JW MARRIOTT

Date: 15th November 2025

To,
The CCF, Regional Office, Western Region,
Ministry of Environment, Forests & Climate
Regional Office (WCZ), Ground Floor, East Wing,
New Secretariat Building, Civil Lines, Nagpur - 440001

Sub: Submission of Environmental Clearance Compliance Status Report for the period of **April 2025 –September 2025.**

Ref: Environment Clearance for Construction of Residential Star Category Hotel Building and an Ancillary building on land bearing CTS No. 1483, 1491, 1495, 1496 A, 1496 B, 1503/4 & 1500 D (New CTS No. 1483/A (part), 1483/C & 1483 D) at village Marol, Mumbai vide no. Environment Clearance no. 21-281/2007-IA.III. dated 23.08.2007 & Extension of validity of EC no. 21-281/2007-IA.III dated 26.06.2013 & Expansion of Environmental Clearance vide No. SEAC-2013/CR-73/TC-1 dated 11th December 2014.

Dear Sir,

With reference to the above, we are submitting herewith the six-monthly Post Monitoring report for the period of **April 2025 –September 2025** along with the desired information and copies of documents are as under:

1. Data sheet
2. EC Compliance report
3. Post Monitoring Report (April 2025 –September 2025)
4. Annexures to EC Compliance

We hope the above is to your satisfaction.

Thanking You,
Yours faithfully,

For,
M/s. Chalet Hotels Limited

CHALET HOTELS LIMITED MUMBAI

Authorized Signatory
MAKARAND WALAWALKAR

Encl: a/a
CC to:
1. **The Member Secretary, Maharashtra Pollution Control Board, 3rd Floor, Kalpataru Point, Sion, Mumbai– 400 022.**
2. **Central Pollution Control Board, Parivesh Bhavan, Opp. VNC word office No. 10, Subhanpura, Vadodara.**

MONITORING THE IMPLEMENTATION OF ENVIRONMENTAL SAFEGUARDS

MINISTRY OF ENVIRONMENT, FORESTS & CLIMATE CHANGE
REGIONAL OFFICE, NAGPUR
Monitoring Report

PART – I
DATA SHEET

1.	Project type: River –Valley/ Mining/ Industry/ Thermal/ Nuclear/ other (specify)	:	Others - Construction project (Hotel Project)
2.	Name of the project	:	Construction of Residential Star Category Hotel Building and an Ancillary building on land bearing CTS No. 1483, 1491, 1495, 1496 A, 1496 B, 1503/4 & 1500 D (New CTS No. 1483/A (part), 1483/C & 1483 D) at village Marol, Mumbai.
3.	Clearance letter (s)/OM no. and date	:	Environmental Clearance granted vide No.21-281/2007-IA.III dated 23.08.2007 & Extension of validity of EC no. 21-281/2007-IA.III dated 26.06.2013 & Expansion of Environmental Clearance vide No. SEAC-2013/CR-73/TC-1 Dated 11th December 2014.
4.	Location	:	Mumbai
	(a) District	:	Suburban District
	(b) State	:	Maharashtra
	(c) Latitude / Longitude	:	19°05'59.00" N 72°52'24.68" E
5.	(a) Address of concerned project Chief Engineer (with pin code & telephone / telefax / fax numbers)	:	Mr. Makarand Walawalkar Director of Engineering JW Marriott Mumbai Sahar IA Project Road, Chhatrapati Shivaji Maharaj International Airport, Andheri East. Mumbai 400099, India Office +91 2268828688.
	(b) Address of Executive Project Engineer/ Manager (with pin code / Fax)		Same as above
6.	Salient Features		
	(a) Of the project	:	Wing A with 8 upper Floors and Wing B with 9 upper Floors over 2 Basements + Ground + 1 Level Podium Guest Room + Ancillary Users (Administration Office / Business Centre etc.) for the Hotel

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April 2025 –September 2025

	(b) Of Environmental Management Plans	:	- Implementation of Rainwater harvesting. - Implementation of Sewage Treatment Plant - Reuse of treated effluent - Development of Recreational Ground.
7.	Breakup of the project area		Total Plot Area 29,047.25 sq.m.
	(a) Submergence area: forest & non forest.	:	NA
	(b) Others	:	NA
8.	Break up of the project affected population with enumeration of those losing houses /dwelling units only, agricultural land only, both dwelling units & agricultural land & landless labourers /artisan.	:	NA
	(a) SC, ST /Adivasis	:	NA
	(b) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures, if a survey is carried out give details and years of survey)	:	NA
9.	Financial details		
	(a) Project cost as originally planned and sub-sequent revised estimates and year of price reference.	:	Total Project Cost 916.80 Cr
	(b) Allocation made for environmental management plans with item wise and year wise break-up.	:	**Environment Protection Measures** / **Capital Cost (Rs)** / **Operating Cost per Annum (Rs.)** STP — 1.05 Cr. — 18.0 Lakh SWM (Composting) — 0.20 Cr. — 7.20 Lakh Rainwater Harvesting — 1.00 Cr. — 6.80 Lakh Landscaping — 10.91 Cr. — 33.60 Lakh Monitoring — 0.10 Cr. — 1.78 Lakh **Total — 13.26 Cr. — 67.38 Lakh**
	(c) Benefit cost ratio/Internal rate of Return and the year of assessment	:	--

	(d) Whether (c) include the cost of environmental management as shown in the above.	:	--
	(e) Actual expenditure incurred on the project so far	:	--
	(f) Actual expenditure incurred on the environmental management plans so far	:	--
10.	Forest land requirement.	:	The land is of non-forest type hence not applicable.
	(a) The status of approval for diversion of forest land for non-forestry use	:	Not applicable.
	(b) The status of clearing felling	:	Not applicable.
	(c) The status of compensatory afforestation, if any	:	Not applicable.
	(d) Comments on the viability & sustainability of compensatory afforestation programme in the light of actual field experience so far	:	Not applicable.
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach roads), if any with quantitative information	:	Nil.
12.	Status of construction.	:	
	a) Date of commencement (Actual and / or planned)	:	January 2009
	b) Date of completion (Actual and/ or planned)	:	The project Construction is completed. OC Received from MCGM in March 2018
13.	Reason for the delay if the project is yet to start.	:	--
14.	Dates of site visits		
	(a) The dates on which the project was monitored by the Regional Office on previous occasions, if any	:	--
	(b) Date of site visit for this monitoring report	:	April 2025 –September 2025
15.	Details of correspondence with project authorities for obtaining action plans / information on status of compliance to safeguards other than the routine letters for logistic support for site visits.	:	No. 21-281/2007-IA-III dated 23.08.2007 No. 21-281/2007-IA-III dated 26.06.2013 No. SEAC-2013/CR-73/TC-1 dated 11.12.2014 Mr. Makarand Walawalkar Director of Engineering JW Marriott Mumbai Sahar IA Project Road, Chhatrapati Shivaji Maharaj International Airport, Andheri East. Mumbai 400099, India

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HALF YEARLY COMPLIANCE STATUS REPORT
October 2024 – March 2025

Ref	• Environment Clearance no. 21-281/2007-IA.III. dated 23.08.2007 **(Annexure - II A).** • Extension of validity of EC no. 21-281/2007-IA.III dated 26.06.2013 (**Annexure - II B).** • Environment Clearance No. SEAC-2013/CR-73/TC-1 dated 11th December 2014. (**Annexure - II C).**
To	M/s Chalet Hotels Ltd.
For	Environment Clearance for construction of Residential Star Category Hotel Building and an Ancillary building on land bearing CTS No. CTS No. 1483, 1491, 1495, 1496 A, 1496 B, 1503/4 & 1500 D (New CTS No. 1483/A (part), 1483/C & 1483 D) at village Marol, Mumbai
Status	The construction is completed in March 2018 and the occupation certificate is also obtained from Municipal Corporation of Greater Mumbai. Copy of the Occupation Certificate is enclosed as **Annexure - III.**

GENERAL CONDITIONS FOR PRE-CONSTRUCTION PHASE		
i.	**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. Judgments/ orders issued by 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 concern SEAC and SEIAA. If any discrepancy is found in the plans submitted or details provided in the above para may be reported to the environment department. This environmental Clearance issued with respect to the environmental consideration, and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.**	Yes. The condition is noted.

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ii.	**This Environmental Clearance is issued subject to obtaining NOC from Forestry & Wildlife angle including clearance from the standing committee of the National Board for Wildlife as if applicable & this environment Clearance does not necessarily imply that Forestry & Wildlife clearance granted to the project which will be considered separately on merit.**	Not Applicable. As the project doesn't have diversion of any Forest land.
iii.	**PP has to abide by the condition stipulated by SEAC & SEIAA.**	Yes, we will follow all the conditions stipulated by SEAC & SEIAA.
iv.	**The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & it should ensure the same along with survey number before approving layout plan & before according to 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.**	Yes, the project is constructed as per the approved layouts by the MCGM. Copy of the Approved layout is enclosed as **Annexure – IV.**
v.	**"Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be Submitted to the Environmental Department before starting any construction work at the site.**	Yes, the Consent to Establish was obtained from MPCB prior to the start of construction work. Copy of the Consent to Establish is enclosed as **Annexure – V(A).** Copy of Amendment in Consent to Establish enclosed as **Annexure – V(B).** Copy of Revised Consent to Establish enclosed as **Annexure - V(C).** Also Renewed Consent to Operate has been received for the project from MPCB. Copy of the Consent to Operate is enclosed as **Annexure - VI.**

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vi.	**All required sanitary and hygienic measure should be in place before starting construction activities and to be maintained throughout construction phase.**	Septic Tank & soak pits were provided in construction phase and proper care regarding sanitary and hygienic condition was maintained throughout the construction phase.
GENERAL CONDITIONS FOR CONSTRUCTION PHASE		
(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.**	Yes, Complied with. All necessary infrastructure and facilities for labours, such as temporary toilets, drinking water, first aid room at were provided during construction phase.
(ii)	**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 waste generated during the construction phase should be ensured.**	Yes, drinking water and sanitary facilities were provided for construction workers at the site during construction phase. Also, provision for mobile toilets was in place during the construction phase. All the debris and scrap were disposed of as per the norms.
(iii)	**The solid waste generated should be disposed off to the approved sites for land filling after recovering recyclable material.**	During construction phase all the debris, scrap, Solid waste generated was disposed of as per the prevailing norms.
(iv)	**Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precaution for general safety and health aspects of people, only in approval sites with the approval of competent authority.**	During construction all the waste was properly collected and segregated. Most of the waste was reused for construction activity.
(v)	**Arrangement shall be made that wastewater and storm water do not get mixed.**	Rainwater Harvesting, Storm Water drains and STP are in place at site to avoid mixing water. Rainwater Harvesting Layout enclosed as **Annexure - VII(A).**

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		Rainwater Harvesting certificate enclosed as **Annexure - VII(B).** Photographs of rainwater harvesting are enclosed as **Annexure - VII(C).**
(vi)	**All the topsoil excavated during construction activities should be stored for use in horticulture landscape development within the project site.**	Yes, the condition is noted.
(vii)	**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.**	Yes, the condition is noted.
(viii)	**Green belt development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agricultural Dept.**	Total green area provided for the project 24745.75 sq. m. Tree NOC enclosed as **Annexure - VIII(A).** Photographs showing green area / landscape area / trees are enclosed as **Annexure - VIII(B).**
(ix)	**Soil & 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.**	Borewells for recharging groundwater are made as part of rainwater harvesting. Soil analysis is being carried out to ensure that no contaminant occurs. Please refer post monitoring report enclosed as **Annexure – I.**
(x)	**Constructions spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.**	There was no generation of Bituminous waste and hazardous materials at site during construction phase.
(xi)	**Any hazardous waste generated during the construction phase should be disposed of as per**	There was no generation of Hazardous waste during construction phase.

	applicable rules and norms with necessary approvals of the Maharashtra pollution control Board.	
(xii)	**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.**	The condition is noted.
(xiii)	**The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.**	The DG set was operated during emergencies.
(xiv)	**Vehicle hired for bringing construction material to the site should be in good condition and should have pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non- peak hours.**	The construction vehicles with valid PUC and less than 8-year-old were hired during construction phase. Also, the vehicles were operated only in non-peak hours.
(xv)	**Ambient noise levels should conform to residential standards both during day & night. Incremental pollution loads on the ambient air & 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/MPCB.**	Yes, ambient noise level monitoring is being carried out regularly from the start of the Construction Phase. Please refer to Post Monitoring Report enclosed as **Annexure – I.**
(xvi)	**Fly ash should be used as building material in the construction as per the provisions of the Fly Ash Notification of September 1999 and amended as on 27th August 2003. (The above condition is applicable only if the project site is located**	Ready-Mix Concrete with Fly Ash was used for construction.

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	within the 100 km of Thermal Power Stations).	
(xvii)	**Ready mixed concrete must be used in building construction.**	Yes, Ready mix concrete was used for construction activity.
(xviii)	**The approval of component authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of firefighting equipment etc. as per National Building Code including measures from lighting.**	M/s. Ramboll Engineering was the Licensed Structural Engineer for the project. Structural Design is EQ resistance Design as per relevant IS code.
(xix)	**Storm water control and its re-use as per CGWB and BIS standards for various applications.**	Yes, Rainwater Harvesting System is in place at the site.
(xx)	**Water demand during construction should be reduced by use of pre – mixed concrete, curing agents and other best practices referred.**	Yes, ready mixed concrete was used for construction.
(xxi)	**The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.**	Borewells for recharge of groundwater is made as part of rainwater harvesting. Also, ground water is tapped off. The permission for the same is obtained from CGWA.
(xxii)	**The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the ministry before the project is commissioned for operation. Treated effluent emanating from STP shall be recycled/ reused to the maximum extent possible. Treatment of 100 % grey water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.**	The sewage treatment plant is certified by an independent expert for efficiency as well as adequacy so that treated sewage can be used for flushing in toilets, gardening and A.C. make-up. The wastewater is being treated to tertiary level & after treatment it is being reused for flushing in toilet & gardening. There will be no discharge of treated or untreated water on land. Photographs of STP enclosed as **Annexure – IX.**

(xxiii)	**Permission to draw ground water shall be obtained from the Competent Authority prior to construction / operation of the project.**	Tanker water was used during construction phase.
(xxiv)	**Separation of grey and black water should be done by the use of dual plumbing line for separation of grey and black water.**	Yes, separate plumbing lines are provided for grey and black water.
(xxv)	**Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor-based control.**	Yes, water efficient fixtures with low flow rates are provided to reduce wastage of water.
(xxvi)	**Use of glass may be reduced up to 40 % to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.**	Energy conservation report enclosed as **Annexure – X.**
(xxvii)	**Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.**	Yes, complied with. Please refer to the reply given in (xxvi).
(xxviii)	**Energy conservation measures like installation of CFLs / TFLs for the lighting the areas outside the areas outside the building should be an integral part of the project design and should be in place before project commissioning. Use CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar streetlights, common solar water heater system. Project proponents**	Yes, complied with. Please refer reply given in (xxvi).

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	should install, after checking feasibility, solar plus hybrid non-conventional energy source as source of energy.	
(xxix)	**Diesel power generating sets proposed as source of backup power for elevators and common area illumination during operational phase should be of enclosed type and conform to rules made under the environment (Protection) Act, 1986. The height of the stack of D.G. sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low Sulphur diesel. The location of the DG Sets may be decided with in consultation with Maharashtra Pollution Control Board.**	Commercial – DG sets are provided as back up for commercial buildings. DG sets are provided with silencer and acoustic enclosures. The stacks are provided as per MPCB norms. Photographs of DG set enclosed as **Annexure - XI.**
(xxx)	**Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevalent regulations.**	Construction equipment producing noise was provided with acoustic enclosures. The noise generating construction activities were undertaken during daytime only.
(xxxi)	**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.**	By use of better control of traffic movement, traffic signages and sufficient road facilities within project premises the traffic was controlled during construction phase. Traffic Management Plan enclosed as **Annexure - XII A.** Traffic Circulation Plan for Chalet Hotel near airport enclosed as **Annexure - XII B.**
(xxxii)	**Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory**	Use of appropriate thermal insulation material is used during construction of building.

	for all air- conditioner spaces while it is aspirational for non- air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.	
(xxxiii)	**The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air, and ventilation**	Yes, complied. Buildings layout planning is done in such a way that adequate distance between them is provided to allow movement of fresh air and passage of light to the occupants.
(xxxiv)	**Regular supervision of the above and other measures for monitoring should be in place all through the construction phase, so as to avoid disturbance to the surroundings.**	There is regular supervision by site engineers throughout the construction phase so as to avoid disturbance to the surrounding.
(xxxv)	**Under the provision of the Environmental (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining environmental clearance.**	We have already received Environment Clearance no. 21-281/2007-IA.III. dated 23.08.2007. Extension of validity of EC no. 21-281/2007-IA.III dated 26.06.2013. Environment Clearance No. SEAC-2013/CR-73/TC-1 dated 11th December 2014.
(xxxvi)	**Six monthly monitoring reports should be submitted to the Department and MPCB.**	Yes, six monthly monitoring reports will be submitted to MoEF&CC, Nagpur & MPCB, Sion regularly.

GENERAL CONDITIONS FOR POST CONSTRUCTION / OPERATION PHASE		
(i)	**Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.**	STP has been provided for Recycling of wastewater. Proper disposal of waste through a well-managed Solid Waste management team is being done.

(ii)	**Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And no wet garbage will be disposed outside the premises. Local authority should ensure this.**	Yes, the wet garbage is being treated in OWC and the manure is used in gardening. Photographs of OWC enclosed as **Annexure - XIII.**
(iii)	**Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB for each phase.**	Yes, the Occupation Certificate has been obtained from MCGM. Please refer to **Annexure – III.**
(iv)	**A complete set of all the documents submitted to Department should be forwarded to the MPCB.**	Yes, a complete set of all the documents submitted to Department is forwarded to the MPCB.
(v)	**In the case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department ro assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.**	Yes, the condition is noted.
(vi)	**A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.**	The qualified staff has been set up for implementation of the stipulated environmental safeguards.

<table>
<tr><td>(vii)</td><td>Separate funds shall be allocated for implementation of environmental protection measures EMP along with item – wise breakup. This cost 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 MPCB & this department.</td><td><table>
<tr><th>Environment Protection Measures</th><th>Capital Cost (Rs)</th><th>Operating Cost per Annum (Rs.)</th></tr>
<tr><td>STP</td><td>1.05 Cr.</td><td>18.0 Lakh</td></tr>
<tr><td>SWM (Composting)</td><td>0.20 Cr.</td><td>7.20 Lakh</td></tr>
<tr><td>Rainwater Harvesting</td><td>1.00 Cr.</td><td>6.80 Lakh</td></tr>
<tr><td>Landscaping</td><td>10.91 Cr.</td><td>33.60 Lakh</td></tr>
<tr><td>Monitoring</td><td>0.10 Cr.</td><td>1.78 Lakh</td></tr>
<tr><td>Total</td><td>13.26 Cr.</td><td>67.38Lakh</td></tr>
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<tr><td></td><td></td><td></td></tr>
<tr><td>(viii)</td><td>The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in</td><td>Yes, we have published advertisement in two local newspapers and copy of same is enclosed herewith as Annexure – XIV.</td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td>(ix)</td><td>Project management should submit half yearly compliance reports in respect of the stipulated prior environmental clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.</td><td>Yes, the condition is noted. Six monthly compliance reports as per the condition stipulated in Environmental Clearance are being submitted to MPCB & department regularly.</td></tr>
<tr><td></td><td></td><td></td></tr>
<tr><td>(x)</td><td>A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO. If any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall</td><td>Yes. Environment Clearance letter is enclosed as Annexure - II.

EC is uploaded on the website. Link for the same is given below:
JWM-Sahar-Environment-clearence.pdf (chalethotels.com)</td></tr>
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	also be put on the website of the company by the proponent.	
(xi)	**The proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions, including results of monitored 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 CPCB and the SPCB. The criteria pollutant levels namely, SPM, RSPM, SO2, NOx (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.**	Yes, monitoring at the site is carried out regularly & post monitoring reports are enclosed. Reports are regularly sent to MoEF&CC, CPCB & MPCB along with six monthly EC compliance submissions. Latest EC compliance report is uploaded on the website. Link for the same is given below: Ref (chalethotels.com)
(xii)	**The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.**	Yes, six monthly Compliance reports with monitoring data are enclosed as **Annexure - I**.
(xiii)	**The environmental statement for each financial year ending 31st March in form – V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC condition and shall also be sent to the respective Regional Office of MoEF by e-mail.**	Latest Environmental Statement is uploaded on the website. Link for the same is given below: Environment-Statement-Form-V-FY23-24.pdf (chalethotels.com)

4.	**The environmental clearance is being issues without prejudice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence, this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.**	The condition is noted.
5.	**In case if submission of false document and non-compliance of stipulated conditions, Authority / Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environment Protection Act, 1986.**	Yes, we will abide to all the conditions stipulated in the EC and in any case no submission of false documents will be carried out.
6.	**The Environment Department Reserves the right to add any stringent condition or to revoke the clearance if the conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.**	The condition is noted.
7.	**Validity of Environment Clearance: The environmental Clearance accorded shall be valid for a period of 5 years.**	The condition is noted.
8.	**In the case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department of assess the adequacy of the condition(s) imposed and to**	The condition is noted. If there is any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh Environmental Clearance will be obtained.

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	incorporate additional environmental protection measures required, if any.	
9.	**The above stipulations would be enforced among others under the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the Public Liability Insurance Act, 1991 and its amendments**	The condition is noted.
10.	**Any appeal against this environmental; clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-Wing, Opposite Council Hall, Pune, if preferred within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.**	The condition is noted.
11.	**This Environment Clearance is issues for proposed construction of Residentials Star Category Hotel Building and an Ancillary building on land bearing CTS No. 1483, 1491, 1495, 1496 A, 1496B, 1503/4 & 1500D (New CTS No. 1483/A (part), 1483/C & 1483/D) at village Marol, Mumbai by M/s Chalet Hotels Pvt. Ltd.**	The condition is noted.

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LIST OF ANNEXURES

Annexure - I	Post Monitoring Report
Annexure – II(A)	Environment Clearance no. 21-281/2007-IA.III. dated 23.08.2007
Annexure - II(B)	Extension of validity of EC no. 21-281/2007-IA.III dated 26.06.2013
Annexure – II(C)	Environment Clearance No. SEAC-2013/CR-73/TC-1 dated 11.12.2014
Annexure - III	Copy of the Occupation Certificate
Annexure - IV	Copy of the Approved layout
Annexure – V(A)	Copy of the Consent to Establish
Annexure – V(B)	Copy of Amendment in Consent to Establish
Annexure – V(C)	Copy of Revised Consent to Establish
Annexure – VI	Copy of Renewed Consent to Operate
Annexure – VII(A)	Rainwater Harvesting Layout
Annexure – VII(B)	Rainwater Harvesting certificate
Annexure – VII(C)	Photographs of rainwater harvesting
Annexure – VIII(A)	Tree NOC
Annexure – VIII(B)	Photographs showing green area / landscape area / trees
Annexure - IX	Photographs of STP
Annexure - X	Energy conservation report
Annexure - XI	Photographs of DG set
Annexure – XII(A)	Traffic Management Plan
Annexure - XII(B)	Traffic Circulation Plan for Chalet Hotel near airport
Annexure - XIII	Photographs of OWC
Annexure - XIV	Copy of newspaper advertisement

CHALET HOTELS LIMITED MUMBAI

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CIN: U99999MH1988PTC045938

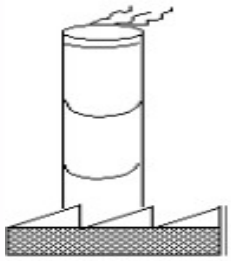
TC-8284

NABL Scope

TEST REPORT

Test Report No.	01/ETHEN2507600	Issue Date	18 Jun 2025	ULR No.	TC0828425000034023F

Customer Name	CHALET HOTELS LTD. (UNIT OF JW MARRIOTT HOTEL MUMBAI SAHAR)		
Customer Address	IA Project Road, Chatrapati Shivaji International Airport,Mumbai PO Box : 400099		
Order/Reference	AMC Dated from 01.01.2025 to 31.12.2025		
Specification	As Per MPCB Consent Copy of Customer		
Information as provided by customer:			
Sample Name	Boiler Stack Monitoring		
Sample Nature	Stack Air		
Sampling Details :			
Sample Drawn	By Envirocare		
Sampling Procedure	Each analytical method covers the sampling procedure as well	Sampling Date	14-06-2025
Sample Details :			
Sample Received On	14 Jun 2025	Start of Analysis	14 Jun 2025
End of Analysis	17 Jun 2025	Sample Condition on receipt	Satisfactory
Stack Details			



Attached To	Boiler MR- 16368
Shape	Round
Dimensions	0.50 Meter
Height	9.00 Meter
Temperature	157°C
Material of Construction	--
Velocity of Flue Gases	4.81m/s
Volume of Flue Gases	2356.40Nm3/hr
Type of Fuel	PNG
Consumption of Fuel	1500 SCM/Day
Port	After APCD

Sr. No.	Parameters	Limit	Results	LOQ	Unit	Method
Chemical Parameters						
1	Nitrogen Dioxide (NO_2)	N.S.	54.76	0.01	mg/Nm3	EL/SOP/333
2	Sulphur Dioxide (SO_2)	N.S.	0.41	0.01	kg/day	EL/SOP/333
3	Total Particulate Matter	N.S.	21.48	1	mg/Nm3	IS 11255 (Part 1 and Part 3) : 2019

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TC-8284

NABL Scope

TEST REPORT

Test Report No.	01/ETHEN2507600	Issue Date	18 Jun 2025	ULR No.	TC0828425000034023F

Authorised signatory
Nikita Bhalerao
Analyst

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----------End of Test Report----------

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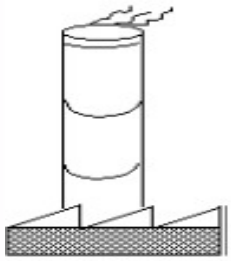
TC-8284

NABL Scope

TEST REPORT

Test Report No.	01/ETHEN2507601	Issue Date	18 Jun 2025	ULR No.	TC0828425000034024F

Customer Name	CHALET HOTELS LTD. (UNIT OF JW MARRIOTT HOTEL MUMBAI SAHAR)		
Customer Address	IA Project Road, Chatrapati Shivaji International Airport,Mumbai PO Box : 400099		
Order/Reference	AMC Dated from 01.01.2025 to 31.12.2025		
Specification	As Per MPCB Consent Copy of Customer		
Information as provided by customer:			
Sample Name	DG Stack Monitoring		
Sample Nature	Stack Air		
Sampling Details :			
Sample Drawn	By Envirocare		
Sampling Procedure	Each analytical method covers the sampling procedure as well	Sampling Date	14-06-2025
Sample Details :			
Sample Received On	14 Jun 2025	Start of Analysis	14 Jun 2025
End of Analysis	04 Jul 2025	Sample Condition on receipt	Satisfactory
Stack Details			



Attached To	DG No-1 2000KVA
Shape	Round
Dimensions	0.50 Meter
Height	15 Meter
Temperature	175°C
Material of Construction	--
Velocity of Flue Gases	12.68m/s
Volume of Flue Gases	5960.71Nm3/hr
Type of Fuel	HSD
Consumption of Fuel	300 Lit /Hr
Port	After APCD

Sr. No.	Parameters	Limit	Results	LOQ	Unit	Method
Chemical Parameters						
1	Oxides of Nitrogen	N.S.	190.22	0.01	mg/Nm3	EL/SOP/333
2	Sulphur Dioxide (SO_2)	N.S.	4.98	0.01	kg/day	EL/SOP/333
3	Total Particulate Matter	N.S.	60.07	1	mg/Nm3	IS 11255 (Part 1 and Part 3) : 2019

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TC-8284

NABL Scope

TEST REPORT

Test Report No.	01/ETHEN2507601	Issue Date	18 Jun 2025	ULR No.	TC0828425000034024F
Remarks	BLQ =Below Limit of Quantification				

Authorised signatory
Nikita Bhalerao
Analyst

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----------End of Test Report----------

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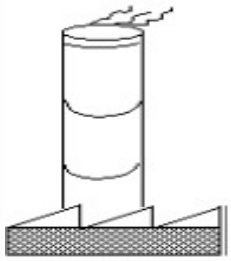
TEST REPORT

Test Report No.	02/ETHEN2507601	Issue Date	18 Jun 2025

Customer Name	CHALET HOTELS LTD. (UNIT OF JW MARRIOTT HOTEL MUMBAI SAHAR)		
Customer Address	IA Project Road, Chatrapati Shivaji International Airport,Mumbai PO Box : 400099		
Order/Reference	AMC Dated from 01.01.2025 to 31.12.2025		
Specification	As Per MPCB Consent Copy of Customer		
Information as provided by customer:			
Sample Name	DG Stack Monitoring		
Sample Nature	Stack Air		
Sampling Details :			
Sample Drawn	By Envirocare		
Sampling Procedure	Each analytical method covers the sampling procedure as well	Sampling Date	14-06-2025
Sample Details :			
Sample Received On	14 Jun 2025	Start of Analysis	14 Jun 2025
End of Analysis	04 Jul 2025	Sample Condition on receipt	Satisfactory
Stack Details			



Attached To	DG No-1 2000KVA
Shape	Round
Dimensions	0.50 Meter
Height	15 Meter
Temperature	175°C
Material of Construction	--
Velocity of Flue Gases	12.68m/s
Volume of Flue Gases	5960.71Nm3/hr
Type of Fuel	HSD
Consumption of Fuel	300 Lit /Hr
Port	After APCD

Sr. No.	Parameters	Limit	Results	LOQ	Unit	Method
Chemical Parameters						
1	Carbon Monoxide (CO)	N.S.	74.65	0.01	mg/Nm³	EL/SOP/333
2	Non methane hydrocarbon (NMHC)	N.S.	BLQ	0.01	%	GC-FID

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TEST REPORT

Test Report No.	02/ETHEN2507601	Issue Date	18 Jun 2025
Remarks	BLQ =Below Limit of Quantification		

Authorised signatory
Poonam More
Assistant Manager

Authorised signatory
Nikita Bhalerao
Analyst

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----------End of Test Report----------

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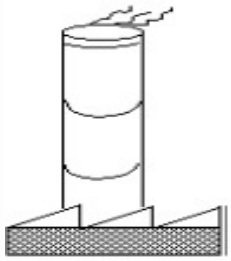
TC-8284

NABL Scope

TEST REPORT

Test Report No.	01/ETHEN2507601	Issue Date	18 Jun 2025	ULR No.	TC0828425000034024F

Customer Name	CHALET HOTELS LTD. (UNIT OF JW MARRIOTT HOTEL MUMBAI SAHAR)		
Customer Address	IA Project Road, Chatrapati Shivaji International Airport,Mumbai PO Box : 400099		
Order/Reference	AMC Dated from 01.01.2025 to 31.12.2025		
Specification	As Per MPCB Consent Copy of Customer		
Information as provided by customer:			
Sample Name	DG Stack Monitoring		
Sample Nature	Stack Air		
Sampling Details :			
Sample Drawn	By Envirocare		
Sampling Procedure	Each analytical method covers the sampling procedure as well	Sampling Date	14-06-2025
Sample Details :			
Sample Received On	14 Jun 2025	Start of Analysis	14 Jun 2025
End of Analysis	04 Jul 2025	Sample Condition on receipt	Satisfactory
Stack Details			



Attached To	DG No-1 2000KVA
Shape	Round
Dimensions	0.50 Meter
Height	15 Meter
Temperature	175°C
Material of Construction	--
Velocity of Flue Gases	12.68m/s
Volume of Flue Gases	5960.71Nm3/hr
Type of Fuel	HSD
Consumption of Fuel	300 Lit /Hr
Port	After APCD

Sr. No.	Parameters	Limit	Results	LOQ	Unit	Method
Chemical Parameters						
1	Oxides of Nitrogen	N.S.	190.22	0.01	mg/Nm3	EL/SOP/333
2	Sulphur Dioxide (SO_2)	N.S.	4.98	0.01	kg/day	EL/SOP/333
3	Total Particulate Matter	N.S.	60.07	1	mg/Nm3	IS 11255 (Part 1 and Part 3) : 2019

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TC-8284

NABL Scope

TEST REPORT

Test Report No.	01/ETHEN2507601	Issue Date	18 Jun 2025	ULR No.	TC0828425000034024F
Remarks	BLQ =Below Limit of Quantification				

Authorised signatory
Nikita Bhalerao
Analyst

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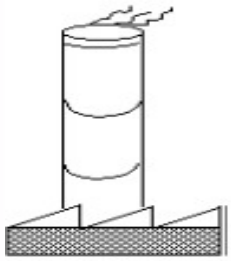
TEST REPORT

Test Report No.	02/ETHEN2507601	Issue Date	18 Jun 2025

Customer Name	CHALET HOTELS LTD. (UNIT OF JW MARRIOTT HOTEL MUMBAI SAHAR)		
Customer Address	IA Project Road, Chatrapati Shivaji International Airport,Mumbai PO Box : 400099		
Order/Reference	AMC Dated from 01.01.2025 to 31.12.2025		
Specification	As Per MPCB Consent Copy of Customer		
Information as provided by customer:			
Sample Name	DG Stack Monitoring		
Sample Nature	Stack Air		
Sampling Details :			
Sample Drawn	By Envirocare		
Sampling Procedure	Each analytical method covers the sampling procedure as well	Sampling Date	14-06-2025
Sample Details :			
Sample Received On	14 Jun 2025	Start of Analysis	14 Jun 2025
End of Analysis	04 Jul 2025	Sample Condition on receipt	Satisfactory
Stack Details			



Attached To	DG No-1 2000KVA
Shape	Round
Dimensions	0.50 Meter
Height	15 Meter
Temperature	175°C
Material of Construction	--
Velocity of Flue Gases	12.68m/s
Volume of Flue Gases	5960.71Nm3/hr
Type of Fuel	HSD
Consumption of Fuel	300 Lit /Hr
Port	After APCD

Sr. No.	Parameters	Limit	Results	LOQ	Unit	Method
Chemical Parameters						
1	Carbon Monoxide (CO)	N.S.	74.65	0.01	mg/Nm³	EL/SOP/333
2	Non methane hydrocarbon (NMHC)	N.S.	BLQ	0.01	%	GC-FID

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TEST REPORT

Test Report No.	02/ETHEN2507601	Issue Date	18 Jun 2025
Remarks	BLQ =Below Limit of Quantification		

Authorised signatory
Poonam More
Assistant Manager

Authorised signatory
Nikita Bhalerao
Analyst

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----------End of Test Report----------

This report issue and to be read in conjunction with report no. 01/ETHEN2507601

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CIN: U99999MH1988PTC045938

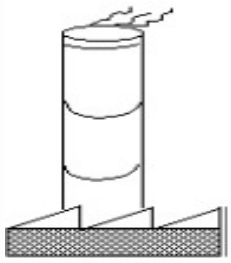
TC-8284

NABL Scope

TEST REPORT

Test Report No.	01/ETHEN2516831	**Issue Date**	07 Oct 2025	**ULR No.**	TC0828425000055668F

Customer Name	**CHALET HOTELS LTD. (UNIT OF JW MARRIOTT HOTEL MUMBAI SAHAR)**		
Customer Address	IA Project Road, Chatrapati Shivaji International Airport,Mumbai PO Box : 400099		
Order/Reference	AMC Dated from 01.01.2025 to 31.12.2025		
Specification	As Per MPCB Consent Copy of Customer		
Information as provided by customer:			
Sample Name	Boiler Stack		
Sample Nature	Stack Air		
Sampling Details :			
Sample Drawn	By Envirocare		
Sampling Procedure	Each analytical method covers the sampling procedure as well	Sampling Date	27-09-2025
Sample Details :			
Sample Received On	27 Sep 2025	Start of Analysis	07 Oct 2025
End of Analysis	07 Oct 2025	Sample Condition on receipt	Satisfactory
Stack Details2			



Attached To	S 8-Boiler No-1
Shape	Round
Dimensions	0.50 Meter
Height	9.00 Meter
Temperature	152 °C
Velocity of Flue Gases	5.52 M/S
Volume of Flue Gases	2736.89 Nm3 /hr
Type of Fuel	PNG
Consumption of Fuel	1500 SCM/day
Port	After APCD

Sr. No.	Parameters	Limit	Results	LOQ	Unit	Method
Chemical Parameters						
1	Nitrogen Dioxide (NO_2)	N.S.	25.06	0.01	mg/Nm^3	EL/SOP/333
2	Sulphur Dioxide (SO_2)	N.S.	0.60	0.01	kg/day	EL/SOP/333
3	Total Particulate Matter	N.S.	12.27	1	mg/Nm^3	IS 11255 (Part 1 and Part 3) : 2019

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TC-8284

NABL Scope

TEST REPORT

Test Report No.	01/ETHEN2516831	Issue Date	07 Oct 2025	ULR No.	TC0828425000055668F

NBhalerao

Authorised signatory
Nikita Bhalerao
Analyst

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CIN: U99999MH1988PTC045938

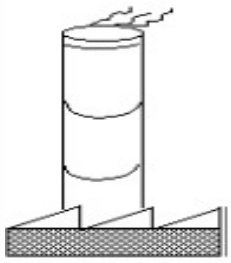
TC-8284

NABL Scope

TEST REPORT

Test Report No.	01/ETHEN2516832	**Issue Date**	30 Sep 2025	**ULR No.**	TC0828425000055682F

Customer Name	**CHALET HOTELS LTD. (UNIT OF JW MARRIOTT HOTEL MUMBAI SAHAR)**		
Customer Address	IA Project Road, Chatrapati Shivaji International Airport,Mumbai PO Box : 400099		
Order/Reference	AMC Dated from 01.01.2025 to 31.12.2025		
Specification	As Per MPCB Consent Copy of Customer		
Information as provided by customer:			
Sample Name	DG Stack		
Sample Nature	Stack Air		
Sampling Details :			
Sample Drawn	By Envirocare		
Sampling Procedure	Each analytical method covers the sampling procedure as well	Sampling Date	27-09-2025
Sample Details :			
Sample Received On	27 Sep 2025	Start of Analysis	27 Sep 2025
End of Analysis	30 Sep 2025	Sample Condition on receipt	Satisfactory
Stack Details2			



Attached To	S1-DG 2000 KVA
Shape	Round
Dimensions	0.50 Meter
Height	15 Meter
Temperature	179 °C
Velocity of Flue Gases	12.74 M/S
Volume of Flue Gases	5934.28 Nm3 /hr
Type of Fuel	HSD
Consumption of Fuel	300 lit/ hr
Port	After APCD

Sr. No.	Parameters	Limit	Results	LOQ	Unit	Method
Chemical Parameters						
1	Carbon Monoxide (CO)	N.S.	83.05	0.01	mg/Nm³	EL/SOP/333
2	Oxides of Nitrogen	N.S.	73.18	0.01	mg/Nm³	EL/SOP/333
3	Sulphur Dioxide (SO_2)	N.S.	6.14	0.01	Kg/day	EL/SOP/333
4	Total Particulate Matter	N.S.	46.28	1	mg/Nm³	IS 11255 (Part 1 and Part 3) : 2019

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CIN: U99999MH1988PTC045938

TC-8284

NABL Scope

TEST REPORT

Test Report No.	01/ETHEN2516832	Issue Date	30 Sep 2025	ULR No.	TC0828425000055682F
Remarks	BLQ =Below Limit of Quantification				

NBhalerao

Authorised signatory
Nikita Bhalerao
Analyst

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----------End of Test Report----------

This report issue and to be read in conjunction with report no. 02/ETHEN2516832

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CIN: U99999MH1988PTC045938

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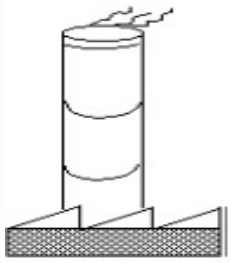
TEST REPORT

Test Report No.	02/ETHEN2516832	**Issue Date**	30 Sep 2025

Customer Name	**CHALET HOTELS LTD. (UNIT OF JW MARRIOTT HOTEL MUMBAI SAHAR)**		
Customer Address	IA Project Road, Chatrapati Shivaji International Airport,Mumbai PO Box : 400099		
Order/Reference	AMC Dated from 01.01.2025 to 31.12.2025		
Specification	As Per MPCB Consent Copy of Customer		
Information as provided by customer:			
Sample Name	DG Stack		
Sample Nature	Stack Air		
Sampling Details :			
Sample Drawn	By Envirocare		
Sampling Procedure	Each analytical method covers the sampling procedure as well	Sampling Date	27-09-2025
Sample Details :			
Sample Received On	27 Sep 2025	Start of Analysis	27 Sep 2025
End of Analysis	30 Sep 2025	Sample Condition on receipt	Satisfactory
Stack Details2			



Attached To	S1-DG 2000 KVA
Shape	Round
Dimensions	0.50 Meter
Height	15 Meter
Temperature	179 °C
Velocity of Flue Gases	12.74 M/S
Volume of Flue Gases	5934.28 Nm3 /hr
Type of Fuel	HSD
Consumption of Fuel	300 lit/ hr
Port	After APCD

Sr. No.	Parameters	Limit	Results	LOQ	Unit	Method
Chemical Parameters						
1	Non methane hydrocarbon (NMHC)	N.S.	BLQ	0.01	%	GC-FID

Remarks	BLQ =Below Limit of Quantification

Authorised signatory
Poonam More
Assistant Manager

Scan to authenticate this report

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CIN: U99999MH1988PTC045938

43+ Years... Test with trUSt

TEST REPORT

Test Report No.	02/ETHEN2516832	Issue Date	30 Sep 2025

----------End of Test Report----------

This report issue and to be read in conjunction with report no. 01/ETHEN2516832

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CIN: U99999MH1988PTC045938

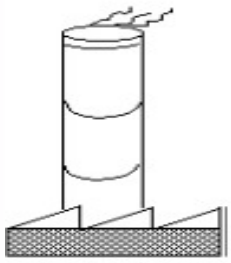
TC-8284

NABL Scope

TEST REPORT

Test Report No.	01/ETHEN2516833	**Issue Date**	30 Sep 2025	**ULR No.**	TC0828425000055683F

Customer Name	**CHALET HOTELS LTD. (UNIT OF JW MARRIOTT HOTEL MUMBAI SAHAR)**		
Customer Address	IA Project Road, Chatrapati Shivaji International Airport,Mumbai PO Box : 400099		
Order/Reference	AMC Dated from 01.01.2025 to 31.12.2025		
Specification	As Per MPCB Consent Copy of Customer		
Information as provided by customer:			
Sample Name	DG Stack		
Sample Nature	Stack Air		
Sampling Details :			
Sample Drawn	By Envirocare		
Sampling Procedure	Each analytical method covers the sampling procedure as well	Sampling Date	27-09-2025
Sample Details :			
Sample Received On	27 Sep 2025	Start of Analysis	27 Sep 2025
End of Analysis	30 Sep 2025	Sample Condition on receipt	Satisfactory
Stack Details2			



Attached To	S2-DG 2000 KVA
Shape	Round
Dimensions	0.50 Meter
Height	15 Meter
Temperature	186 °C
Velocity of Flue Gases	12.83 M/S
Volume of Flue Gases	5888.86 Nm3 /hr
Type of Fuel	HSD
Consumption of Fuel	300 lit/ hr
Port	After APCD

Sr. No.	Parameters	Limit	Results	LOQ	Unit	Method
Chemical Parameters						
1	Carbon Monoxide (CO)	N.S.	66.17	0.01	mg/Nm³	EL/SOP/333
2	Oxides of Nitrogen	N.S.	87.95	0.01	mg/Nm³	EL/SOP/333
3	Sulphur Dioxide (SO_2)	N.S.	4.80	0.01	Kg/day	EL/SOP/333
4	Total Particulate Matter	N.S.	41.68	1	mg/Nm³	IS 11255 (Part 1 and Part 3) : 2019

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Analysis and Beyond...

Enviro House,
A7-A8, MIDC, Wagle Industrial Estate,
Main Road, Thane - 400604, India
9167720911 - 14
info@envirocare.co.in
CIN: U99999MH1988PTC045938

TC-8284

NABL Scope

TEST REPORT

Test Report No.	01/ETHEN2516833	Issue Date	30 Sep 2025	ULR No.	TC0828425000055683F
Remarks	BLQ =Below Limit of Quantification				

Authorised signatory
Nikita Bhalerao
Analyst

Scan to authenticate this report

----------End of Test Report----------

This report issue and to be read in conjunction with report no. 02/ETHEN2516833

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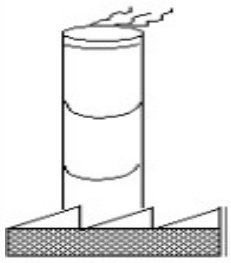
CIN: U99999MH1988PTC045938

43+ Years... Test with trUSt

TEST REPORT

Test Report No.	02/ETHEN2516833	**Issue Date**	30 Sep 2025
Customer Name	**CHALET HOTELS LTD. (UNIT OF JW MARRIOTT HOTEL MUMBAI SAHAR)**		
Customer Address	IA Project Road, Chatrapati Shivaji International Airport,Mumbai PO Box : 400099		
Order/Reference	AMC Dated from 01.01.2025 to 31.12.2025		
Specification	As Per MPCB Consent Copy of Customer		
Information as provided by customer:			
Sample Name	DG Stack		
Sample Nature	Stack Air		
Sampling Details :			
Sample Drawn	By Envirocare		
Sampling Procedure	Each analytical method covers the sampling procedure as well	Sampling Date	27-09-2025
Sample Details :			
Sample Received On	27 Sep 2025	Start of Analysis	27 Sep 2025
End of Analysis	30 Sep 2025	Sample Condition on receipt	Satisfactory
Stack Details2			



Attached To	S2-DG 2000 KVA
Shape	Round
Dimensions	0.50 Meter
Height	15 Meter
Temperature	186 °C
Velocity of Flue Gases	12.83 M/S
Volume of Flue Gases	5888.86 Nm3 /hr
Type of Fuel	HSD
Consumption of Fuel	300 lit/ hr
Port	After APCD

Sr. No.	Parameters	Limit	Results	LOQ	Unit	Method
Chemical Parameters						
1	Non methane hydrocarbon (NMHC)	N.S.	BLQ	0.01	%	GC-FID
Remarks	BLQ =Below Limit of Quantification					

Authorised signatory
Poonam More
Assistant Manager

Scan to authenticate this report

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TEST REPORT

Test Report No.	02/ETHEN2516833	Issue Date	30 Sep 2025

----------End of Test Report----------

This report issue and to be read in conjunction with report no. 01/ETHEN2516833

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Analysis and Beyond...

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Main Road, Thane - 400604, India
9167720911 - 14
info@envirocare.co.in
CIN: U99999MH1988PTC045938

TC-8284

NABL Scope

TEST REPORT

Test Report No	01/ETHEN2518294	**Issue Date**	20 Oct 2025	**ULR No.**	TC0828425000058568F

Customer Name	**CHALET HOTELS LTD. (UNIT OF JW MARRIOTT HOTEL MUMBAI SAHAR)**		
Customer Address	IA Project Road, Chatrapati Shivaji International Airport,Mumbai PO Box : 400099		
Order/Reference	AMC Dated from 01.01.2025 to 31.12.2025		
Specification	As Per The Noise Pollution (Regulation & Control) Rules 2000		
Information as provided by customer:			
Sample Name	Ambient Noise		
Sampling Details :			
Sample Drawn	By Envirocare		
Sampling Procedure	As per CPCB Guideline & Customer's requirement	Sampling Location	Lobby
Lateral Distance	2 Meter	Time	11:00 Am to 11:00Am
Sampling Duration	24hr	Sampling Date	16-10-2025 to 17-10-2025

Other Details : Add Condition

Parameters	Limits	Results	Unit	Method
Day time (6.00 am -10.00 pm) leq	<75	65.42	dB(A)	IS 9989-1981
Night time (10.00 pm - 6.00 am) leq	<70	50.31	dB(A)	IS 9989-1981

Authorised signatory
Nikita Bhalerao
Analyst

Scan to authenticate this report

----------End of Test Report----------

envirocare labs® pvt. ltd.
Analysis and Beyond...

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Main Road, Thane - 400604, India
9167720911 - 14
info@envirocare.co.in
CIN: U99999MH1988PTC045938

TC-8284

NABL Scope

TEST REPORT

Test Report No	01/ETHEN2518295	**Issue Date**	20 Oct 2025	**ULR No.**	TC0828425000058569F

Customer Name	**CHALET HOTELS LTD. (UNIT OF JW MARRIOTT HOTEL MUMBAI SAHAR)**
Customer Address	IA Project Road, Chatrapati Shivaji International Airport,Mumbai PO Box : 400099
Order/Reference	AMC Dated from 01.01.2025 to 31.12.2025
Specification	As Per The Noise Pollution (Regulation & Control) Rules 2000
Information as provided by customer:	
Sample Name	Ambient Noise
Sampling Details :	
Sample Drawn	By Envirocare

Sampling Procedure	As per CPCB Guideline & Customer's requirement	Sampling Location	Restaurant
Lateral Distance	2 Meter	Time	11:00 Am to 11:00Am
Sampling Duration	24hr	Sampling Date	16-10-2025 to 17-10-2025

Other Details : Add Condition

Parameters	Limits	Results	Unit	Method
Day time (6.00 am -10.00 pm) leq	<75	64.36	dB(A)	IS 9989-1981
Night time (10.00 pm - 6.00 am) leq	<70	53.07	dB(A)	IS 9989-1981

Authorised signatory
Nikita Bhalerao
Analyst

Scan to authenticate this report

----------End of Test Report----------

envirocare labs® pvt. ltd.
Analysis and Beyond...

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Main Road, Thane - 400604, India
9167720911 - 14
info@envirocare.co.in
CIN: U99999MH1988PTC045938

TC-8284

NABL Scope

TEST REPORT

Test Report No	01/ETHEN2518296	**Issue Date**	20 Oct 2025	**ULR No.**	TC0828425000058570F

Customer Name	**CHALET HOTELS LTD. (UNIT OF JW MARRIOTT HOTEL MUMBAI SAHAR)**		
Customer Address	IA Project Road, Chatrapati Shivaji International Airport,Mumbai PO Box : 400099		
Order/Reference	AMC Dated from 01.01.2025 to 31.12.2025		
Specification	As Per The Noise Pollution (Regulation & Control) Rules 2000		
Information as provided by customer:			
Sample Name	Ambient Noise		
Sampling Details :			
Sample Drawn	By Envirocare		
Sampling Procedure	As per CPCB Guideline & Customer's requirement	Sampling Location	15th Floor Corridor
Lateral Distance	2 Meter	Time	11:00 Am to 11:00Am
Sampling Duration	24hr	Sampling Date	16-10-2025 to 17-10-2025

Other Details : Add Condition

Parameters	Limits	Results	Unit	Method
Day time (6.00 am -10.00 pm) leq	<75	43.88	dB(A)	IS 9989-1981
Night time (10.00 pm - 6.00 am) leq	<70	39.27	dB(A)	IS 9989-1981

Authorised signatory
Nikita Bhalerao
Analyst

Scan to authenticate this report

----------End of Test Report----------

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Analysis and Beyond...

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info@envirocare.co.in
CIN: U99999MH1988PTC045938

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TEST REPORT

Test Report No	02/ETHEN2518297	**Issue Date**	20 Oct 2025

Customer Name	**CHALET HOTELS LTD. (UNIT OF JW MARRIOTT HOTEL MUMBAI SAHAR)**		
Customer Address	IA Project Road, Chatrapati Shivaji International Airport,Mumbai PO Box : 400099		
Order/Reference	AMC Dated from 01.01.2025 to 31.12.2025		
Specification	As Per Factory Act 1948		
Information as provided by customer:			
Sample Name	Spot Noise		
Sampling Details :			
Sample Drawn	By Envirocare		
Sampling Method	As per CPCB Guideline & Customer's requirement	Sampling Date	29-09-2025
Other Details : Add Condition			

Sr No	Sampling Points	Average Noise Level	Limit	Unit
1	DG no-1 (2000 KVA)	78.8	85	dB(A)

NBhalerao

Authorised signatory
Nikita Bhalerao
Analyst

Scan to authenticate this report

----------End of Test Report----------

envirocare labs® pvt. ltd.
Analysis and Beyond...

Enviro House,
A7-A8, MIDC, Wagle Industrial Estate,
Main Road, Thane - 400604, India
9167720911 - 14
info@envirocare.co.in
CIN: U99999MH1988PTC045938

43+ Years... Test with trUSt

TEST REPORT

Test Report No	02/ETHEN2518298	**Issue Date**	20 Oct 2025

Customer Name	**CHALET HOTELS LTD. (UNIT OF JW MARRIOTT HOTEL MUMBAI SAHAR)**		
Customer Address	IA Project Road, Chatrapati Shivaji International Airport,Mumbai PO Box : 400099		
Order/Reference	AMC Dated from 01.01.2025 to 31.12.2025		
Specification	As Per Factory Act 1948		
Information as provided by customer:			
Sample Name	Spot Noise		
Sampling Details :			
Sample Drawn	By Envirocare		
Sampling Method	As per CPCB Guideline & Customer's requirement	Sampling Date	29-09-2025
Other Details : Add Condition			

Sr No	Sampling Points	Average Noise Level	Limit	Unit
1	DG no-2 (2000KVA)	79	85	dB(A)

Authorised signatory
Nikita Bhalerao
Analyst

Scan to authenticate this report

----------End of Test Report----------

By Speed Post

No. 21-281/2007-IA .III
Government of India
Ministry of Environment and Forests
(I.A. Division)

Paryavaran Bhawan,
CGO Complex, Lodhi Road
New Delhi 110003

Dated: August 23, 2007

To

M/s. Chalet Hotels Ltd.
Construction House "A"
24th Road, Khar (W),
Mumbai-400052.

Subject: Environmental Clearance for construction of proposed star category hotel project on land bearing CTS No. 1483, 1491, 1495, 1496/A, 1496/B, 1503/4 and 1500/D of Village Marol, Andheri (E), Mumbai.

Sir,

I am directed to refer to your application seeking prior environmental clearance for the above project under the EIA Notification 2006. The above proposal has been appraised as per prescribed procedure on the basis of the mandatory documents enclosed with the application viz. the Form 1, Form 1 A and conceptual plan and the additional clarifications furnished in response to the observations of the Expert Appraisal Committee (EAC) constituted by the competent authority in its 19th meeting held on July 29-30, 2007.

2. The project proponent is proposing for construction of proposed star category hotel project on land bearing CTS No. 1483, 1491, 1495, 1496/A, 1496/B, 1503/4 and 1500/D of Village Marol, Andheri (E), Mumbai at a cost of Rs. 442.12 crore. The project involves construction of 420 rooms star category hotel comprising of ground plus eight floors and two basements. The hotel building from second floor to eight floor will have two wings, one wing will have guest room and the other wing will have ancillary users for the hotel. The total plot area is 29047.25 sq. m. The total built up area as indicated is 63652.39 sq.m. Total water requirement will be 1265 cu.m./day (including recycled water) and total wastewater generation will be 663 cu.m./day. The wastewater generated from the hotel complex will be treated in STP (capacity 700 cu.m.). The treated wastewater will be used for gardening, flushing and air conditioning within the premises. The solid waste generated from the complex will be 2780 kg/day. The solid waste will be segregated into dry and wet garbage. The wet garbage will be composted while dry garbage will be disposed off for recycling purpose. The parking space proposed for parking of 1194 vehicles.

3. The report submitted along with the application predicts that there will be minor negative impact on ambient air quality during construction as well as operation phase. There will be negative impact on ambient noise levels during construction as well as operation phase. There will be positive impact on land use pattern due to landscaping and greenbelt development. Plantation of trees and development of recreational area, surrounding area will have positive impact on overall land use.

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

PART A- SPECIFIC CONDITIONS

I. Construction Phase

i. Consent for establishment shall be obtained from the State Pollution Control Board/Pollution Control Committee under Air and Water Act and a copy of the same shall be submitted to the Ministry before start of any construction work at site.
ii. For disinfection of waste water ultra violet radiation shall be used in place of chlorination.
iii. Vehicles hired for construction activities should be operated only during non-peak hours.
iv. All the top soil excavated during construction activities should be stored for use in horticulture/landscape developments within the project site.
v. Ready mixed concrete shall be used in building construction.
vi. Water demand during construction shall be reduced by use of pre mixed concrete, curing agents and other best practices.
vii. Permission to draw ground water shall be obtained from competent authority prior to construction/operation of the project.
viii. Separation of gray and black water should be done by the use of duel plumbing line. Treatment of 100% gray water by decentralized treatment should be done.
ix. Fixtures for showers, toilet, flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
x. Use of glass may be reduced upto 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.
xi. Roof should meet the prescriptive requirement as per energy conservation building code by using appropriate thermal insulation material to fulfill requirement.
xii. Opaque wall should meet prescriptive requirement as per energy conservation building code which is proposed to be mandatory for all air conditioned spaces while it is aspirational for non air conditioned spaces by use of appropriate thermal insulation to fulfill requirement.

xiii. Storm water control and its reuse should be as per Central Ground Water Board and BIS standards for various applications.

xiii. Necessary approval of competent authority of State Forest Department shall be obtained before starting construction.

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

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

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

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

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

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

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

xxi. The construction agencies shall use flyash based material/ products as per the provisions of fly ash notification of 14.9.1999 and as amended on 27.8.2003.

xxii Vehicles hired for bringing construction material at site should be in good condition and should have valid "pollution under check"(PUC) certificate and to conform to applicable air and noise emission standards and should be operated only during non-peaking hours.

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

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

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

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

II. Operation Phase

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

i. Necessary permission of competent authority shall be taken to store diesel in the premises for operation of DG set.

PART – B. GENERAL CONDITIONS

i) This environmental clearance is subject to Hon'ble Supreme Court's decision regarding siting of housing project near wildlife sanctuary.
ii) The environmental safeguards contained in the documents should be implemented in letter and spirit.
iii) Provision should be made for the supply of kerosene or cooking gas and pressure cooker to the laborers during construction phase.
iv) All the laborers to be engaged for construction works should be screened for health and adequately treated before the issue of work permits.
v) 6 monthly monitoring reports should be submitted to the Ministry and its Regional Office.

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

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

7. The Ministry reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time bound and satisfactory manner.

8. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department (if required), State Forest Department, Wildlife Act 1972, CRZ Rules etc. shall be obtained by project proponents from the competent authorities.

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

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

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

12. The project authority shall enter in to MOU with all buyers of the property to ensure operation and maintenance of the assets of the buildings.

sd/-

(K.C. RATHORE)
Additional Director (IA)
rathore27@yahoo.com
Tele: 24360789

Copy to: -

1. The Secretary, Department of Environment, Government of Maharashtra, New Administrative Building, 15th Floor, Opp. Mantralaya, Mumbai.
2. The Member Secretary, Maharashtra State Pollution Control Board, Kalptaru Point, 3rd Floor, Near Sion Circle Opp. Cine Planet Cinema, Sion(E), Mumbai.
3. The CCF, Regional Office, Ministry of Environment & Forests, Bhopal.
4. IA - Division, MOEF, New Delhi - 110001.
5. Guard file.

(K. C. RATHORE)
Additional Director (IA)

ANNEXURE II (B)

Mr. Vikas SAHAR/(2)
Kindly file xoxox
RP
18/7/13

Government of Maharashtra

File 21-281/2007-IA.III
Environment department,
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai 400 032
Date: 26th June, 2013

To,

M/s. Chalet Hotels Pvt. Ltd
Raheja Tower, Plot No C-30,
Block 'G' Next to Bank of Baroda,
Bandra Kurla Complex,
Bandra (E), Mumbai- 400 051

Subject:- Extension in validity of EC for construction of Star Category Hotel of village Marol at Andheri (E), Mumbai by M/s. Chalet Hotels Pvt. Ltd

Reference- Your letter dated 17th May, 2013

Sir,

With reference to above mentioned letter regarding validity of environmental clearance for construction of Star Category Hotel of village Marol at Andheri (E), Mumbai, you are hereby informed that State Level Environmental Impact Assessment Authority in its 61st meeting has decided to extend the validity of the Environmental clearance for a further period of 5 years. The SEIAA also agreed for the following two changes in the environmental clearance letter –

Sr. No.	Description	MOEF approval in Aug 2007	As per current plans seeking amended approval from MOEF
1	Plot Area	29047.25 sq. m	29047.25 sq. m
2	F.S.I (2.5)	63,652.39 sq. m	63,529.25 sq. m
3	Construction Area	1,23,920 sq.m (approximate)	1,22,499 sq. m

4	Number of floors	2 basements + ground + 8 upper floors (Both the wings)	2 Basements + Gr+ 4 upper floors (For wing A) 2 Basements + Gr + 10 upper floors (For wing B)
5	Number of Car Parking	1194 Cars	1612 Cars
6	Water requirement per day	1265 Cum.	1545 Cum.
7	S.T.P. Capacity	700 cum./day	900 cum./day
8	Solid Waste generated	2780 Kgs.	2823 Kgs
9	No. of Guest Rooms	420 Room bays	640 Room bays (inclusive of Spa , Executive lounge etc.) 602 Keys

The terms and conditions stipulated in even number environment clearance letter dated 23rd August, 2007 remains the same.

(Valsa R.Nair Singh)
Secretary, Environment
department &MS, SEIAA

Copy to:

1. Shri. P.M.A Hakeem, IAS (Retd.), Chairman, SEIAA, 'Jugnu' Kottaram Road, Calicut- 673 006 Kerla.
2. Regional Office, MPCB, Pune.

Sahar/(2)

ANNEXURE II (C)

Government of Maharashtra

SEAC-2013/CR-73/TC-1
Environment department
Room No. 217, 2nd floor,
Mantralaya Annexe,
Mumbai- 400 032.
Dated: 11th December, 2014

To,
M/s Chalet Hotels Pvt Ltd
at village Marol, Mumbai.

Subject: Environment clearance for proposed construction of Residential Star Category Hotel Building and an Ancillary building on land bearing CTS No. 1483, 1491, 1495, 1496A, 1496B, 1503/4 & 1500D (New CTS No. 1483/A (part), 1483/C & 1483/D) at village Marol, Mumbai by M/s Chalet Hotels Pvt Ltd

Sir,

This has reference to your communication on the above mentioned subject. The proposal was considered as per the EIA Notification - 2006, by the State Level Expert Appraisal Committee-II, Maharasbtra in its 29th meeting and recommend the project for prior environmental clearance to SEIAA. Information submitted by you has been considered by State Level Environment Impact Assessment Authority in its 77th meeting.

2. It is noted that the proposal is for grant of Environment Clearance for proposed construction of Residential Star Category Hotel Building and an Ancillary building on land bearing CTS No. 1483, 1491, 1495, 1496A, 1496B, 1503/4 & 1500D (New CTS No. 1483/A (part), 1483/C & 1483/D) at village Marol, Mumbai. SEAC-II considered the project under screening category 8(b) B1 as per EIA Notification 2006.

Brief Information of the project submitted by Project Proponent is as-

Name of the Project	Proposed expansion of Residential Star Category Hotel Project on Plot bearing CTS No. 1483/ A (part) 1483 C & 1483 D of Village Marol, Mumbai.
Project Proponent	Name: Mr. Ramesh Valecha, Executive Director M/s Chalet Hotels Pvt Ltd
Consultant	Name- Mr. H.K. Desai M/s. Enviro Analysts & Engineers Pvt. Ltd.
Type of Project:	Hotel Building
Location of the project	CTS No. 1483/ A (part) 1483 C & 1483 D of Village Marol, Mumbai
Whether in Corporation/ municipal/other area	Municipal Corporation of Greater Mumbai
Applicability of the DCR	MCGM, DCR 1991

<table>
<tr><td>Note on the initiated work (if applicable)</td><td>Work is being carried out as per the EC u/r no.21-281/2007-IA.III dated-23rd August 2007and extension of validity of EC dated 26th June 2013.</td></tr>
<tr><td>Total plot area (Sq.M.)
Deductions
Net Plot Area</td><td>Total Plot Area : 58,899.0 sq.mts
Less Area of Road set back : 804.50 sq.mts

Net Area Plot size : 58,094.50 Sq. mts
Plot Area for Hotel : 29,047.25
Plot Area for private R.G : 29,047.25 sq.mts.</td></tr>
<tr><td>Permissible FSI</td><td>3.3</td></tr>
<tr><td>Proposed Built Up Area(FSI & Non FSI)</td><td>Total FSI Area- 80,367.00 Sq.M.
Total Non FSI Area-66,329.0 Sq.M.
Total Construction Area-1,46,696.0 Sq.M.</td></tr>
<tr><td>Ground Coverage Area</td><td>(45.69%)</td></tr>
<tr><td>Estimated Cost of the project</td><td>Land cost : Rs. 4,421.0 Lacs
Construction Cost : Rs. 64,763.0 Lacs
Other Cost : Rs. 22,496.0 Lac
Total Cost of Project : 91,680.0 Lacs</td></tr>
<tr><td>Number of Buildings & configuration(s)</td><td>The Hotel Building consists of 2 Basements + Ground + 1st Floor with 2 Wings (Wing A and Wing B) above it.
Wing A (Business Centre/Administration and Hotel Offices): 2nd floor to 9th Floor.
Wing B (Hospitality): 2nd Floor to 10th Floors.
1st floor of Wing B also includes Service Floor. Parking facility and Services are proposed in the Basement.</td></tr>
<tr><td>Number of bays in hospitality.
Offices and shops in the hotel Offices, business center and administration buildings.</td><td><u>Hospitality : 640 Bays and 602 Keys</u>
FSI Built Up Area :44,156.0 Sq. mts
Total Construction Built Up Area: 62,691.0 Sq.mts
<u>Hotel Offices :</u>
FSI Built Up Area : 10,964.0 sq. mts
Total Construction Built Up Area: 1,4,486.0 sq. mts
<u>Business Centre/Administration :</u>
FSI Built Up Area : 25,247.0 sq. mts
Total Construction Built Up Area: 29,149.0 sq. mts</td></tr>
<tr><td>Number of expected residents/users</td><td>Total -10,868 Nos. (100% occupancy + floating population)
Hotel Offices and Business Centre / Administration -7,248 nos.
Hospitality building- 3,620 Nos</td></tr>
<tr><td>Tenant density per hectare</td><td>NA</td></tr>
<tr><td>Height of Building(s)</td><td><table><tr><td>Hotel Buildings</td><td>Height in mts</td></tr><tr><td>Wing A</td><td>40.65mts</td></tr><tr><td>Wing B</td><td>41.77 mts</td></tr></table></td></tr>
<tr><td>Right of way</td><td>21.0 Mts wide right of way off 27.50 Mts wide Municipal Road.</td></tr>
<tr><td>Turning radius</td><td>More than 6.00 m radius</td></tr>
<tr><td>Existing Structure(s)</td><td>NA</td></tr>
</table>

<table>
<tr><td>Details of the demolition with disposal (If applicable)</td><td>There is no demolition work</td></tr>
<tr><td>Total Water Requirement</td><td>Dry Season:
Fresh water (CMD) & source: 779.0 KLD by MCGM
Recycled water (CMD): 827.0 KLD (From STP)
Total Water Requirement (CMD): 1,606 KLD
Swimming pool make up (Cum): 06 KLD
Fire fighting (Cum) for hotel building: UG Tanks = 250 KLD, OH Tanks = 30 KLD
Fire fighting (KLD) for administrative and Offices building: UG Tanks = 200.0 KLD, OH Tanks = 30.0 KLD
Wet Season:
Fresh Water (CMD) & Source: 279.0 KLD by MCGM
Recycled Water (CMD): 827.0 KLD (From STP)
Total Water Requirement (CMD): 1,106.0 KLD (Including water from RWH Tank)
Swimming pool make up (CMD): 06 KLD
Fire fighting (KLD) for administrative and Offices building: UG Tanks = 200 KLD, OH Tanks = 30 KLD</td></tr>
<tr><td>Rain Water Harvesting (RWH)</td><td>Level of the ground water table – 4.5m
Size and no of RWH tank(s) and quantity: 4 nos. tanks of 500 cum combined capacity
Location of the RWH tanks(s): Lower Basement (B-2)
Size, no. of recharge pits and quantity: 15 ring wells with 6m dia and 6.5m depth will be provided.
Total rain water harvested: 45000 m^3 annually
Budgetary allocation (capital cost and O&M cost)
Capital cost:204 Rs. Lakhs
O & M Cost :6.8 Rs. lakhs</td></tr>
<tr><td>UGT tanks</td><td>Location(s) of the UGT tank(s)- B2 (Lower Basement)</td></tr>
<tr><td>Strom water drainage</td><td>Natural water drainage pattern
Quantity of storm water:
<table><tr><td>Total Actual Discharge</td><td>192 LPS</td></tr><tr><td>Total Design Discharge</td><td>192 LPS</td></tr><tr><td>Existing Storm Water Discharge</td><td></td></tr><tr><td colspan="2">Since Internal Storm Water Discharge is less than Existing Strom Water Discharge, thus Sizes of the proposed drain is sufficient</td></tr></table>
Size of SWD: 450mm wide drain channel with slope 1:300</td></tr>
<tr><td>Sewage & Waste Water</td><td>Sewage generation: 871.0 m^3/day
STP Technology:
Capacity of STP: Total Capacity 900.0 KLD
Location of the STP- Lower Basement

DG Sets (during emergency):
<u>Back Up Power :</u>
DG Sets -100% backup during operation phase:
For Hospitality - 2 Nos. of 2000 KVA each</td></tr>
</table>

	For Business Centre/Administration – 2 Nos. 1500 KVA each For Hotel Offices - 2 Nos. of 500 KVA each Fuel: Diesel Budgetary allocation (capacity cost and O&M cost): Capital cost :100 Rs. lakhs O & M Cost : 18 Rs. lakhs
Solid Waste Management	Waste generation in the Pre-Construction and Construction phase Waste generation- Quantity of the top soil is been preserved Bricks, concrete debris, floor tiles, wood, steel material, plastic sheets, tins, etc. will be segregated and recyclable materials will be handed over to authorized vendors. Waste generation in the operation phase: 2,796kg/day Dry waste (Kg/day): 996.0 kg/Day Wet waste (Kg/day): 1800.0 Kg/Day Garden waste: 86 kg/day E-waste (Kg/month): NA Hazardous waste (Kg/month):NA Biomedical waste (Kg/month) (if applicable): NA STP sludge: 150 kg/day Mode of Disposal of Waste: Dry waste: Will be handed over to MCGM for recycling Wet Waste: Will be processed in the OWC for manure for landscaping/ gardening E-Waste: NA Hazardous Waste: NA Biomedical Waste: NA STP Sludge (Dry Sludge): Use as manure/ as replacement for saw dust in OWC. Area Requirement: Location(s) and total area provided for the storage and treatment of the solid waste: Located on B1 (Upper Basement) Budgetary allocation (capital cost and O&M cost) Capital Cost:30.86. Rs. lakhs O & M Cost : 7.2. Rs. lakhs
Green Belt Development	R.G area provided = 10,354.0 sq.m (6,154.0 sqm at ground level & 4,200.0 sqm on podium level) Required No. of tress to he planted = 1556 Nos. Plantations: There are about 128 nos. of trees that are existing on the site after having cut 9 Nos. of trees and relocating 8 Nos. We have recently planted 518 Nos of trees totaling 654 trees that are on site today. We have to plant a balance of about 900 Nos of trees for which we will comply before we receive garden occupation from the authority. Capital Cost: About Rs.1.04 Crore O & M Cost: About Rs. 2.5 lakhs Per Month

Energy	Power Supply: Construction Phase – Total Electrical Power required during the Construction phase is estimated as follows: Connected Load : 500 KW Demand Load : 300 KW Source: Tata Power DG Back-up not provided for construction Phase. Operation Phase – Total max electrical demand load for Hotel – 3218 KW / 3387 KVA For Hotel Offices- 508 KW / 534 KVA For Business centre/administration – 1014 KW / 1067 KVA Source: Tata Power Back Up Power : DG Sets -100% backup during operation phase: For Hospitality - 2 Nos. of 2000KVA each For Business Centre/Administration: 2 Nos. 1500 KVA each For Hotel Offices: 2 Nos. of 500 KVA each Fuel: Diesel ENERGY CONSERVATION MEASURES: Energy efficient fluorescent tube lights & CFL lamps which give approx. 30% more light output for the same watts consumed and therefore require less no of fixtures and corresponding lower point wiring costs and saving in energy. All fluorescent light fixtures will be specified to incorporate electronic chokes, which have less watt-loss, compared to electromagnetic chokes, Harmonics filter to mitigate the harmonics and result in superior operating power factor. Electronic chokes also improve the life of the fluorescent lamps. Bus bars in all distribution panels are specified as copper bus bars to reduce losses and improve reliability. Copper conductor cables will be used, this will reduce losses and improve reliability. All cables will be de-rated to avoid heating during use. This also indirectly reduces losses and improves reliability. Variable frequency drives will be incorporated on motor feeders, which will save considerable energy. Power factor of the complete infrastructure electrical system will be maintained close to unity. This will reduce electrical power distribution losses in the installation. An APFC relay based on thyristor switching will be proposed to effect the power factor correction / improvement within a few cycles of deviation from the setting & also to reduce inrush currents. Solar operated standalone pole lights will be proposed to power pathway lights at some strategic locations. Presence sensors & daylight sensors will be provided where ever feasible. Details calculations & % of saving: Power Consumption summary

	Sr. no	Description	Area	connected load	Max. Demand Load	Operational hours/day	Annual Load Factor	Annual Power Consumption
			Sq. M.	KW	KW			KWh/sq.mtrs/yr.
	1	Office Block	29149	1491	1193	12	0.4	72
	2	Retail	14486	667	510	12	0.4	62
	3	Hotel	62691	8228	3218	24	0.5	225
	4	Common Parking Area	73180	Included in Sr. 1, 2, 3				
		Grand Total	143505	10386	4921			359
	Compliance of the ECBC guidelines: (Yes/No) (If yes then submit compliance in tabular form) – NA Compliance to ECBC GUIDELINES table inserted as Type of fuel used: HSD (HIGH SPEED DIESEL)							
Environmental Management plan Budgetary Allocation	Construction phase(with Break – up) – Capital cost: Refer Table below O & M cost (please ensure manpower and other details): Refer Table below Operation Phase (with Break-up)- Capital cost: Refer Table below O & M cost (please ensure manpower and other details): Refer Table below							

DURING OPERATION PHASE		
Environment Protection Measures	Capital Cost (Rs.)	Operating Cost (Rs.)
STP	100.00 Lac	18.00 Lac
SWM (Composting)	30.86 Lac	7.200 Lac
Rain Water Harvesting	204.0 Lac	6.80 Lac
Landscaping	104.00 Lac	2.50 Lac
Monitoring	1.00 Lac	--
Total	439.86 Lac	34.50 Lac

Traffic Management	Nos. of the junction to the main road & design of confluence: Entries & Exits: Vehicular Entries & Exits at multiple locations. Roads: 21.0 mts of Right of Way, 27.0 mts and 18.30 mts wide D.P. Road.

	Parking Details: Number and area of Basement: 2 Nos. Area: 51,880.0 Sq. Mts Required Car Parks = 1,473 Nos.+125 Nos. Provided Car Parks = 1598 Nos. + 6 Heavy Vehicles = 1604 Nos. Upper Basement (B1) = 655 Nos. + 6 Heavy Vehicles Lower Basement (B2) = 815 Nos. Surface Car Parking = 128 Nos.

The Authority also noted that following changes in the proposed expansion with reference to earlier EC accorded to the project:

Sr. No	Particulars	Previous EC dated 26th June 2013	Expansion now proposed
1.	Plot Area	Area of Sub Plot 'B' : 58,899.0 Sq. Mts *(Excluding Sub Plot 'A' in C-2 Zone)* Less Area Road set back : 804.50 Sq. Mts. --- Net Area Plot size : 58,094.50 Sq. Mts Plot Area for Hotel : 29,047.25 Sq. Mts. Area of R.G not to be acquired : 29,047.25 Sq. Mts	
2.	Type of Building	*HOTEL BUILDING*	*HOTEL BUILDING*
		Wings 'A' with 3 Upper Floors and Wing 'B' with 9 Upper Floors over 2 Basements + Ground + 1 level Podium.	Wing 'A' with 8 Upper Floors and Wing 'B' with 9 Upper Floors (unchanged) over 2 Basements + Ground + 1 level Podium.
		Guest Rooms + Ancillary Users (Administration Office / Business Centre etc) for the Hotel.	
Sr. Nos	Particulars	Previous EC dated 26th June 2013	Expansion now proposed
3.	Permissible FSI	3.5	3.5
4.	Permissible Built Up Area (FSI)	88,594.0 Sq. Mts.	88,594.0 Sq. Mts.
5.	Proposed Built Up Area (FSI)	63,529.25 Sq. Mts. (FSI 2.5)	80,500.00 Sq. Mts. (FSI 3.3)
6.	Construction Area	1,22,499.0 Sq. Mts.	1,46,696.0 Sq. Mts.
7.	No. of Car Parks	1,612	1598 Nos. + 6 Heavy Vehicles = 1604 Nos.

8.	Water Requirement	1,545.0 M^3/day	1,606 .0 M3/day
9.	STP Proposed	900.0 M^3/day	900.0 M^3/day
10.	Total Solid Waste Generation (Dry + Wet)	2,823 Kgs/day	2,823 Kgs /day
11.	No of Guests Rooms	640 Bays and 602 Keys	640ys and 602 Keys

3. The proposal has been considered by SEIAA in its 77th meeting & decided to accord environmental clearance to the said project under the provisions of Environment Impact Assessment Notification, 2006 subject to implementation of the following terms and conditions :

General Conditions for Pre- construction phase:-

(i) 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. Judgments/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 concern SEAC and SEIAA. If any discrepancy found in the plans submitted or details provided in the above para may be reported to environment department. This environmental clearance issued with respect to the environmental consideration and it does not mean that State Level Impact Assessment Authority (SEIAA) approved the proposed land use.

(ii) This environmental clearance is issued subject to obtaining NOC from Forestry & Wild life angle including clearance from the standing committee of the National Board for Wild life as if applicable & this environment clearance does not necessarily implies that Forestry & Wild life clearance granted to the project which will be considered separately on merit.

(iii) PP has to abide by the conditions stipulated by SEAC & SEIAA.

(iv) The height, Construction built up area of proposed construction shall be in accordance with the existing FSI/FAR norms of the urban local body & 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.

(v) "Consent for Establishment" shall be obtained from Maharashtra Pollution Control Board under Air and Water Act and a copy shall be submitted to the Environment department before start of any construction work at the site.

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

General Conditions for Construction Phase-

(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.

(ii) 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.

(iii) 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.

(iv) 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.

(v) Arrangement shall be made that waste water and storm water do not get mixed.

(vi) All the topsoil excavated during construction activities should be stored for use in horticulture / landscape development within the project site.

(vii) 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.

(viii) Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.

(ix) 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.

(x) Construction spoils, including bituminous material and other hazardous materials must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water.

(xi) Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the Maharashtra Pollution Control Board.

(xii) 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.

(xiii) The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from concern authority shall be taken.

(xiv) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.

(xv) 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/MPCB.

(xvi) Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and amended as on 27th August, 2003. (The above condition is applicable only if the project site is located within the 100Km of Thermal Power Stations).

(xvii) Ready mixed concrete must be used in building construction.

(xviii) 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.

(xix) Storm water control and its re-use as per CGWB and BIS standards for various applications.

(xx) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

(xxi) The ground water level and its quality should be monitored regularly in consultation with Ground Water Authority.

(xxii) The installation of the Sewage Treatment Plant (STP) should be certified by an independent expert and a report in this regard should be submitted to the MPCB and Environmenent department before the project is commissioned for operation. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treated effluent emanating from STP shall be recycled/refused to the maximum extent possible. Discharge of this unused treated affluent, if any should be discharge in the sewer line. Treatment of 100% gray water by decentralized treatment should be done. Necessary measures should be made to mitigate the odour problem from STP.

(xxiii) Permission to draw ground water and construction of basement if any shall be obtained from the competent Authority prior to construction/operation of the project.

(xxiv) Separation of gray and black water should be done by the use of dual plumbing line for separation of gray and black water.

(xxv) Fixtures for showers, toilet flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.

(xxvi) Use of glass may be reduced up to 40% to reduce the electricity consumption and load on air conditioning. If necessary, use high quality double glass with special reflective coating in windows.

(xxvii) Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.

(xxviii)Energy conservation measures like installation of CFLs /TFLs 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 CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels may be done to the extent possible like installing solar street lights, common solar water heaters system. Project proponent should install, after checking feasibility, solar plus hybrid non conventional energy source as source of energy.

(xxix) Diesel power generating sets proposed as source of back up power for elevators and common area illumination during operation phase should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The height of stack of DG sets should be equal to the height needed for the combined capacity of all proposed DG sets. Use low sulphur diesel. The location of the DG sets may be decided with in consultation with Maharashtra Pollution Control Board.

(xxx) Noise should be controlled to ensure that it does not exceed the prescribed standards. During nighttime the noise levels measured at the boundary of the building shall he restricted to the permissible levels to comply with the prevalent regulations.

(xxxi) 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.

(xxxii) Opaque wall should meet prescriptive requirement as per Energy Conservation Building Code, which is proposed to be mandatory for all air-conditioned spaces while it is aspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.

(xxxiii) The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.

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

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

(xxxvi) Six monthly monitoring reports should be submitted to the Regional office MoEF, Bhopal with copy to this department and MPCB.

General Conditions for Post- construction/operation phase-

(i) Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings. No physical occupation or allotment will be given unless all above said environmental infrastructure is installed and made functional including water requirement in Para 2. Prior certification from appropriate authority shall be obtained.

(ii) Wet garbage should be treated by Organic Waste Converter and treated waste (manure) should be utilized in the existing premises for gardening. And, no wet garbage will be disposed outside the premises. Local authority should ensure this.

(iii) Local body should ensure that no occupation certification is issued prior to operation of STP/MSW site etc. with due permission of MPCB.

(iv) A complete set of all the documents submitted to Department should be forwarded to the Local authority and MPCB.

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

(vi) A separate environment management cell with qualified staff shall be set up for implementation of the stipulated environmental safeguards.

(vii) Separate funds shall be allocated for implementation of environmental protection measures/EMP along with item-wise breaks-up. These cost 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 MPCB & this department.

(viii) The project management shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the Marathi language of the local concerned within seven days of issue of this letter, informing that the project has been accorded environmental clearance and copies of clearance letter are available with the Maharashtra Pollution Control Board and may also be seen at Website at http://ec.maharashtra.gov.in.

(ix) Project management should submit half yearly compliance reports in respect of the stipulated prior environment clearance terms and conditions in hard & soft copies to the MPCB & this department, on 1st June & 1st December of each calendar year.

(x) A copy of the clearance letter shall be sent by proponent to the concerned Municipal Corporation and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.

(xi) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored 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 CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM. SO_2, NOx (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.

(xii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB.

(xiii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

4. The environmental clearance is being issued without prejndice to the action initiated under EP Act or any court case pending in the court of law and it does not mean that project proponent has not violated any environmental laws in the past and whatever decision under EP Act or of the Hon'ble court will be binding on the project proponent. Hence this clearance does not give immunity to the project proponent in the case filed against him, if any or action initiated under EP Act.

5. In case of submission of false document and non compliance of stipulated conditions, Authority/ Environment Department will revoke or suspend the Environmental Clearance without any intimation and initiate appropriate legal action under Environmental Protection Act, 1986.

6. The Environment department reserves the right to add any stringent condition or to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the department or for that matter, for any other administrative reason.

7. **Validity of Environment Clearance:** The environmental clearance accorded shall be valid for a period of 5 years.

8. In case of any deviation or alteration in the project proposed from those submitted to this department for clearance, a fresh reference should be made to the department to assess the adequacy of the condition(s) imposed and to incorporate additional environmental protection measures required, if any.

9. The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and rules there under, Hazardous Wastes (Management and Handling) Rules, 1989 and its amendments, the public Liability Insurance Act, 1991 and its amendments.

10. Any appeal against this environmental clearance shall lie with the National Green Tribunal (Western Zone Bench, Pune), New Administrative Building, 1st Floor, D-, Wing, Opposite Council Hall, Pune, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

11. This Environment Clearance is issued for proposed construction of Residential Star Category Hotel Building and an Ancillary building on land bearing CTS No. 1483, 1491, 1495, 1496A, 1496B, 1503/4 & 1500D (New CTS No. 1483/A (part), 1483/C & 1483/D) at village Marol, Mumbai by M/s Chalet Hotels Pvt Ltd

(Medha Gadgil)
Additional Chief Secretary,
Environment department &
MS, SEIAA

Copy to:

1. Shri. R. C. Joshi, IAS (Retd.), Chairman, SEIAA, Flat No. 26, Belvedere, Bhulabhai desai road, Breach candy, Mumbai- 400026.
2. Shri. Ravi Bbushan Budhiraja, Chairman, SEAC-II, 5-South, Dilwara Apartment, Cooperage, M.K.Road, Mumbai 400021
3. Additional Secretary, MOEF, 'MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
4. Member Secretary, Maharashtra Pollution Control Board, with request to display a copy of the clearance.
5. The CCF, Regional Office, Ministry of Environment and Forest (Regional Office, Western Region, Kendriya Paryavaran Bhavan, Link Road No- 3, E-5, Ravi-Shankar Nagar, Bhopal- 462 016). (MP).
6. Regional Office, MPCB, Mumbai.
7. Collector, Mumbai
8. Commissioner, Municipal Corporation Greater Mumbai (MCGM)
9. IA- Division, Monitoring Cell, MoEF & CC, Indira Paryavaran Bhavan, Jorbagh Road, Aliganj, New Delhi-110003.
10. Select file (TC-3)

(EC uploaded on 16/12/15)

MUNICIPAL CORPORATION OF GREATER MUMBAI
APPENDIX XXII
FULL OCCUPANCY Under Regulation 6(7)* and BUILDING COMPLETION CERTIFICATE Under Regulation 6(6)*
[CE/8673/WS/AK of 28 March 2018]

To,
Chalet Hotels Pvt. Ltd.
Raheja Tower, Plot No. C-30, Block 'G' Bandra Kurla Complex, Bandra (East), Mumbai - 400 051.

Dear Applicant/Owners,

The **full** development work of **commercial** building comprising of **Lower Basement + Upper Basement + Ground + First Floor with two blocks above it viz. Wing 'A' comprising of eight floors above i.e. 2nd to 8th and 9th (pt) floor and Wing 'B' comprising of nine floors above i.e. 2nd to 10th floors + Club House in layout R.G.** on plot bearing C.S.No./CTS No. **1483/D** of village **MAROL** at **Marol,Andheri (East),Mumbai** is completed under the supervision of Shri. **Surendra Prabhu P** , **Architect** , Lic. No. **CA/85/9356** , Shri. **Maniyar Manmohan** , RCC Consultant, Lic. No. **STR/M/115** and Shri. **Takshak Pandya** , Site supervisor, Lic.No. **P/524/SS-I** and as per development completion certificate submitted by architect and as per completion certificate issued by Chief Fire Officer u/no. **FB/HR/R-III/301** dated **15 September 2015** . The same may be occupied and completion certificate submitted by you is hereby accepted.

It can be occupied with the following condition/s.

1) That all Fire Fighting Systems shall be maintained in good working condition as per the CFO NOC for Full OCC.

2) That this Full OCC & BCC is without Prejudice to Legal matters pending in Court of Law if any.

Copy To :

1. Asstt. Commissioner, K/E Ward
2. A.A. & C. , K/E Ward
3. EE (V), Western Suburb I
4. M.I. , K/E Ward
5. A.E.W.W. , K/E Ward
6. Architect, Surendra Prabhu P, 4th Floor,Opp.SIDBI.,Bandra-Kurla Complex,Bandra(E)-51 Flat No.C-204,Umang CHS,Rukson Nagar,Sant Gyaneshwar Marg,Dahisar(E).

For information please

Name : Prakash Rajaram Rasal
Designation : Executive Engineer
Organization : Municipal Corporation of Greater Mumbai
Date : 28-Mar-2018 18: 31:11

Yours faithfully
Executive Engineer (Building Proposals)
Municipal Corporation of Greater Mumbai
K/E Ward

ANNEXURE IV

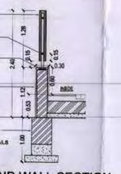
Floor	As per Old D.C. Regulation prior to 06.01.2012				As per New D. C. Regulation after 06.01.2012		Total	Staircase/lift lobby area claimed free of FSI upto 11th july 2013	Staircase/lift lobby area claimed of FSI after 12th July 2013
	BUA	Excess AHU Area	Excess Balcony area	Total	WING 'B'	WING 'A'			
Basement	-	-		Nil	-		Nil		
Ground	13346.76			13346.76			13346.76	681.85	
First	7523.88	162.41		7686.29			7686.29	607.08	
Second									
Wing A	3280.33	21.86		3302.19			3302.19	163.16	
Wing B	3024.82		93.74	3118.56			3118.56	268.59	
Third	3544.99		225.99	3770.98		3661.94	7432.92	279.86	160.58
Fourth	3544.99		225.99	3770.98		3661.94	7432.92	279.86	160.58
Fifth	3544.99		225.99	3770.98		3661.94	7432.92	279.86	160.58
Sixth	2320.86	15.33	122.72	2458.91	1470.26	3196.57	7125.74	279.86	160.58
Seventh	2320.86	15.33	122.72	2458.91	1470.26	3661.94	7591.11	279.86	160.58
Eighth	1975.99		60.26	2036.25	1470.26	3644.18	7150.69	279.86	178.94
Ninth	2340.23		90.97	2431.20	1470.26	357.22	4258.68	279.86	
Tenth					4353.47		4353.47		279.86
Eleventh	TERRACE								
	Excess Refuge Area counted in FSI (8th Floor - Wing B)						36.00		
	Excess Refuge Area counted in FSI (6th Floor - Wing A)						9.00		
TOTAL							80277.25	3679.70	1261.10

LOCATION PLAN
SCALE = 1:4000

PARKING AREA STATEMENT

1 PARKING REQD. FOR EVERY 60 SQM. FLOOR AREA
TOTAL FLOOR AREA = 80277.25 SQM.
TOTAL PARKING REQD. = 80277.25 / 60 = 1337.95 NOS
SAY = 1338 NOS
10 % VISITORS PARKING = 133.8 NOS.
SAY = 134 NOS
TOTAL PARKING REQD. = 1338 + 134 NOS.
= 1472 NOS.
TAJ FLIGHT KITCHEN PARKING REQD. = 125 NOS.
TOTAL PARKING REQD. = 1598 NOS.

PARKING PROVIDED - FLOORS	SMALL CAR	BIG CAR	MECH. CAR PARK	BIG CAR (extra)	BIG CAR IN TWO LEVELS	TOTAL CAR
B2 LEVEL	40	342 x 2 =	764	11		910
B1 LEVEL	22	212 x 2 =	424	9		859
GROUND SURFACE	-				64 X 2 LEVELS = 128	128
TOTAL CAR PARKING						1598
TOTAL HEAVY VEHICLE PARKING @ B1 LEVEL						06
TAJ FLIGHT KITCHEN PARKING PROVIDED 125 NOS OF 1598 TOTAL PARKING.						



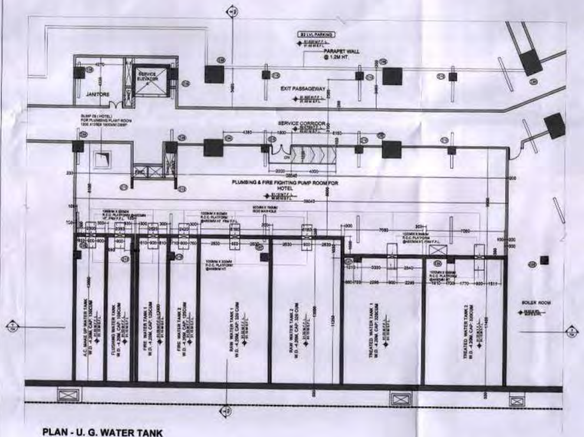
COMPOUND WALL SECTION
SCALE : 1 = 100

LENGTH OF PAVED RG			MTS.
A	TO	B	49.65
B	TO	C	94.80
C	TO	D	48.34
D	TO	E	60.25
E	TO	F	57.67
F	TO	G	37.52
TOTAL (A) TO (G)			319.91
(I) TO (H)			20.80

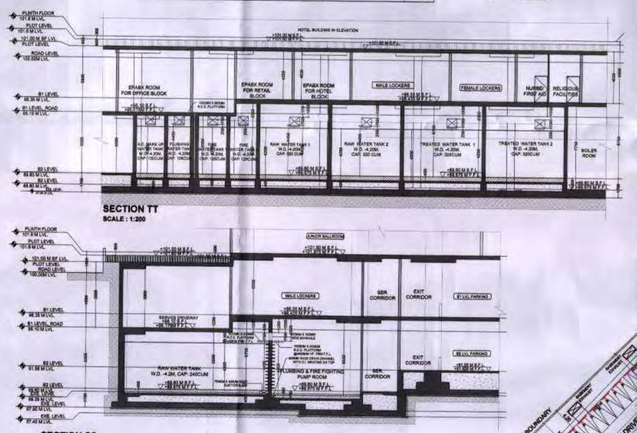
AREA CALCULATION FOR PAVED R.G.
LENGTH FROM (A) TO (G) = 319.31 MTS.
WIDTH OF PAVED R.G = 3.00 MTS.
AREA OF PAVED R.G = 319.31 x 3.00 = 957.93 SQ.MTS.

LENGTH FROM (I) TO (H) = 20.80 MTS.
WIDTH OF PAVED R.G = 3.00 MTS.
AREA OF PAVED R.G = 20.80 x 3.00 = 62.40 SQ.MTS.

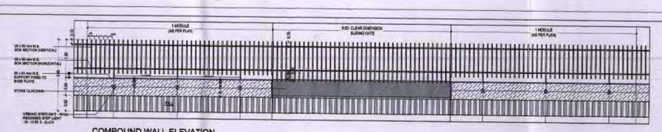
TOTAL AREA OF PAVED R.G = 957.93 + 62.40 = 1020.33 SQ.MTS.



PLAN - U. G. WATER TANK
SCALE : 1:200



SECTION THROU ENTRY GATE ROOF COVER FOR ENTRY FRISKING

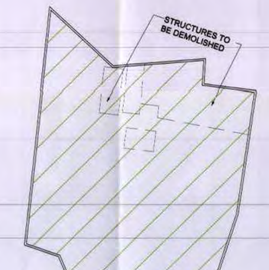


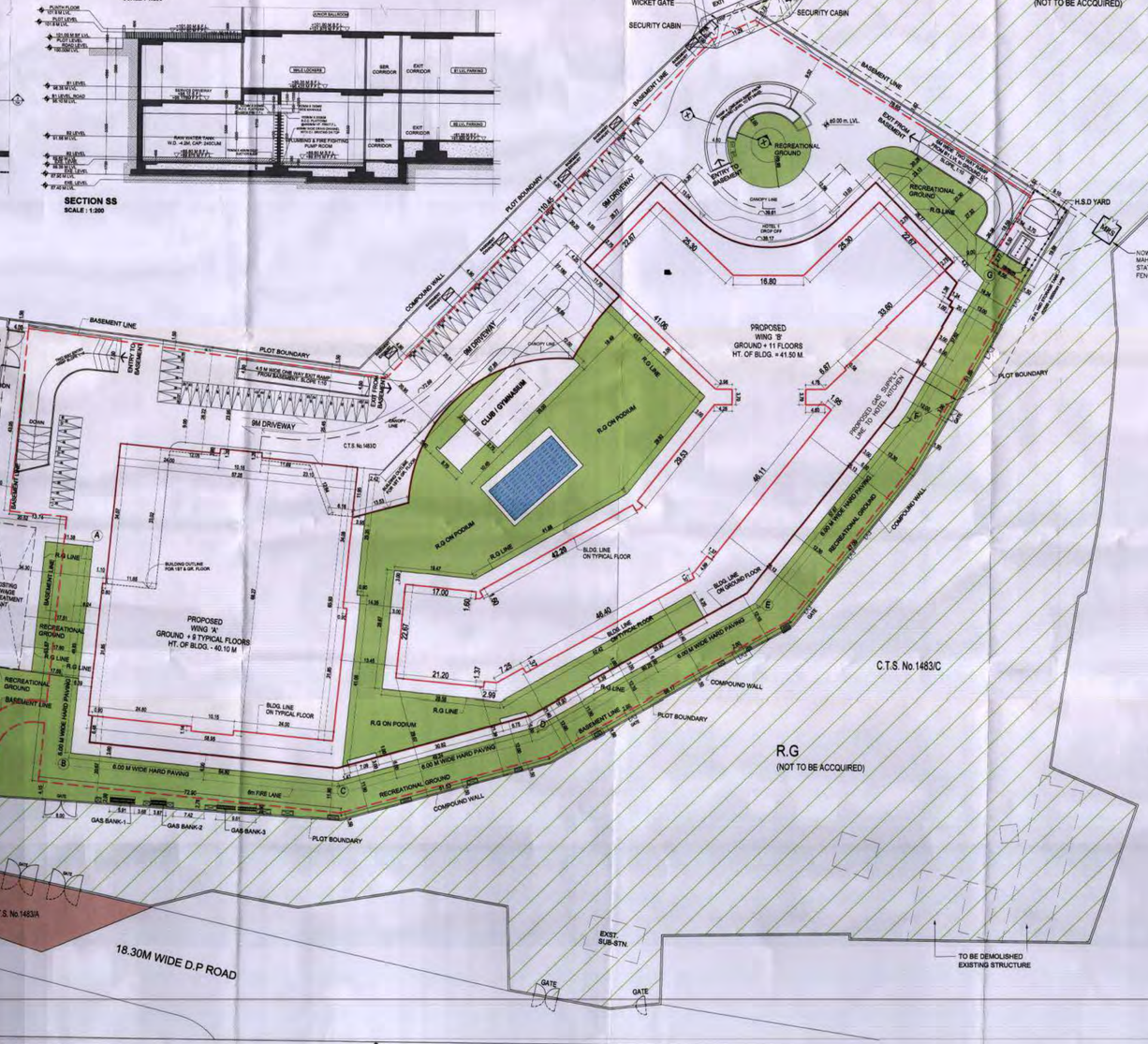
COMPOUND WALL ELEVATION
SCALE : 1 = 100

BALCONY STATEMENT (FOR PREMIUM)

BALCONY AREA	No. OF BALCONIES PER FLOOR								
	2ND FLR	3RD FLR	4TH FLR	5TH FLR	6TH FLR	7TH FLR	8TH FLR	9TH FLR	TOTAL
> 5 < 7.5	37	71	71	71	44	44	26	42	406
> 7.5 < 10.0	–	2	2	2	2	2	–	–	10
> 12.5 < 15.0	1	2	2	2	1	1	1	1	11
> 17.5 < 20.0	–	1	1	1	–	–	–	–	3

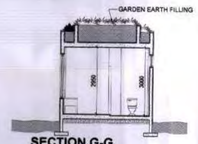
PERMISSIBLE CLUB / GYMNASIUM AREA
16% OF R.G. AREA PROVIDED ON PODIUM
i.e., 16% OF 4200.18 sq mts = 630.03 sq mts
PROPOSED B.U.A FOR CLUB / GYMNASIUM (416.08 + 212.34) = 627.42 sq mts
PERMISSIBLE PINTH AREA = 420.02 sq mts
PROPOSED PLINTH AREA = 416.08 sq mts



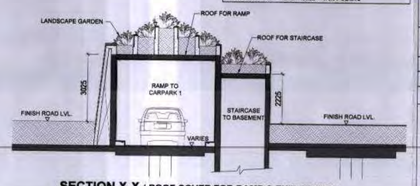


BLOCK PLAN
SCALE - 1:500

GROUND FLOOR PLAN
(SECURITY CABIN) SCALE 1:100



SECTION G-G
(SECURITY CABIN) SCALE 1:100



SECTION X-X (ROOF COVER FOR RAMP & EXIT STAIRS)
SCALE 1:100

A	AREA STATEMENT	AREA IN PLOT A	AREA IN PLOT B	TOTAL
		sq mts	sq mts	sq mts
1	PLOT AREA	13,099.00	58,899.00	70,998.00
2	LESS AREA OF RESERVATION/ SET BACK AREA	2,239.50	804.50	3,044.00
3	NET AREA OF THE PLOT	9,799.50	58,094.50	67,894.00
4	LESS R G RESERVATION (NOT TO BE ACQUIRED) DP LETTER CHE/587/DPWS HBN dt 26-05-06	-	29,047.25	29,047.25
5	BALANCE AREA	9,799.50	29,047.25	38,846.75
6	RESTRICTED AS PER ULC ORDER	9,799.50	28,054.33	37,853.83
7	LESS 15% NS	1,469.925	4,208.15	5,678.075
8	BALANCE AREA OF PLOT	8,329.58	23,846.18	32,175.76
9	ADDITIONS FOR FSI SETBACK AREA	2,239.50	804.50	3,044.00
10	TOTAL AREA (8+9)	10,569.08	24,650.68	35,219.76
11	PERMISSIBLE FSI	1.0	1.0	1.00
12	PERMISSIBLE BUILT UP AREA	10,569.08	24,650.68	35,219.76
13	ADDITIONAL 33% FSI AS PER DCR 32	-	9,257.00	9,257.00
14	ADDITIONAL FSI AS PER U.D.'S LETTER No. FSI 1194/2805/U II - 255/94/4021 dtd. 04-12-00 and 198 - 4312/486/W.SF. 71/2013 dated 11. dtd. 05-05-2014	2,468.67	46,402.31	49,070.98
15	TOTAL PERMISSIBLE BUILT UP AREA	13,037.75	80,309.99	
16	EXISTING BUILT UP AREA	6742.10	-	
17	PROPOSED BUILT UP AREA	-	80,368.25	
	TOTAL		80,368.25	

VENTILATION SHAFT AREA SR. NO.	FACTOR	WIDTH (MTS.)	LENGTH (MTS.)	AREA (SQ. MTS.)	NOS.	TOTAL AREA (SQ. MTS.)
2ND FLOOR						
D10	1.0	1.2	1.2	1.44	28	40.32
D11	1.0	0.50	1.2	0.6	3	1.80
TOTAL						42.12
3RD FLOOR						
D10	1.0	1.2	1.2	1.44	36	51.84
D11	1.0	0.50	1.2	0.6	4	2.40
TOTAL						54.24
4TH FLOOR						
D10	1.0	1.2	1.2	1.44	36	51.84
D11	1.0	0.50	1.2	0.6	4	2.40
TOTAL						54.24
5TH FLOOR						
D10	1.0	1.2	1.2	1.44	36	51.84
D11	1.0	0.50	1.2	0.6	4	2.40
TOTAL						54.24
6TH FLOOR						
D10	1.0	1.2	1.2	1.44	36	51.84
D11	1.0	0.50	1.2	0.6	4	2.40
TOTAL						54.24
7TH FLOOR						
D10	1.0	1.2	1.2	1.44	36	51.84
D11	1.0	0.50	1.2	0.6	4	2.40
TOTAL						54.24
8TH FLOOR						
D10	1.0	1.2	1.2	1.44	36	51.84
D11	1.0	0.50	1.2	0.6	4	2.40
TOTAL						54.24
9TH FLOOR						
D10	1.0	1.2	1.2	1.44	36	51.84
D11	1.0	0.50	1.2	0.6	4	2.40
TOTAL						54.24
10TH FLOOR						
D10	1.0	1.2	1.2	1.44	36	51.84
D11	1.0	0.50	1.2	0.6	4	2.40
TOTAL						54.24

TOTAL AREA OF VENTILATION SHAFTS
42.12 + 54.24 x 9 = 42.12 + 488.02 = 476.04 SQ.MTS

FILE NO. CE/8673/WS/AK
R - 1 / 23
CONTENTS OF SHEETS
BLOCK PLAN.
LOCATION PLAN.
' WING - A ' OCCUPATION DRAWINGS.

A	Proforma A	Old approved plan dated 23 Dec 2011	Plan as per modified D.C. Regulation	Total
			ALL AREAS IN SQ. MTS.	
1	Area of plot		58,899.00	
2	Deductions for			
	(a) Road set back area		804.50	
	(b) proposed road		-	
	(c) any reservation (sub-plot)		29,047.25	
	(d) .....% amenity space as per DCR 58/57 (sub- plot)			
	other			
3	Balance area of plot (1 minus 2)		29,047.25	
3a	Area restricted as per ULC order		28,054.33	
4	Deduction for 15% recreational ground/ 10% amenity space (if deductible e for ind)		4,208.15	
5	Net Area of plot (3a minus 4)		23,846.18	
6	Additions for floor space index			
	2(a) 100 % for O. P. Road			
	2(b) 100 % for Set back		804.50	
7	Total areas (5 plus 6)		24,650.68	
8	Floor space index permissible		ONE	
9	9(a) Floor space index credit available by Development Rights (Restricted to ..... % of the balance area vide 3 above) DRC No.		-	
	DRC No.		-	
	Additions for floor space index			
	9(b) 33% as per DCR 32		9,257.00	
	9(c)) As per DCR 33(4) Additional FSI Permitted as per U.D.'s letter No. FSI 194/2805/CR-295/94/UD-11 dated 04.02.2000 for an area of 27,158.83 sq. mt. and TPR-4312/483 Case No. 71/2013/ UD-11 dated 05.05.2014 for area of 21,912. 15 sq. mt.		46,602.31	
	9(d) Other			
10	Permissible floor area (7 x 8) plus 9 above		80,309.99	
11	Existing floor area			
12	Proposed built up area		80,277.25	
13	Excess balcony area taken in floor space index			
14A	Purely residential built up area			
14B	Remaining Non-residential built up area			
14	Total Built up proposed (11 + 12+ 13) as per old approved plan dtd. ..... Prior to 06.01.2012)			80,277.25
15	FSI consumed on net holding + 14/10			0.997
B	Details of FSI availed as per DCR 35 (4)		N.A.	
1	Fungible built up area component proposed vide DCR 35(4) for purely Residential + or <(144 x 0.35)			
2	Fungible built up area component proposed vide DCR 35(4) for purely Residential + or <(148 x 0.20)			
3	Total Fungible Built up area vide DCR 35(4)= (B.1 + B.2)			
4	Total Gross Built up area proposed (14+ B.3)			
C	Tenement statement		N.A.	
i	Proposed area (Item ..... 12 above)			
ii	Less deductions of Non residential area (shop etc)			
iii	Area available for tenements (i) minus (ii)			
iv	Tenements permissible (Density of tenements /hectare)			
v	Tenements proposed.			
vi	Tenements existing			
	Total Tenements provided			
D	Parking Statement		REFER STATEMENT	
i	Parking required by Regulations for Car			
	Scooter /Motor cycle outriders (Vehicles)			
ii	Covered garage permissible			
iii	Covered garage proposed			
	Car			
	Scooter /Motor Cycle Outrider (Vehicles)			
	Total parking provided			
E	Transport Vehicles Parking			
i	Spaces for transport vehicles parking required by regulations			
ii	Total No. of transport vehicles parking spaces provided			

NOTES
BOUNDARY OF THE PLOT BOUNDED BLACK.
PROPOSED WORK SHOWN PINK
'B' DENOTES BALCONY AND DIMENSIONS ARE OUTSIDE DIMENSIONS.
AREA SHOWN UNDER SET BACK SHOWN IN DOTTED GREEN.
STRUCTURES TO BE DEMOLISHED SHOWN IN DOTTED YELLOW.
RECREATION SHOWN IN GREEN.
AREA UNDER PROPOSED ROAD SHOWN IN BROWN.

CERTIFICATION OF AREA

CERTIFIED THAT I HAVE SURVEYED THE PLOT UNDER REFERENCE ON 22 - 02 - 2011 AND THE DIMENSIONS OF THE SIDES , ETC. OF THE PLOT STATED ON THE PLAN ARE AS MEASURED ON SITE AND THE AREA SO WORKED OUR IS 71,118.00 SQMTS SQUARE METERS AND TALLIES WITH THE AREA STATED IN THE DOCUMENT OF OWNERSHIP/TOWN PLANNING SCHEME RECORDS.

PROFORMA - B

ACCEPTED AS COMPLETION PLANS AS PER THIS OFFICE LETTER UNDER NO. CE/8673/WS/AK DTD.28/03/2018
THIS IS FULL OCC & BCC

DIGITAL SIGN OF APPROVAL OF PLANS

Athare Dipak Sureshrao
SUB.-ENG. (B.P.) WS-I/KEC

Sanjay Uttamrao Borse
Asst. ENG. (B.P.) WS-I/KE

Prakash Rajaram Rasal
Ex. ENG. (B.P.) WS-I/K

NAME & SIGN OF OWNER :

Neel Raheja
CHALET HOTELS PRIVATE LIMITED
REGD OFF : RAHEJA TOWER, PLOT NO. G-55,
BLOCK - G, NEXT TO BANK OF BARODA, BANDRAKURLA COMPLEX, BANDRA (E), MUMBAI 400 051

N
NORTH

REV.	DATE	DESCRIPTION	DRAWN	APPROVED

PROJECT :
PROPOSED HOTEL COMPLEX (BLDG. NO.2) ON PLOT BEARING C.T.S. NO. 1483 / D OF VILLAGE MAROL, ANDHERI (EAST), MUMBAI.

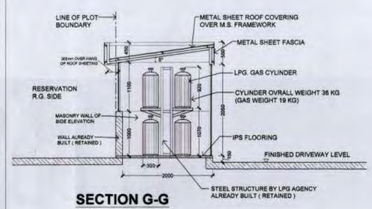
SCALE : AS SHOWN
DATE :

TITLE : BLOCK PLAN. LOCATION PLAN
PROJ. NO.

DEALT	CHECKED	APPROVED	ORG. NO.
			R - 1 / 23

NAME, ADD. & SIGN OF ARCHITECT
Surendra Prabhu Palimar
SURENDRA PRABHU
REG NO. CA - 89/4558
Flat No.C-30, Block 'G' (Opp SICBA) Bandra Kurla Complex, Bandra (E) Mumbai - 400 051

CONSULTING ARCHITECT
KAPADIA ASSOCIATES PVT.LTD.
112-114, PENINSULA CENTER, DR. S.S.RAO ROAD, OFF. PAREL (EAST), MUMBAI 400 012.
TEL. 91-22-66523570/79 FAX. 91-22-66523644



SECTION G-G
SCALE 1 : 50

BIG CAR (MECH. CAR PARK)	TOTAL CAR
64 X 2 = 128	128
PARKING STATEMENT - NO. OF BIG CARS - 128	

LEGEND :-
F & B = FOOD AND BEVERAGE OUTLET (RESTAURANT)

FILE NO.	R - 2 / 23
CE/8673/WS/AK	
CONTENTS OF SHEETS	
GROUND FLOOR PLAN.	
' WING - A ' OCCUPATION DRAWINGS.	

PROFORMA - B

ACCEPTED AS COMPLETION PLANS AS PER THIS OFFICE LETTER UNDER NO. CE/8673/WS/AK

DIGITAL SIGN OF APPROVAL OF PLANS

Athare Dipak Sureshrao
SUB.-ENG. (B.P.) WS-I/KEC

Sanjay Uttam rao Borse
Asst. ENG. (B.P.) WS-I/KE

Prakash Rajaram Rasal
Ex. ENG. (B.P.) WS-I/K

NAME & SIGN OF OWNER :

Neel Raheja
CHALET HOTELS PRIVATE LIMITED
REGD OFF. : RAHEJA TOWER, PLOT NO. C-30, BLOCK - G, NEXT TO BANK OF BARODA, BANDRA KURLA COMPLEX, BANDRA (E), MUMBAI 400 051

NORTH

REV.	DATE	DESCRIPTION	DRAWN	APPROVED

PROJECT : PROPOSED HOTEL COMPLEX (BLDG. NO.2) ON PLOT BEARING C.T.S. NO. 1483 / D OF VILLAGE MAROL, ANDHERI (EAST), MUMBAI.
THIS IS FULL OCC & BCC

SCALE : 1 : 300
DATE :
PROJ. NO.

TITLE : GROUND FLOOR PLAN.

DEALT	CHECKED	APPROVED	DRG. NO.
			R - 2 / 23

NAME, ADD. & SIGN OF ARCHITECT
Surendra Prabhu Palimar
SURENDRA PRABHU
REG NO. CA - 85/9356
Flat No.C-30, Block 'G' (Opp BOB) Bandra Kurla Complex, Bandra (E) Mumbai - 400 051.

CONSULTING ARCHITECT
KAPADIA ASSOCIATES PVT.LTD.
113-114, PENINSULA CENTER, DR. B.B.RAO ROAD, OFF. AMBEDKAR ROAD, PAREL EAST, MUMBAI 400 012.
TEL. 91-22-59903939 FAX. 91-22-59903944

R.G
(NOT TO BE ACCQUIRED)

PROPOSED LOCATION FOR MAHANAGAR GAS RECEIVING STATION(METER ROOM) (4000 X 4000mm WITH FENCING AROUND)

PLOT - A

C.T.S. No.1483/E
EXISTING BUILDING No.1

FLIGHT KITCHEN
BASEMENT + GR + 1ST FLOOR
(PT)
CE/5116/WS/AK
O.C.C. GRANTED ON 8-06-96

EXISTING SEWAGE TREATMENT PLANT

C.T.S. No.1483/A

C.T.S. No.1483/C

R.G
(NOT TO BE ACCQUIRED)

C.T.S. No.1483/D

TO BE DEMOLISHED EXISTING STRUCTURE

EXST. SUB-STN.

18.30M WIDE D.P ROAD

SET BACK AREA

MMRDA ROAD

WICKET GATE

SECURITY CABIN

SECURITY CABIN

PLOT BOUNDARY

COMPOUND WALL

9M DRIVEWAY

6.0 MTS WIDE DRIVEWAY

6.00 M WIDE HARD PAVING

RECREATIONAL GROUND

BASEMENT LINE

R.G LINE

LINE OF SUB DIVISION

GATE

SECURITY CABIN

MORE THAN 6.00M

MORE THAN 33 MTS

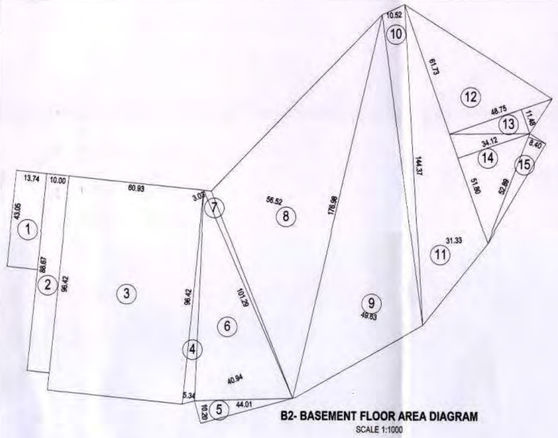
6m FIRE LANE

GAS BANK-1

GAS BANK-2

GAS BANK-3

GROUND FLOOR PLAN
SCALE 1 : 300



B2- BASEMENT FLOOR AREA DIAGRAM

SCALE 1:1000

B2-BASEMENT FLOOR AREA CALCULATION

I. Additions

	FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
1	1.00	43.05	13.74	591.51	1	591.51
2	1.00	88.67	10.00	886.70	1	886.70
3	1.00	98.42	60.93	5874.87	1	5,874.87
4	0.50	98.42	5.34	257.44	1	257.44
5	0.50	44.01	10.20	224.45	1	224.45
6	0.50	101.29	40.94	2073.41	1	2,073.41
7	0.50	101.29	3.03	153.45	1	153.45
8	0.50	178.98	56.52	5001.45	1	5,001.45
9	0.50	178.98	49.63	4391.76	1	4,391.76
10	0.50	144.37	10.52	759.39	1	759.39
11	0.50	144.37	31.33	2261.56	1	2,261.56
12	0.50	61.73	48.75	1504.67	1	1,504.67
13	0.50	48.75	11.48	279.83	1	279.83
14	0.50	51.80	34.12	883.71	1	883.71
15	0.50	52.89	8.40	222.14	1	222.14
TOTAL						25,366.33

TOTAL B2- BASEMENT FLOOR AREA = 25,366.33 SQM

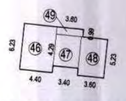
BASEMENT PART - P1, STORE AREA DIAGRAM

BASEMENT PART -P1, STORE AREA CALCULATION

I. Additions

	FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
60	1.00	4.48	3.66	16.37	1	16.37
61	1.00	5.40	3.65	19.17	1	19.17
62	0.50	11.87	1.70	9.95	1	9.95
63	0.50	13.31	10.12	67.35	1	67.35
64	0.50	12.39	2.10	13.01	1	13.01
TOTAL						118.48

TOTAL BASEMENT PART -P1, STORE AREA = 118.48



BASEMENT PART - P2, STORE AREA DIAGRAM

BASEMENT PART -P2, STORE AREA CALCULATION

I. Additions

	FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
45	1.00	6.23	4.40	27.41	1	27.41
47	1.00	4.29	3.40	14.59	1	14.59
48	1.00	5.23	3.90	16.83	1	16.83
49	1.00	3.60	0.99	3.56	1	3.56
TOTAL						64.38

TOTAL BASEMENT PART -P2, STORE AREA = 64.38

BASEMENT PART -S1, STORE AREA DIAGRAM

BASEMENT PART -S1, STORE AREA CALCULATION

I. Additions

	FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
10	1.00	4.81	5.47	26.31	1	26.31
13	1.00	12.52	6.74	84.38	1	84.38
18	1.00	10.49	4.25	46.43	1	46.43
19	1.00	8.75	1.25	10.187	1	10.13
20	1.00	10.80	6.55	70.74	1	70.74
21	1.00	6.55	3.32	20.96	1	20.95
22	1.00	4.15	2.20	9.02	1	9.03
23	1.00	10.12	8.30	82.98	1	82.98
24	1.00	9.55	8.36	79.84	1	79.84
26	1.00	5.78	4.03	23.29	1	23.29
TOTAL						466.15

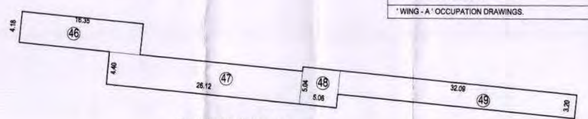
TOTAL BASEMENT PART -S1, STORE AREA = 466.15

BASEMENT PART -S1, STAIRCASE, LIFT, LOBBY AREA CALCULATION

II. ADDITION

	FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
25	1.00	4.19	4.36	36.75	1	50.78
27	1.00	1.61	1.63	3.31	1	3.31
28	1.00	3.36	5.67	19.05	1	19.05
29	1.00	3.63	5.59	20.65	1	20.65
30	1.00	5.58	2.67	14.85	1	14.85
31	1.00	1.60	4.23	7.61	1	7.61
TOTAL LOBBY & STAIRCASE						96.30

TOTAL AREA BASEMENT PART - S1, = 466.15 + 96.30 = 501.45

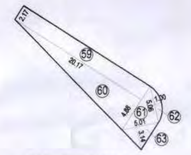


BASEMENT PART -S3, STORE AREA DIAGRAM

BASEMENT PART -S4, STORE AREA DIAGRAM

BASEMENT PART -S5, STORE AREA DIAGRAM

BASEMENT PART -S6, STORE AREA DIAGRAM



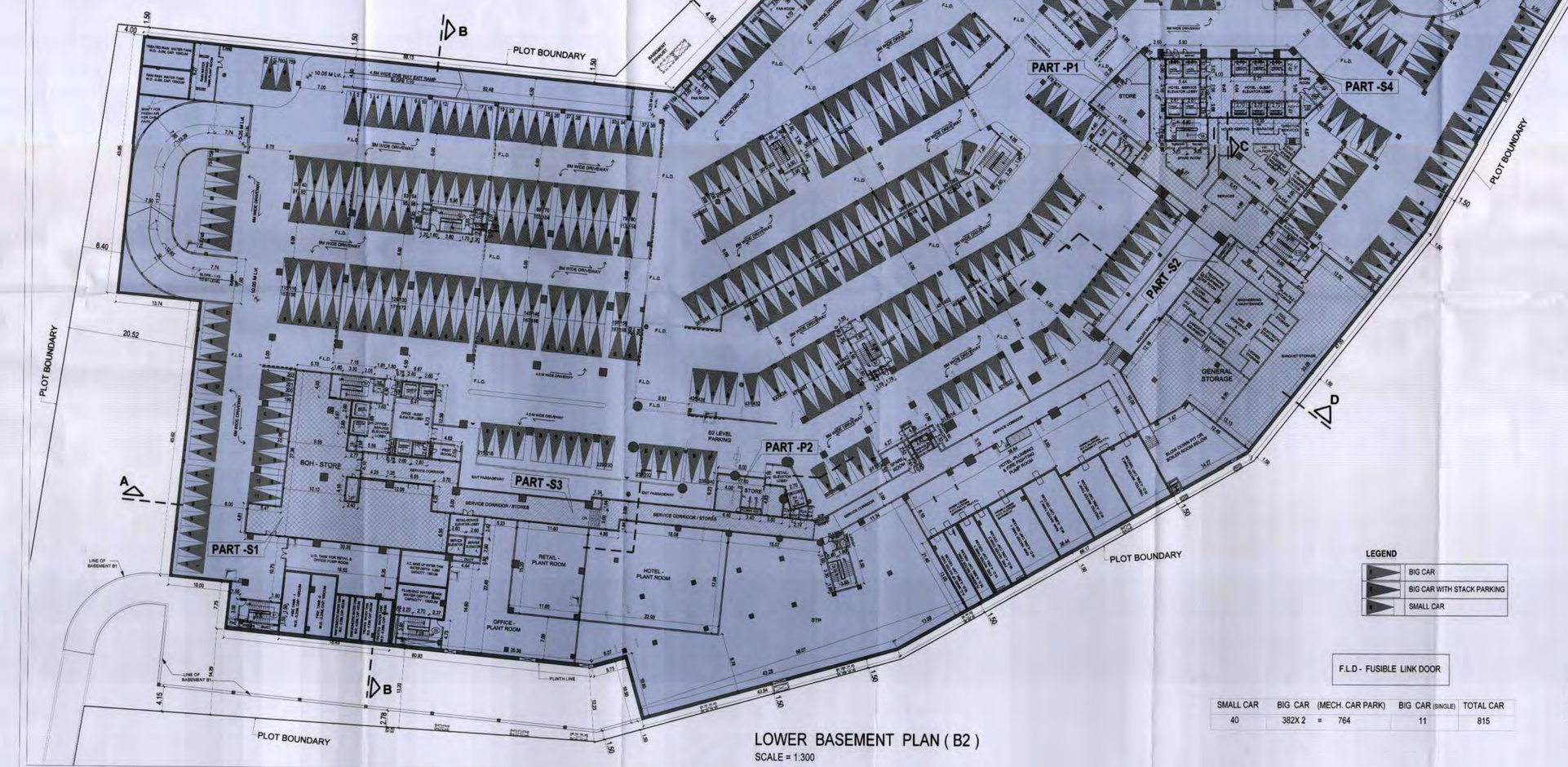
BASEMENT PART -S7, STORE AREA DIAGRAM

BASEMENT PART -S3, S4, S5, S6, S7, STORE AREA CALCULATION

I. Additions

	FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
46	1.00	4.18	16.35	68.34	1	68.34
47	1.00	4.40	26.12	114.93	1	114.93
48	1.00	5.04	5.06	25.50	1	25.50
49	1.00	32.09	3.20	102.68	1	102.68
50	1.00	9.92	17.13	169.89	1	169.89
51	0.50	9.79	7.31	24.37	1	24.37
52	1.00	5.00	6.00	30.00	1	30.00
53	1.00	5.66	8.60	48.68	1	48.68
54	0.50	8.12	23.28	94.52	1	94.52
55	0.50	8.14	20.25	82.17	1	82.17
56	0.50	3.96	12.00	17.76	1	17.76
57	0.50	7.42	8.60	15.26	1	15.26
58	0.50	4.09	10.41	21.29	1	21.29
59	1.00	4.17	20.17	43.77	1	43.77
60	0.50	4.68	20.17	49.21	1	49.21
61	0.50	5.01	5.06	12.68	1	12.68
62	0.67	1.01	5.06	3.36	1	3.37
63	0.50	5.01	3.14	7.87	1	7.87
TOTAL						912.10

TOTAL BASEMENT PART -S3, S4, S5, S6, S7, STORE AREA = 912.10



LOWER BASEMENT PLAN (B2)

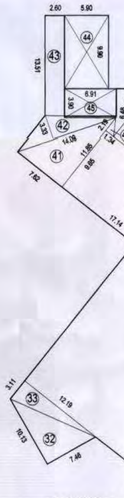
SCALE = 1:300

LEGEND

	BIG CAR
	BIG CAR WITH STACK PARKING
	SMALL CAR

F.L.D - FUSIBLE LINK DOOR

SMALL CAR	BIG CAR (MECH. CAR PARK)		BIG CAR (SINGLE)	TOTAL CAR
40	382X 2 = 764		11	815



BASEMENT PART -S2, STORE AREA DIAGRAM

BASEMENT PART -S2, STORE AREA CALCULATION

I. Additions

	FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
32	0.50	10.13	7.48	37.78	1	37.78
33	0.50	12.19	3.11	18.95	1	18.95
34	1.00	25.70	34.68	864.92	1	864.92
35	1.00	17.14	9.68	165.42	1	165.42
35a	1.00	3.80	4.49	42.72	1	43.72
35b	1.00	10.34	9.65	99.78	1	99.78
36	1.00	16.26	8.25	134.06	1	134.06
37	0.50	11.31	3.02	17.08	1	17.08
38	0.50	10.73	4.70	25.22	1	25.22
39	0.50	6.46	4.71	15.28	1	15.28
40	0.50	2.19	1.34	1.47	1	1.47
41	0.50	11.80	7.62	45.15	1	45.15
42	0.50	14.09	3.33	23.46	1	23.46
43	1.00	13.51	3.60	36.13	1	36.13
TOTAL						1,348.98

TOTAL BASEMENT PART -S2, STORE AREA = 1,348.98

BASEMENT PART -S2, STAIRCASE, LIFT, LOBBY AREA CALCULATION

II. ADDITION

	FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
44	1.00	5.90	9.90	58.41	1	58.41
45	1.00	6.91	3.90	26.95	1	26.95
46	1.00	6.60	3.65	24.09	1	24.09
TOTAL LOBBY & STAIRCASE						109.45

TOTAL AREA BASEMENT PART -S2 = 1,348.38 + 109.45 = 1,458.83

TOTAL BASEMENT STORE AREA CALCULATION

(PART S1 + PART S2) + (PART S3 + S4 + S5 + S6 + S7) + (PART P1 + PART P2) =
(551.45 + 1355.83)+ (912.10) + (119.49 + 64.39) = 3003.26 Sq. mt.

FILE NO.

CE/8673/WS/AK

R - 3 / 23

CONTENTS OF SHEETS

LOWER BASEMENT PLAN (B2) & AREA CALCULATION.

' WING - A ' OCCUPATION DRAWINGS.

PROFORMA - B

ACCEPTED AS COMPLETION PLANS AS PER THIS OFFICE LETTER UNDER NO. CE/8673/WS/AK

THIS IS FULL OCC & BCC

DIGITAL SIGN OF APPROVAL OF PLANS

Athare Dipak Sureshrao
SUB -ENG. (B.P.) WS-I/KEC

Sanjay Uttam rao Borse
Asst. ENG. (B.P.) WS-I/KE

Prakash Rajaram Rasal
Ex. ENG. (B.P.) WS-I/K

NAME & SIGN OF OWNER :

Neel Raheja
CHALET HOTELS PRIVATE LIMITED
REGD OFF. : RAHEJA TOWER, PLOT NO. C-30, BLOCK - G, NEXT TO BANK OF BARODA, BANDRA KURLA COMPLEX, BANDRA (E), MUMBAI 400 051

N NORTH

REV.	DATE	DESCRIPTION	DRAWN	APPROVED

PROJECT :
PROPOSED HOTEL COMPLEX (BLDG. NO.2) ON PLOT BEARING C.T.S. NO. 1483 / D OF VILLAGE MAROL, ANDHERI (EAST), MUMBAI.

SCALE : 1 : 300

DATE :

TITLE : LOWER BASEMENT PLAN (B2) & AREA CALCULATION.

PROJ. NO.

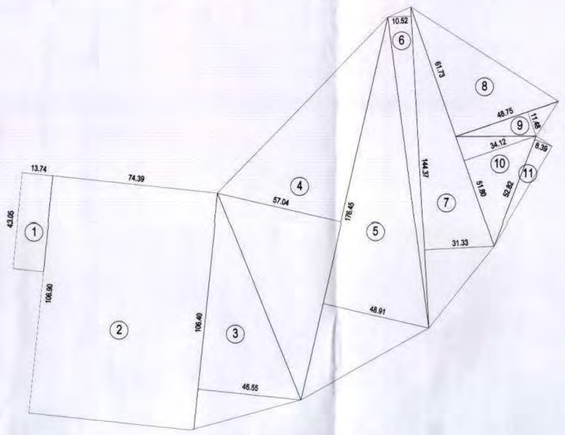
DEALT	CHECKED	APPROVED	DRG. NO.
			R - 3 / 23

NAME, ADD. & SIGN OF ARCHITECT

SURENDRA PRABHU
REG NO. CA - 85/9358
Plot No.C-30,Block 'G' Opp.SIDBI Bandra Kurla Complex, Bandra (E) Mumbai - 400 051.

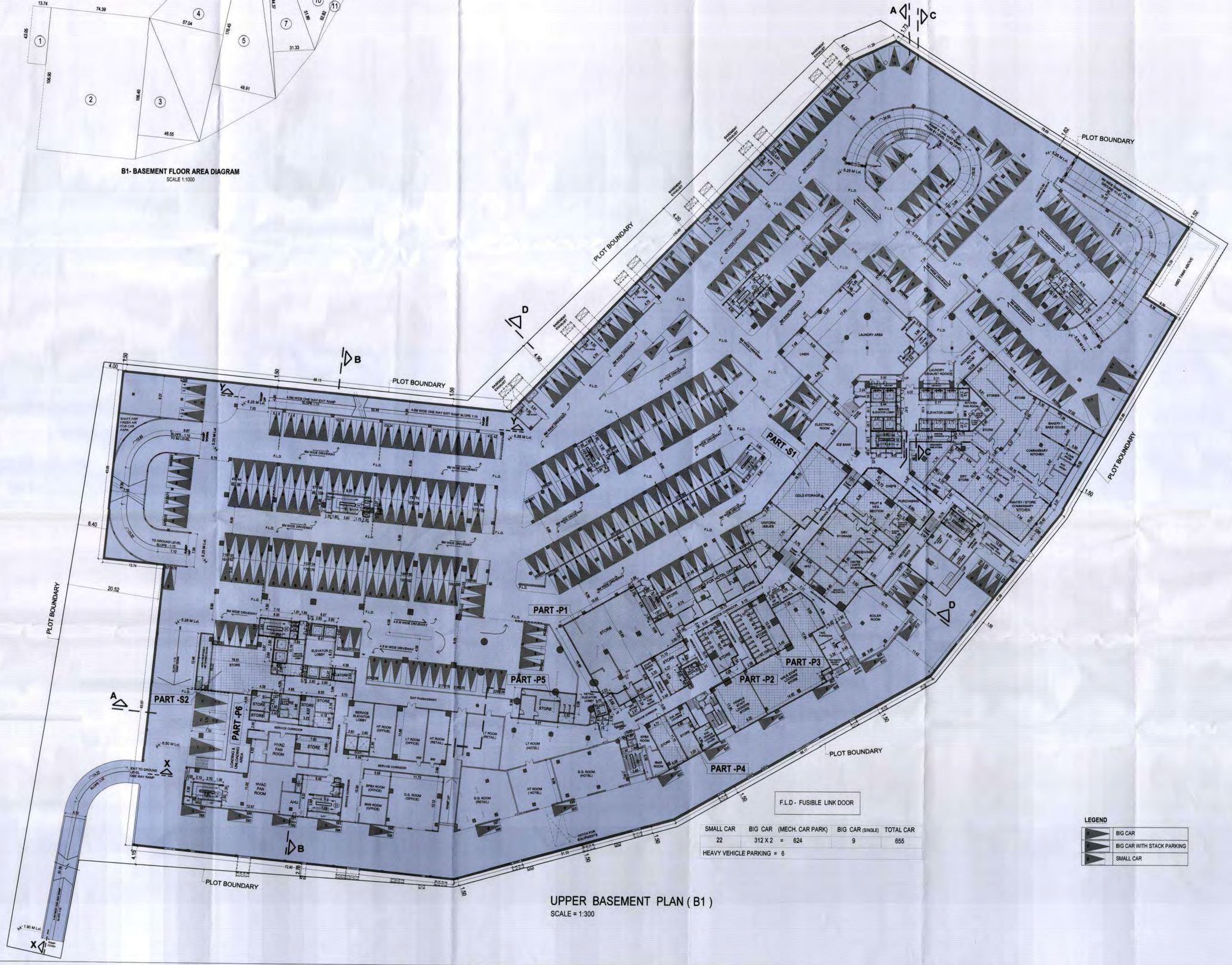
CONSULTING ARCHITECT

KAPADIA ASSOCIATES PVT.LTD.
112-114, PENINSULA CENTER, DR. S.S. RAO ROAD, OFF. AMBEDKAR ROAD, PAREL (EAST), MUMBAI 400 012.
TEL : 91-22-39802255/56 FAX : 91-22-59002844



B1- BASEMENT FLOOR AREA DIAGRAM

SCALE 1:1000



F.L.D - FUSIBLE LINK DOOR

SMALL CAR	BIG CAR	(MECH. CAR PARK)	BIG CAR (SINGLE)	TOTAL CAR
22	312 X 2 =	624	9	655
HEAVY VEHICLE PARKING = 6				

LEGEND

	BIG CAR
	BIG CAR WITH STACK PARKING
	SMALL CAR

UPPER BASEMENT PLAN (B1)

SCALE = 1:300

FILE NO.	CE/8673/WS/AK
	R - 4 / 23
CONTENTS OF SHEETS	UPPER BASEMENT PLAN (B1) , & BASEMENT FLOOR AREA CALCULATION.
	' WING - A ' OCCUPATION DRAWINGS.

PROFORMA - B

ACCEPTED AS COMPLETION PLANS AS PER THIS OFFICE LETTER UNDER NO. CE/8673/WS/AK

DIGITAL SIGN OF APPROVAL OF PLANS

Athare Dipak Sureshrao
SUB.-ENG. (B.P.) WS-I/KEC

Sanjay Uttamrao Borse
Asst. ENG. (B.P.) WS-I/KE

Prakash Rajaram Rasal
Ex. ENG. (B.P.) WS-I/K

NAME & SIGN OF OWNER :

Neel Raheja
CHALET HOTELS PRIVATE LIMITED
REGD OFF : RAHEJA TOWER, PLOT NO. C-30, BLOCK - G, NEXT TO BANK OF BARODA, BANDRA KURLA COMPLEX, BANDRA (E), MUMBAI 400 051

N
NORTH

REV.	DATE	DESCRIPTION	DRAWN	APPROVED

PROJECT :
PROPOSED HOTEL COMPLEX (BLDG. NO.2) ON PLOT BEARING C.T.S. NO. 1483 / D OF VILLAGE MAROL, ANDHERI (EAST), MUMBAI.
THIS IS FULL OCC. & BCC.

SCALE : 1 : 300

DATE :

TITLE : UPPER BASEMENT PLAN (B1) & BASEMENT FLOOR AREA CALCULATION.

PROJ. NO.

DEALT	CHECKED	APPROVED	DRG. NO.
			R - 4 / 23

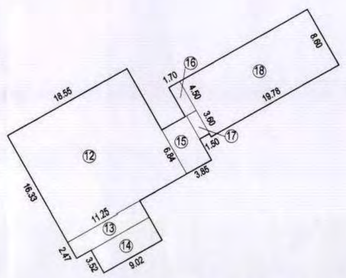
NAME, ADD. & SIGN OF ARCHITECT

SURENDRA PRABHU
REG NO. CA - 85/9358
Plot No-C-30,Block 'G',Opp BSDB Bandra Kurla Complex, Bandra (E) Mumbai - 400 051.

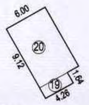
CONSULTING ARCHITECT

KAPADIA ASSOCIATES PVT.LTD.
112-114, PENINSULA CENTER, DR. S.S.RAO ROAD, OFF. AMBEDKAR ROAD, PAREL EAST, MUMBAI 400 012.
TEL. 91-22-66602626/29 FAX. 91-22-66602644

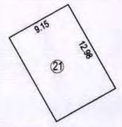
FILE NO.	R - 5 / 23
CE/8673/WS/AK	
CONTENTS OF SHEETS	
UPPER BASEMENT PLAN (B1) , STORES & F.S.I. AREA CALCULATION.	
' WING - A ' OCCUPATION DRAWINGS.	



BASEMENT PART -P1, STORE AREA DIAGRAM

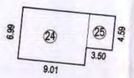


BASEMENT PART -P2,
STORE AREA DIAGRAM

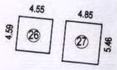


BASEMENT PART -P3,
STORE AREA DIAGRAM

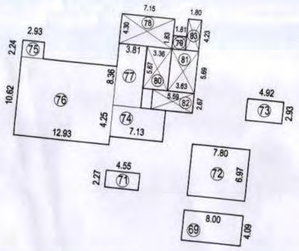
BASEMENT PART -P4,
STORE AREA DIAGRAM



BASEMENT PART -P5,
STORE AREA DIAGRAM



BASEMENT PART -P6,
STORE AREA DIAGRAM

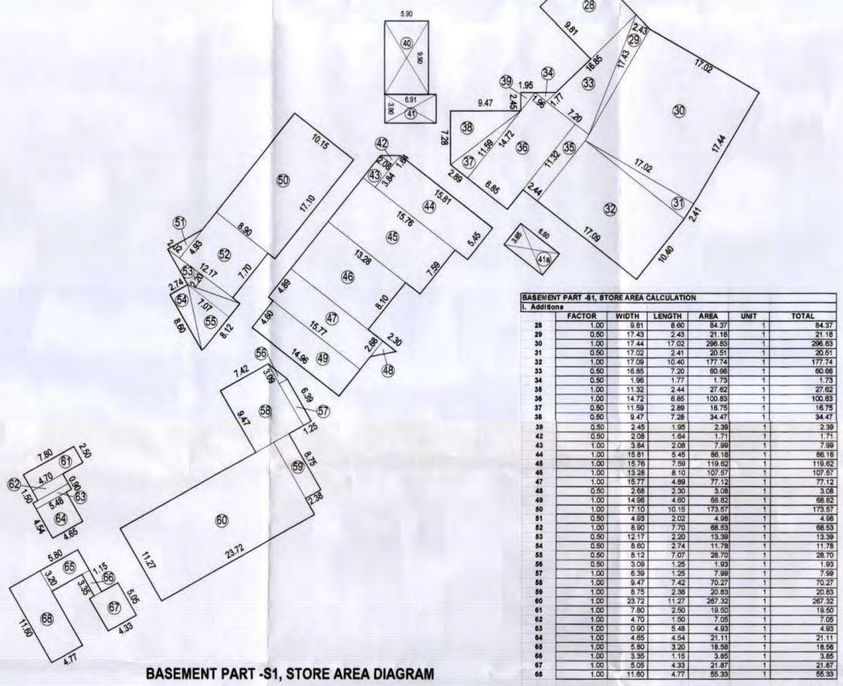


BASEMENT PART -S2, STORE AREA DIAGRAM

BASEMENT PART -S2, STORE AREA CALCULATION						
I. Additions						
	FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
69	1.00	4.09	8.00	32.74	1	32.74
71	1.00	4.55	2.27	10.33	1	10.33
72	1.00	7.80	6.97	54.37	1	54.37
73	1.00	4.92	2.93	14.42	1	14.42
74	1.00	7.13	4.25	30.30	1	30.30
75	1.00	2.93	2.24	6.56	1	6.56
76	1.00	10.62	12.93	137.32	1	137.32
77	1.00	8.38	3.81	31.85	1	31.85
TOTAL						317.88
TOTAL BASEMENT PART -S2, STORE AREA =						317.88

BASEMENT PART -S2, STAIRCASE, LIFT, LOBBY AREA CALCULATION						
II. ADDITION						
	FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
78	1.00	7.15	4.30	30.75	1	30.75
79	1.00	1.81	1.83	3.31	1	3.31
80	1.00	3.36	5.67	19.05	1	19.05
81	1.00	3.63	5.69	20.65	1	20.65
82	1.00	5.59	2.67	14.93	1	14.93
83	1.00	1.80	4.23	7.61	1	7.61
TOTAL LOBBY & STAIRCASE						96.30
TOTAL AREA BASEMENT PART - S2,	317.88	+	96.30			414.18

B1- BASEMENT FLOOR STORES & F.S.I. AREA DIAGRAM
SCALE 1:500



BASEMENT PART -S1, STORE AREA DIAGRAM

BASEMENT PART -S1, STORE AREA CALCULATION						
I. Additions						
	FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
28	1.00	9.81	8.60	84.37	1	84.37
29	0.50	17.43	2.43	21.18	1	21.18
30	1.00	17.44	17.02	296.83	1	296.83
31	0.50	17.02	2.41	20.51	1	20.51
32	1.00	17.09	10.40	177.74	1	177.74
33	0.50	16.85	7.20	60.66	1	60.66
34	0.50	1.96	1.77	1.73	1	1.73
35	1.00	11.32	2.44	27.62	1	27.62
36	1.00	14.72	6.85	100.83	1	100.83
37	0.50	11.59	2.89	16.75	1	16.75
38	0.50	9.47	7.28	34.47	1	34.47
39	0.50	2.45	1.95	2.39	1	2.39
42	0.50	2.08	1.64	1.71	1	1.71
43	1.00	3.84	2.08	7.99	1	7.99
44	1.00	15.81	5.45	86.18	1	86.18
45	1.00	15.76	7.59	119.62	1	119.62
46	1.00	13.28	8.10	107.57	1	107.57
47	1.00	15.77	4.89	77.12	1	77.12
48	0.50	2.68	2.30	3.08	1	3.08
49	1.00	14.96	4.60	68.82	1	68.82
50	1.00	17.10	10.15	173.57	1	173.57
51	0.50	4.93	2.02	4.98	1	4.98
52	1.00	8.90	7.70	68.53	1	68.53
53	0.50	12.17	2.20	13.39	1	13.39
54	0.50	8.60	2.74	11.78	1	11.78
55	0.50	8.12	7.07	28.70	1	28.70
56	0.50	3.09	1.25	1.93	1	1.93
57	1.00	6.39	1.25	7.99	1	7.99
58	1.00	9.47	7.42	70.27	1	70.27
59	1.00	8.75	2.38	20.83	1	20.83
60	1.00	23.72	11.27	267.32	1	267.32
61	1.00	7.80	2.50	19.50	1	19.50
62	1.00	4.70	1.50	7.05	1	7.05
63	1.00	0.90	5.48	4.93	1	4.93
64	1.00	4.85	4.54	21.11	1	21.11
65	1.00	5.80	3.20	18.56	1	18.56
66	1.00	3.35	1.15	3.85	1	3.85
67	1.00	5.05	4.33	21.87	1	21.87
68	1.00	11.60	4.77	55.33	1	55.33
TOTAL						2,138.62
TOTAL BASEMENT PART -S1, STORE AREA =						2,138.62

BASEMENT PART -S1, STAIRCASE, LIFT, LOBBY AREA CALCULATION						
II. ADDITION						
	FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
40	1.00	5.90	9.90	58.41	1	58.41
41	1.00	6.91	3.90	26.95	1	26.95
41a	1.00	6.60	3.65	24.09	1	24.09
TOTAL LOBBY & STAIRCASE						109.45
TOTAL AREA BASEMENT PART -S1	2,138.62	+	109.45			2,248.06

TOTAL BASEMENT STORE AREA CALCULATION
PART S1 + PART S2 + PART P1 + PART P2 + PART P3 + PART P4 + PART P5 + PART P6 =
2248.06 + 414.18 + 571.95 + 61.71 + 118.77 + 35.53 + 79.04 + 47.37 = 3576.61 Sq. mt.

PROFORMA - B

ACCEPTED AS COMPLETION PLANS AS PER THIS OFFICE LETTER UNDER NO. CE/8673/WS/AK

DIGITAL SIGN OF APPROVAL OF PLANS

Athare Dipak Sureshrao
SUB.-ENG. (B.P.) WS-I/KEC

Sanjay Uttamrao Borse
Asst. ENG. (B.P.) WS-I/KE

Prakash Rajaram Rasal
Ex. ENG. (B.P.) WS-I/K

NAME & SIGN OF OWNER :

Neel Raheja
CHALET HOTELS PRIVATE LIMITED
1650 OFF : NAHEJA TOWER, PLOT NO. C-40,
BLOCK - G, NEXT TO BANK OF BARODA, BANDRA-KURLA COMPLEX, BANDRA (E), MUMBAI-400 051

N
NORTH

REV.	DATE	DESCRIPTION	DRAWN	APPROVED

PROJECT :
PROPOSED HOTEL COMPLEX (BLDG. NO.2) ON PLOT BEARING C.T.S. NO. 1483 / D OF VILLAGE MAROL, ANDHERI (EAST), MUMBAI.
THIS IS FULL OCC & BOC

SCALE : 1:500
DATE :
PROJ. NO.

TITLE : UPPER BASEMENT PLAN (B1) , STORES & F.S.I. AREA CALCULATION.

DEALT	CHECKED	APPROVED	DRG. NO.
			R - 5 / 23

NAME, ADD. & SIGN OF ARCHITECT

SURENDRA PRABHU
REG NO: CA - 89/9398
Plot No.C-30,Block 'G',Opp.BDBI Bandra Kurla Complex, Bandra (E) Mumbai - 400 051.

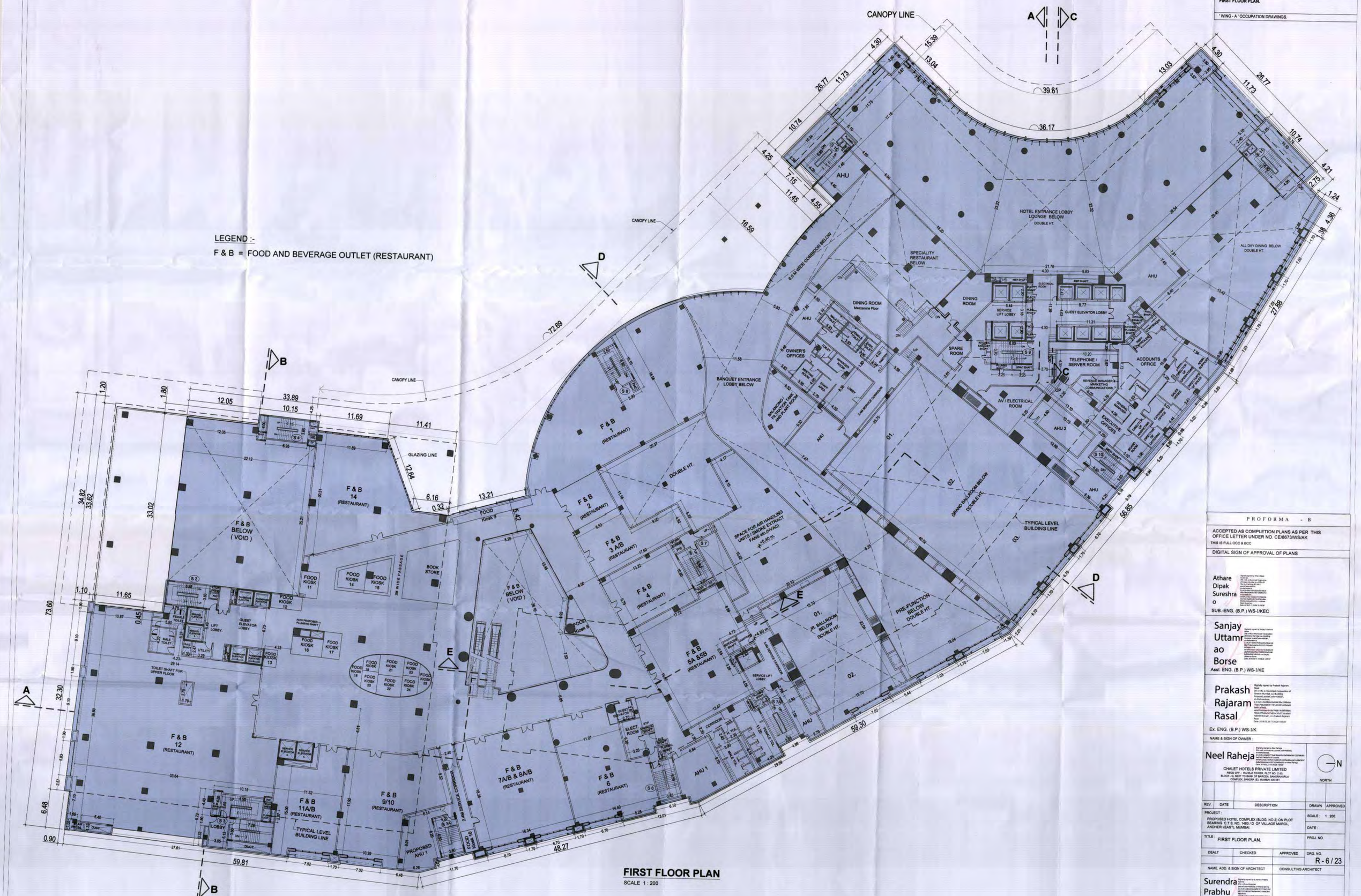
CONSULTING ARCHITECT

KAPADIA ASSOCIATES PVT.LTD.
112-114, PENINSULA CENTER, DR. S.S RAO ROAD, OFF. AMBEDKAR ROAD, PAREL EAST, MUMBAI- 400 012
TEL: 91-22-66620808/09 FAX: 91-22-66620944

FILE NO.	
CE/8673/WS/AK	R - 6 / 23
CONTENTS OF SHEETS	
FIRST FLOOR PLAN.	
' WING - A ' OCCUPATION DRAWINGS.	

LEGEND :-

F & B = FOOD AND BEVERAGE OUTLET (RESTAURANT)



FIRST FLOOR PLAN

SCALE 1 : 200

PROFORMA - B

ACCEPTED AS COMPLETION PLANS AS PER THIS OFFICE LETTER UNDER NO. CE/8673/WS/AK

THIS IS FULL OCC & BCC

DIGITAL SIGN OF APPROVAL OF PLANS

Athare Dipak Sureshrao
SUB.-ENG. (B.P.) WS-I/KEC.

Sanjay Uttamrao Borse
Asst. ENG. (B.P.) WS-I/KE

Prakash Rajaram Rasal
Ex. ENG. (B.P.) WS-I/K

NAME & SIGN OF OWNER :

Neel Raheja
CHALET HOTELS PRIVATE LIMITED
REGD OFF. : RAHEJA TOWER, PLOT NO. C-30, BLOCK - G, NEXT TO BANK OF BARODA, BANDRAKURLA COMPLEX, BANDRA (E), MUMBAI 400 051

N
NORTH

REV.	DATE	DESCRIPTION	DRAWN	APPROVED

PROJECT : PROPOSED HOTEL COMPLEX (BLDG. NO.2) ON PLOT BEARING C.T.S. NO. 1453 / D OF VILLAGE MAROL, ANDHERI (EAST), MUMBAI

SCALE : 1 : 200

DATE :

TITLE : FIRST FLOOR PLAN.

PROJ. NO.

DEALT	CHECKED	APPROVED	DRG. NO.
			R - 6 / 23

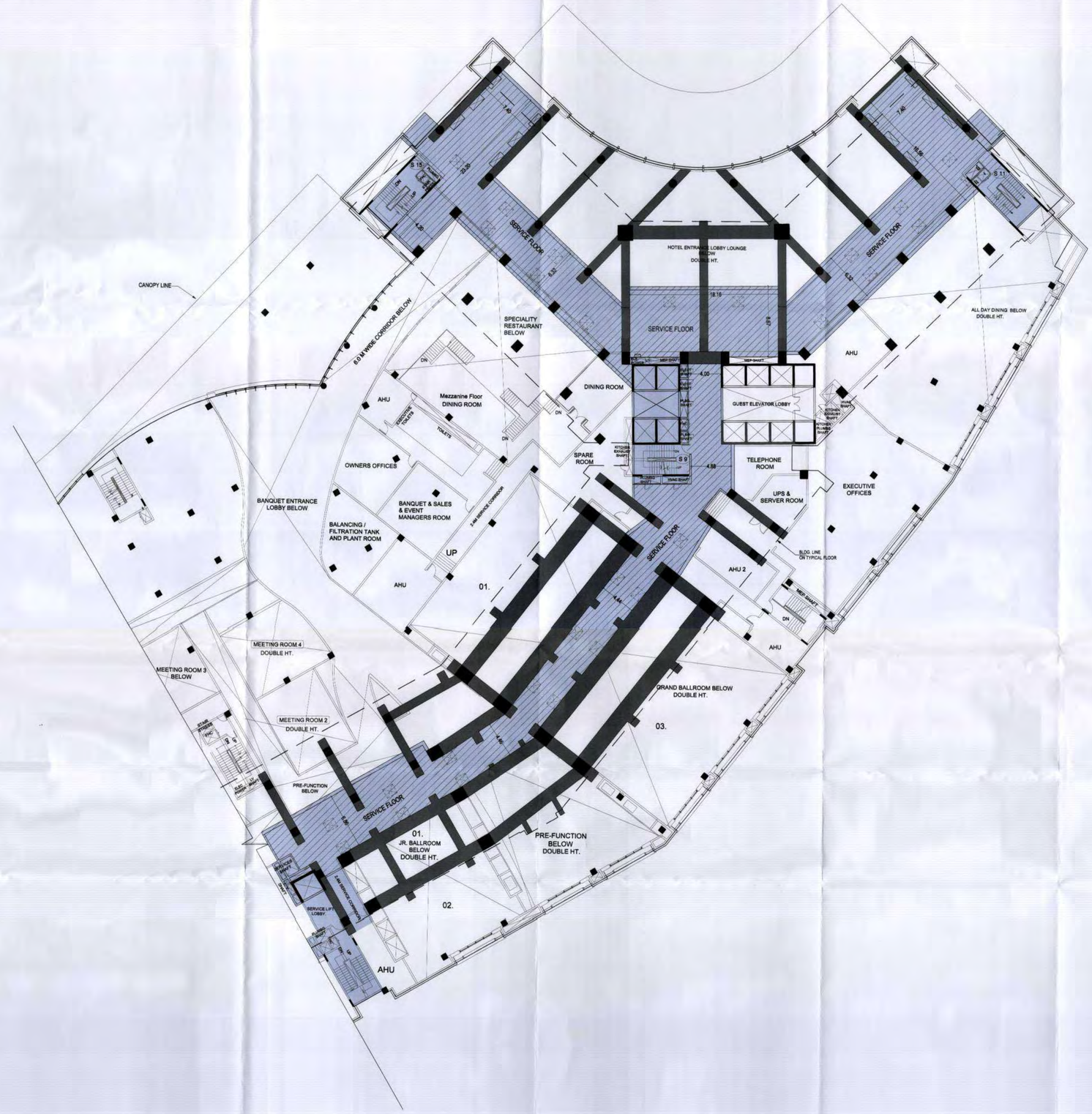
NAME, ADD. & SIGN OF ARCHITECT

SURENDRA PRABHU
REG NO. CA - 85/9/36
Plot No.C-30,Block 'G' Opp.BSNB; Bandra Kurla Complex, Bandra (E) Mumbai - 400 051.

CONSULTING ARCHITECT

KAPADIA ASSOCIATES PVT.LTD.
112-114, PENINSULA CENTER, DR. S.R.DO ROAD, OFF. AMBEDKAR ROAD, PAREL EAST, MUMBAI 400 012.
TEL. 91-22-69602800/30 FAX: 91-22-69602844

FILE NO.	
CE/8673/WS/AK	R - 7 / 23
CONTENTS OF SHEETS	
SERVICE FLOOR PLAN.	
' WING - A ' OCCUPATION DRAWINGS.	



PROFORMA - B
ACCEPTED AS COMPLETION PLANS AS PER THIS OFFICE LETTER UNDER NO. CE/8673/WS/AK THIS IS FULL OCC & BCC
DIGITAL SIGN OF APPROVAL OF PLANS
Athare Dipak Sureshrao SUB.-ENG. (B.P.) WS-I/KEC
Sanjay Uttamrao Borse Asst. ENG. (B.P.) WS-I/KE
Prakash Rajaram Rasal Ex. ENG. (B.P.) WS-I/K
NAME & SIGN OF OWNER :
Neel Raheja CHALET HOTELS PRIVATE LIMITED REGD OFF. : RAHEJA TOWER, PLOT NO. C-30, BLOCK - G, NEXT TO BANK OF BARODA, BANDRA KURLA COMPLEX, BANDRA (E) MUMBAI 400 051 N NORTH

REV.	DATE	DESCRIPTION	DRAWN	APPROVED

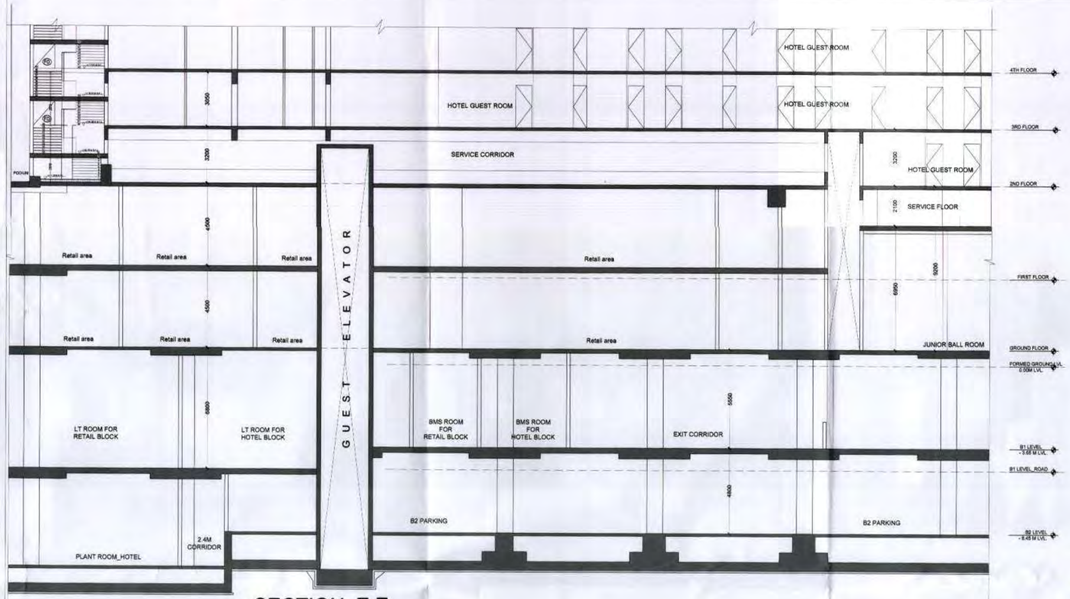
PROJECT : PROPOSED HOTEL COMPLEX (BLDG. NO.2) ON PLOT BEARING C.T.S. NO. 1483 / O OF VILLAGE MAROL ANDHERI (EAST), MUMBAI.	SCALE : 1 : 200 DATE :
TITLE : SERVICE FLOOR PLAN.	PROJ. NO.

DEALT	CHECKED	APPROVED	DRG. NO.
			R - 7 / 23

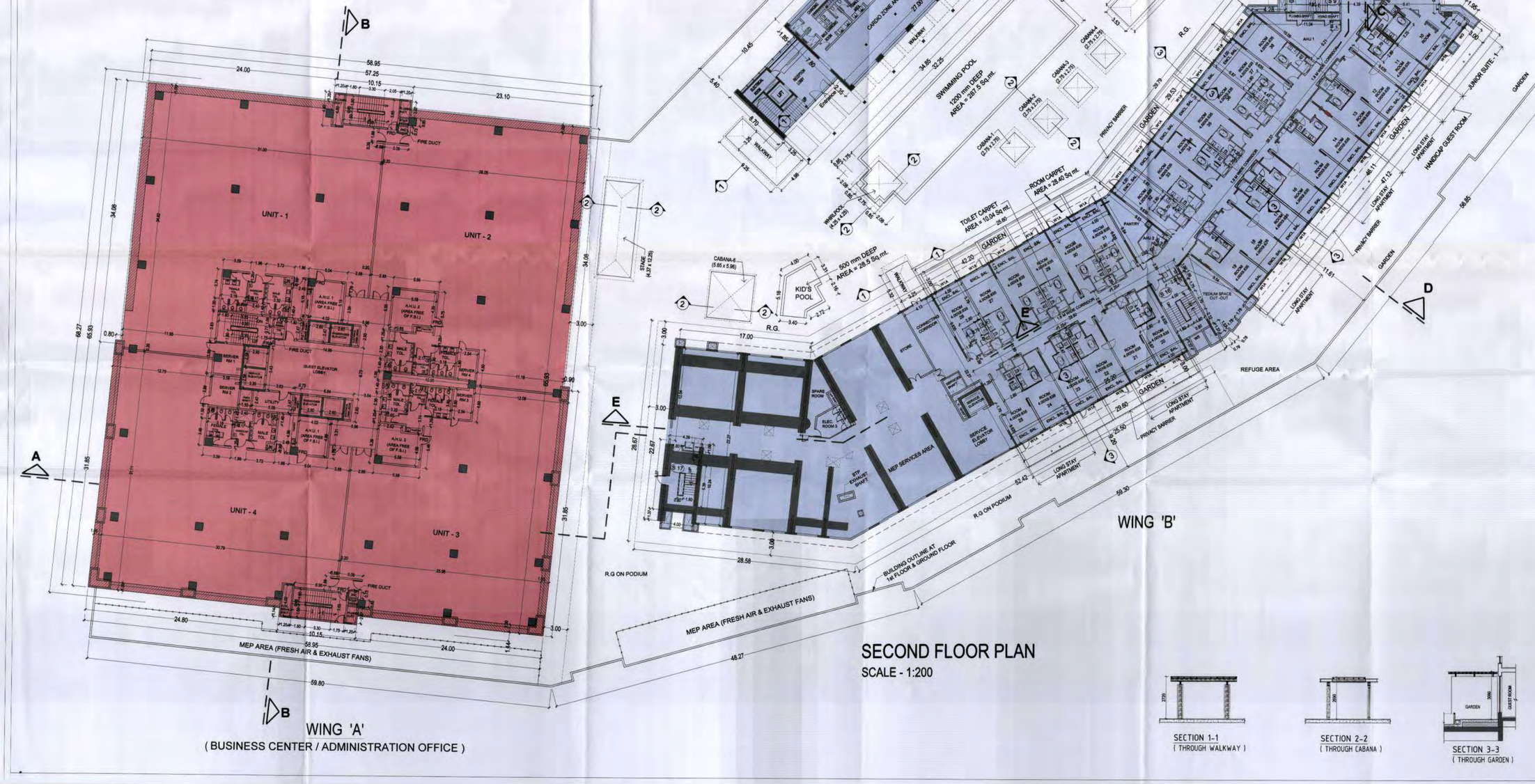
NAME, ADD. & SIGN OF ARCHITECT	CONSULTING ARCHITECT
Surendra Prabhu Palimar SURENDRA PRABHU REG NO. CA - 95/9356 Plot No-C-30,Block 'G' Opp.BIDBI Bandra Kurla Complex, Bandra (E) Mumbai - 400 051	KAPADIA ASSOCIATES PVT.LTD. 112-114, PENINSULA CENTER, DR. S.S.RAO ROAD, OFF. AMBEDKAR ROAD, PAREL EAST, MUMBAI 400 012. TEL. 91-22-66602626/39 FAX 91-22-66602644

W1 - FULLY GLAZED FIXED WINDOW - SIZE - 2800MM X 2400MM
W1A - SAME AS W1 (WITH OPENABLE DOOR)
W2 - FULLY GLAZED FIXED WINDOW - SIZE - 5600MM X 2400MM
W3 - PARTLY OPENABLE PARTLY FIXED WINDOW - SIZE - 2800MM X 2400MM
W4 - PARTLY OPENABLE PARTLY FIXED WINDOW - SIZE - 1500MM X 2400MM
W5 - PARTLY OPENABLE PARTLY FIXED WINDOW - SIZE - 1500MM X 1500MM

FILE NO.
CE/8673/WS/AK
R - 8 / 23
CONTENTS OF SHEETS
SECOND FLOOR PLAN.
' WING - A ' OCCUPATION DRAWINGS.



SECTION E E
SCALE - 1:125



SECOND FLOOR PLAN
SCALE - 1:200

SECTION 1-1
(THROUGH WALKWAY)

SECTION 2-2
(THROUGH CABANA)

SECTION 3-3
(THROUGH GARDEN)

THIS IS FULL OCC & BCC

PROFORMA - B

ACCEPTED AS COMPLETION PLANS AS PER THIS OFFICE LETTER UNDER NO. CE/8673/WS/AK

DIGITAL SIGN OF APPROVAL OF PLANS

Athare Dipak Sureshrao
SUB.-ENG. (B.P.) WS-I/KEC

Sanjay Uttamrao Borse
Asst. ENG. (B.P.) WS-I/KE

Prakash Rajaram Rasal
Ex. ENG. (B.P.) WS-I/K

NAME & SIGN OF OWNER :

Neel Raheja
CHALET HOTELS PRIVATE LIMITED
REGD OFF. : RAHEJA TOWER, PLOT NO. C-30, BLOCK - G, NEXT TO BANK OF BARODA, BANDRA-KURLA COMPLEX, BANDRA (E), MUMBAI 400 051

N
NORTH

REV.	DATE	DESCRIPTION	DRAWN	APPROVED

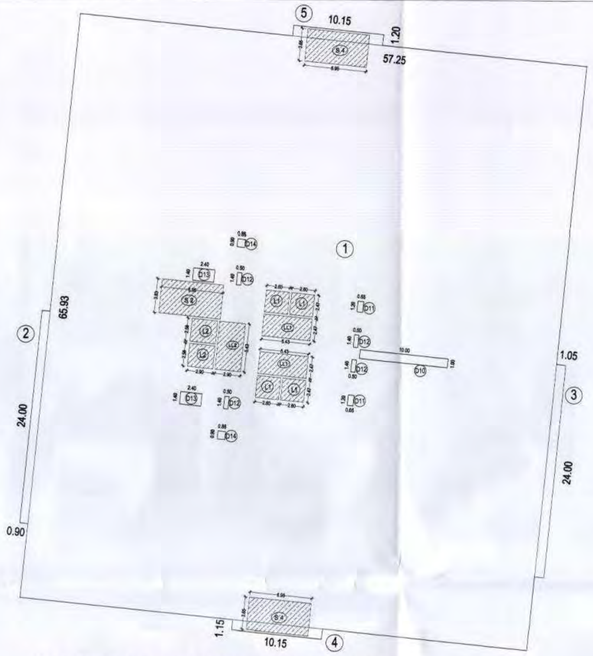
PROJECT :
PROPOSED HOTEL COMPLEX (BLDG. NO.2) ON PLOT BEARING C.T.S. NO. 1483 / D OF VILLAGE MAROL, ANDHERI (EAST), MUMBAI.
SCALE : 1 : 200
DATE :

TITLE : SECOND FLOOR PLAN.
PROJ. NO.

DEALT	CHECKED	APPROVED	DRG. NO.
			R - 8 / 23

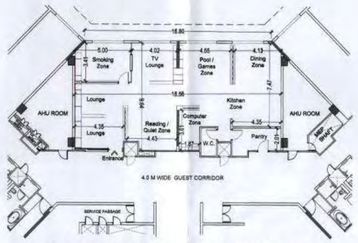
NAME, ADD. & SIGN OF ARCHITECT
Surendra Prabhu Palimar
SURENDRA PRABHU
REG NO. CA - 65/9356
Plot No C-30,Block 'G' Opp BSNL Bandra Kurla Complex, Bandra (E) Mumbai - 400 051.

CONSULTING ARCHITECT
KAPADIA ASSOCIATES PVT. LTD.
112-114, PENINSULA CENTER, DR. S.S.RAO ROAD, OFF. AMBEDKAR ROAD, PAREL EAST, MUMBAI 400 012.
TEL. 91-22-66602626/39 FAX. 91-22-66602644

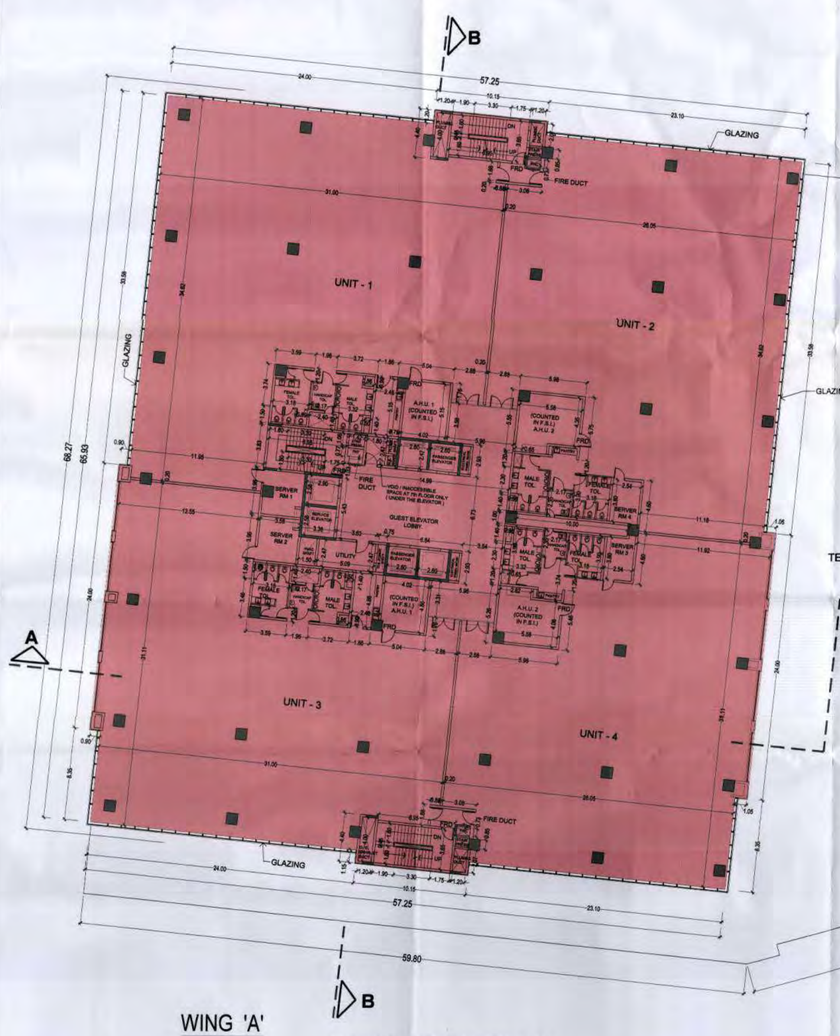


3RD, 4TH, 5TH & 7TH **FLOOR AREA DIAGRAM OF WING 'A'**
SCALE 1 : 250

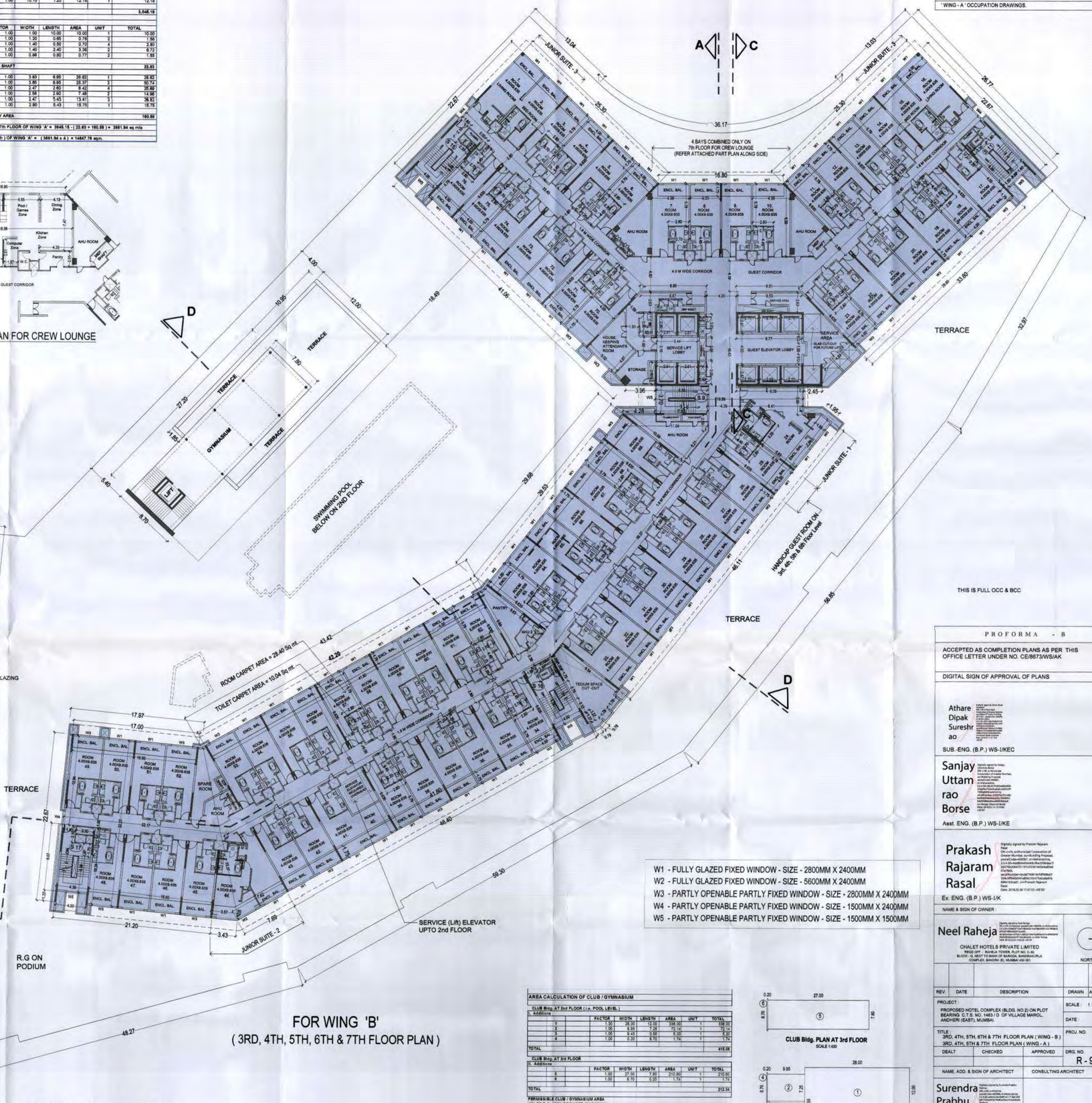
3rd, 4th, 5th & 7th FLOOR F.A.R. CALCULATION FOR WING 'A'								
I. Additions								
			FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
	1		1.00	65.93	57.25	3774.49	1	3,774.49
	2		1.00	24.00	0.90	21.60	1	21.60
	3		1.00	24.00	1.05	25.20	1	25.20
	4		1.00	10.15	1.15	11.67	1	11.67
	5		1.00	10.15	1.20	12.18	1	12.18
TOTAL								3,846.16
II. Deductions								
			FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
	D10	CUTOUT	1.00	1.00	10.00	10.00	1	10.00
	D11	CUTOUT	1.00	1.20	0.65	0.78	2	1.56
	D12	CUTOUT	1.00	1.40	0.50	0.70	4	2.80
	D13	CUTOUT	1.00	1.40	2.40	3.36	2	6.72
	D14	CUTOUT	1.00	0.86	0.90	0.77	2	1.55
TOTAL AREA OF TOILET DUCT / VENTILATION SHAFT								22.63
	S2	STAIR	1.00	3.63	6.95	39.60	1	39.60
	S4	STAIR	1.00	3.85	6.95	25.37	2	50.74
	L1	LIFT	1.00	2.47	2.60	6.42	4	25.68
	L2	LIFT	1.00	2.56	2.90	7.46	2	14.90
	LL1	LIFT LOBBY	1.00	2.47	5.43	13.41	3	26.83
	LL2	LIFT LOBBY	1.00	2.90	5.43	15.75	1	15.75
TOTAL PROPOSED STAIRCASE & LIFT LOBBY AREA								165.50
TOTAL PROPOSED B.U.A FOR 3rd, 4th, 5th & 7th FLOOR OF WING 'A' = 3846.16 - (22.63 + 165.50) = 3661.94 sq mts								
TOTAL BUA OF 5 FLOORS (3rd, 4th, 5th & 7th) OF WING 'A' = (3661.94 x 4) = 14647.76 sqm.								



7th FLOOR PART PLAN FOR CREW LOUNGE
SCALE - 1:200



WING 'A'
(3RD, 4TH, 5TH & 7TH FLOOR PLAN)
(BUSINESS CENTER / ADMINISTRATION OFFICE)

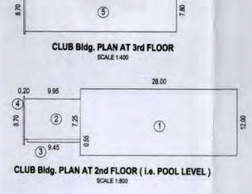


FOR WING 'B'
(3RD, 4TH, 5TH, 6TH & 7TH FLOOR PLAN)

TYPICAL FLOOR PLAN
SCALE - 1:200

W1 - FULLY GLAZED FIXED WINDOW - SIZE - 2800MM X 2400MM
W2 - FULLY GLAZED FIXED WINDOW - SIZE - 5600MM X 2400MM
W3 - PARTLY OPENABLE PARTLY FIXED WINDOW - SIZE - 2800MM X 2400MM
W4 - PARTLY OPENABLE PARTLY FIXED WINDOW - SIZE - 1500MM X 2400MM
W5 - PARTLY OPENABLE PARTLY FIXED WINDOW - SIZE - 1500MM X 1500MM

AREA CALCULATION OF CLUB / GYMNASIUM								
CLUB Bldg. AT 2nd FLOOR (i.e. POOL LEVEL)								
II. Additions								
			FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
		1		1.00	24.00	12.00	336.00	1	336.00
		2		1.00	9.95	7.25	72.14	1	72.14
		3		1.00	9.45	0.66	6.20	1	6.20
		4		1.00	0.20	8.70	1.74	1	1.74
TOTAL									415.08
CLUB Bldg. AT 3rd FLOOR								
II. Additions								
			FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
		5		1.00	27.00	7.80	210.60	1	210.60
		6		1.00	8.70	0.20	1.74	1	1.74
TOTAL									212.34
PERMISSIBLE CLUB / GYMNASIUM AREA 15% OF R.G. AREA PROVIDED ON PODIUM i.e. 15% OF 4200.18 sq mts = 630.03 sq mts								
TOTAL PROPOSED B.U.A FOR CLUB / GYMNASIUM (I + II) = (415.08 + 212.34) = 627.42 sq mts								
PERMISSIBLE PLINTH AREA = 425.02 sq mts								
PROPOSED PLINTH AREA = 415.08 sq mts								



CLUB Bldg. PLAN AT 3rd FLOOR
SCALE 1:400

CLUB Bldg. PLAN AT 2nd FLOOR (i.e. POOL LEVEL)
SCALE 1:800

FILE NO.	R - 9 / 23
CE/8673/WS/AK	
CONTENTS OF SHEETS	
3RD, 4TH, 5TH, 6TH & 7TH FLOOR PLAN (WING - B) 3RD, 4TH, 5TH & 7TH FLOOR PLAN (WING - A) ' WING - A ' OCCUPATION DRAWINGS.	

THIS IS FULL OCC & BCC

PROFORMA - B

ACCEPTED AS COMPLETION PLANS AS PER THIS OFFICE LETTER UNDER NO. CE/8673/WS/AK

DIGITAL SIGN OF APPROVAL OF PLANS

Athare Dipak Sureshrao
SUB.-ENG. (B.P.) WS-I/KEC

Sanjay Uttamrao Borse
Asst. ENG. (B.P.) WS-I/KE

Prakash Rajaram Rasal
Ex. ENG. (B.P.) WS-I/K

NAME & SIGN OF OWNER :

Neel Raheja
CHALET HOTELS PRIVATE LIMITED
REGD OFF. : RAHEJA TOWER, PLOT NO. C-30, BLOCK - G, NEXT TO BANK OF BARODA, BANDRA-KURLA COMPLEX, BANDRA (E), MUMBAI-400 051.

N
NORTH

REV.	DATE	DESCRIPTION	DRAWN	APPROVED

PROJECT :
PROPOSED HOTEL COMPLEX (BLDG. NO.2) ON PLOT BEARING C.T.S. NO. 1483 / D OF VILLAGE MAROL, ANDHERI (EAST), MUMBAI.

SCALE : 1 : 200
DATE :
PROJ. NO.

TITLE
3RD, 4TH, 5TH, 6TH & 7TH FLOOR PLAN (WING - B)
3RD, 4TH, 5TH & 7TH FLOOR PLAN (WING - A)

DEALT	CHECKED	APPROVED	DRG. NO.
			R - 9 / 23

NAME, ADD. & SIGN OF ARCHITECT

Surendra Prabhu Palimar
SURENDRA PRABHU
REG NO. CA - 85/8308
Plot No.C-30,Block 'G' Opp.BCIB, Bandra Kurla Complex, Bandra (E) Mumbai - 400 051.

CONSULTING ARCHITECT

KAPADIA ASSOCIATES PVT. LTD.
112-114, PENINSULA CENTER, DR. S.S.RAO ROAD, OFF. ANNEDKAR ROAD, PAREL EAST, MUMBAI 400 012.
TEL: 91-22-69032828/29 FAX: 91-22-69032844

F.A.R. CALCULATION FOR WING 'B' (PART PORTION OF 8TH FLR.- HOTEL BUILDING)

I. Additions

		FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
1		1.00	22.67	25.30	573.55	1	573.55
2		0.50	12.94	27.61	178.64	1	178.64
3		0.50	3.91	27.61	53.98	1	53.98
4		1.00	27.27	16.80	458.14	1	458.14
5		0.50	27.27	9.41	128.31	1	128.31
6		0.50	7.79	24.14	94.03	1	94.03
7		1.00	25.30	22.67	573.55	1	573.55
8		0.50	10.84	0.55	2.98	1	2.98
9		0.50	10.84	2.10	11.38	1	11.38
10		0.50	0.90	6.25	2.81	1	2.81
11		1.00	3.70	17.66	65.34	1	65.34
12		0.50	22.76	13.66	155.45	1	155.45
13		0.50	16.52	5.55	45.84	1	45.84
14		1.00	22.76	30.32	690.08	1	690.08
15		0.50	4.34	23.10	50.13	2	100.25
16		1.00	1.35	4.42	5.97	1	5.97
17		0.50	0.25	1.38	0.17	2	0.35
18		1.00	1.35	0.83	1.12	1	1.12
19		1.00	0.73	22.67	16.55	1	16.55
TOTAL							3,158.31

DEDUCTION-

II. Ducts, Voids & AHUs

		FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
D10	CUTOUT	1.00	1.20	1.20	1.44	21	30.24
D10a	CUTOUT	1.00	1.70	1.20	2.04	1	2.04
D11	CUTOUT	1.00	0.50	1.20	0.60	3	1.80
D12	CUTOUT	1.00	2.30	1.00	2.30	3	6.90
D13	CUTOUT	1.00	1.35	1.00	1.35	3	4.05
D14	CUTOUT	1.00	0.85	1.00	0.85	3	2.55
D17	CUTOUT	0.50	1.22	0.96	0.60	1	0.60
D18	CUTOUT	1.00	2.28	1.50	3.42	2	6.84
D19	CUTOUT	1.00	1.62	2.28	3.69	1	3.69
D20	CUTOUT	0.50	0.71	2.40	0.85	1	0.85
D21	CUTOUT	0.50	2.40	0.94	1.13	1	1.13
D22	CUTOUT	1.00	0.90	1.35	1.22	1	1.22
D23	CUTOUT	1.00	1.44	0.90	1.30	3	3.89
D24	CUTOUT	1.00	1.90	0.83	4.90	1	4.90
D24a	CUTOUT	1.00	2.97	0.90	2.67	1	2.67
D25	CUTOUT	1.00	3.25	0.83	2.70	1	2.70
D26	CUTOUT	1.00	0.83	0.83	0.69	1	0.69
D27	CUTOUT	1.00	1.32	0.83	1.10	1	1.10
D28	CUTOUT	0.50	2.94	1.40	2.06	1	2.06
D29	CUTOUT	0.50	3.41	1.40	2.39	1	2.39
D30	CUTOUT	1.00	1.81	0.50	0.91	1	0.91
D30a	CUTOUT	0.50	1.34	0.63	0.42	1	0.42
D31	CUTOUT	1.00	0.90	3.25	2.93	1	2.93
D32	CUTOUT	1.00	3.35	0.90	3.02	1	3.02
D33	CUTOUT	1.00	0.75	1.52	1.14	1	1.14
D34	CUTOUT	1.00	0.90	0.75	0.68	1	0.68
D35	CUTOUT	1.00	0.75	0.18	0.14	1	0.14
D36	CUTOUT	1.00	0.60	0.60	0.36	1	0.36
D37	CUTOUT	0.50	0.15	0.76	0.06	2	0.11
D38	CUTOUT	1.00	2.98	0.78	2.31	1	2.31
D39	CUTOUT	1.00	1.90	0.60	1.14	1	1.14
D40	CUTOUT	1.00	1.20	0.60	0.72	1	0.72
TOTAL							96.16
V1	CUTOUT	1.00	1.92	9.53	18.30	1	18.30
V2	CUTOUT	1.00	3.55	0.77	2.73	1	2.73
V3	CUTOUT	1.00	0.27	1.78	0.48	1	0.48
V4	CUTOUT	1.00	1.78	0.30	0.53	1	0.53
V5	CUTOUT	1.00	1.38	0.57	0.79	1	0.79
V6	CUTOUT	1.00	0.83	0.30	0.25	2	0.50
V6a	CUTOUT	0.50	0.31	0.09	0.01	1	0.01
V6b	CUTOUT	0.50	0.31	0.07	0.01	1	0.01
V7	CUTOUT	0.50	1.29	0.62	0.40	1	0.40
V8	CUTOUT	0.50	0.29	1.29	0.19	1	0.19
V9	CUTOUT	1.00	0.79	1.05	0.83	1	0.83
V10	CUTOUT	0.50	1.29	0.62	0.40	1	0.40
V11	CUTOUT	0.50	4.05	0.29	0.58	1	0.59
V12	CUTOUT	0.50	3.60	10.04	18.07	1	18.07
V13	CUTOUT	1.00	4.00	0.93	3.72	2	7.44
TOTAL							51.26
AHS	AHU RM	0.50	1.63	1.18	0.96	1	0.96
AH6	AHU RM	1.00	2.49	2.00	4.98	1	4.98
AH7	AHU RM	0.50	2.00	0.46	0.46	1	0.46
AH8	AHU RM	0.50	1.79	10.09	9.03	1	9.03
AH9	AHU RM	0.50	5.48	5.01	16.23	1	16.23
AH10	AHU RM	0.50	7.10	1.17	4.15	1	4.15
AH11	AHU RM	0.50	4.26	0.97	2.07	1	2.07
TOTAL PROPOSED AHU AREA							37.88
TOTAL							185.30

III. Deductions (Balcony Area)

		FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
B1	BALCONY	1.00	12.80	1.75	22.40	1	22.40
B2	BALCONY	1.00	29.60	1.75	51.80	1	51.80
B3	BALCONY	1.00	46.11	1.75	80.69	1	80.69
B4	BALCONY	1.00	29.64	1.75	51.87	1	51.87
TOTAL BALCONY AREA							206.76

IV. Deductions (STAIRCASES, LIFTS & LIFT LOBBY Area)

		FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
S9	STAIR	1.00	3.70	6.80	25.16	1	25.16
S11	STAIR	1.00	4.00	6.80	27.20	1	27.20
S11a	STAIR	1.00	1.60	2.10	3.36	1	3.36
S18	STAIR	1.00	4.00	6.80	27.20	1	27.20
S18a	STAIR	1.00	1.60	2.10	3.36	1	3.36
S16	STAIR	1.00	4.00	6.56	26.24	1	26.24
S16a	STAIR	1.00	1.60	2.10	3.36	1	3.36
L5	LIFT	1.00	2.61	2.90	7.57	4	30.28
L6	LIFT	1.00	2.47	2.70	6.67	6	40.01
L7	LIFT	1.00	2.31	2.47	5.71	2	11.41
LL6	LIFT LOBBY	1.00	3.18	5.44	17.30	1	17.30
LL7	LIFT LOBBY	1.00	4.03	8.76	35.38	1	35.38
TOTAL STAIRCASES, LIFTS & LIFT LOBBY AREA							250.26

V. Deductions (REFUGE AREA)

		FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
R1	REFUGE	1.00	3.20	2.42	7.74	1	7.74
R2	REFUGE	0.50	0.73	2.42	0.88	1	0.88
R3	REFUGE	0.50	1.16	2.25	1.31	1	1.31
R4	REFUGE	1.00	1.16	1.45	1.68	1	1.68
R5	REFUGE	1.00	3.70	9.05	33.49	1	33.49
R6	REFUGE	1.00	3.20	6.60	21.12	1	21.12
R7	REFUGE	1.00	6.83	29.20	257.84	1	257.84
R8	REFUGE	1.00	13.44	11.80	158.59	1	158.59
R9	REFUGE	1.00	12.04	4.76	57.35	1	57.35
TOTAL REFUGE AREA							540.00

TOTAL BUA 8TH FLOOR OF WING 'B' = 3158.31 - (185.30 + 206.76 + 250.26 + 540.00) = 1975.99 sqm. (A)
TOTAL AHU AREA PERMISSIBLE @ 3% OF B.U. AREA (A) = 59.28 Sqm.
TOTAL PROPOSED AHU AREA = 37.88 SQMT
PROPOSED AHU AREA IS LESS THAN PERMISSIBLE AHU AREA

(EXECUTIVE LOUNGE AREA)

		FACTOR	WIDTH	LENGTH	AREA	UNIT	TOTAL
E1	Executive Lounge	1.00	10.44	6.60	68.90	1	68.90
E2	Executive Lounge	0.50	9.94	1.90	9.44	2	18.89
E3	Executive Lounge	0.50	12.24	7.35	44.98	2	89.96
E4	Executive Lounge	0.50	1.75	12.11	10.60	2	21.19
E5	Executive Lounge	1.00	16.79	12.11	203.30	1	203.30
E6	Executive Lounge	1.00	4.60	10.44	48.02	1	48.02
E7	Executive Lounge	1.00	3.80	9.94	37.77	1	37.77
E8	Executive Lounge	1.00	2.20	10.44	22.96	1	22.96
TOTAL EXECUTIVE LOUNGE AREA							511.00

EXECUTIVE LOUNGE BUILT-UP AREA = 511.00 sqm. (B)
BUILT-UP AREA FOR PERMISSIBLE BALCONY AREA (A - B) = (1975.99 - 511.00) = 1464.99 Sq. mt.

PERMISSIBLE BALCONY AREA @ 10% OF B.U. AREA = 146.50 sqm. (C)
PROPOSED 8TH FLOOR BALCONY AREA = 206.76 sqm. (D)
EXCESS BALCONY AREA TO BE TAKEN INTO F.S.I. (D - C) = 60.26 sqm. (E)

TOTAL B.U. AREA (PART PORTION OF 8TH FLOOR) FOR WING 'B' (A + E) = 2036.25 sqm. (F)
EXCESS REFUGE AREA NOW COUNTED IN FSI = 36 sqm. (G)

TOTAL B.U. AREA (PART PORTION OF 8TH FLOOR) FOR WING 'B' (F + G) = 2072.25 sqm.

REFUGE AREA CALCULATION

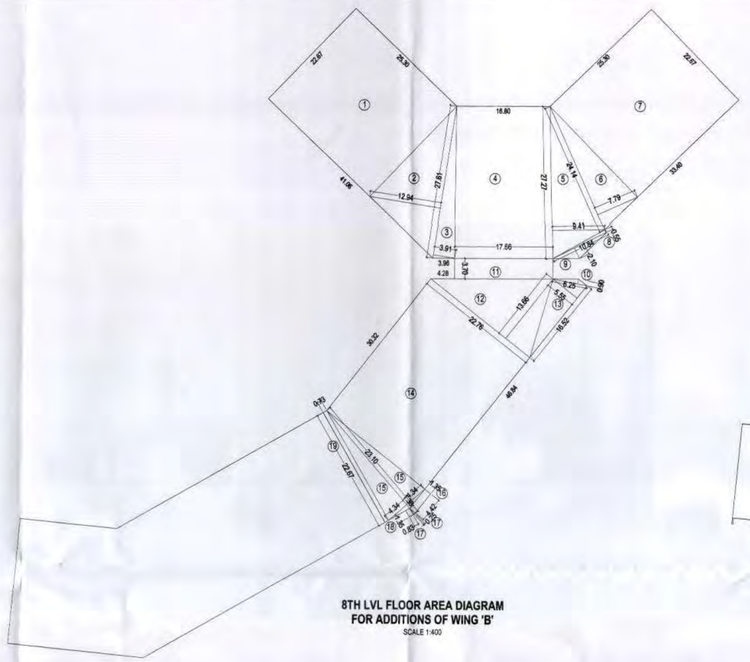
AREA OF 8th floor + 9th floor + 10th floor
= (3507 FSI Area + 280 Stairs, Lift lobby etc. Area) + (3901 FSI Area + 280 Stairs, Lift lobby etc. Area) + (4353 FSI Area + 280 Stairs, Lift lobby etc. Area)
= 3787 sq. mt. + 4181 sq. mt. + 4633 sq. mt.
= 12601 sq. mt.

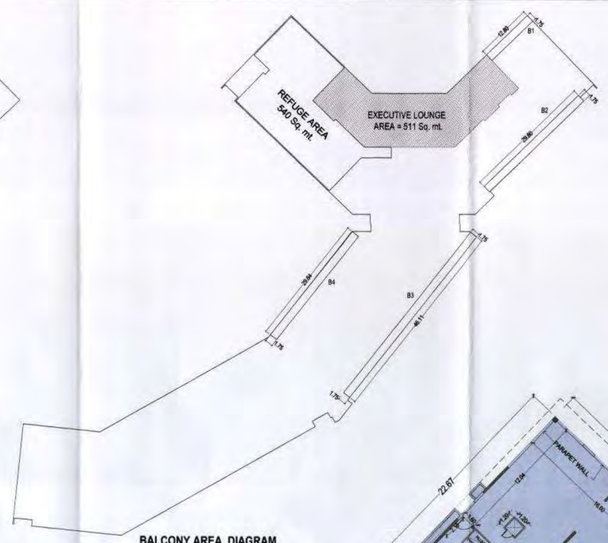
REFUGE AREA REQUIRED = $\frac{12601 \times 4}{100}$

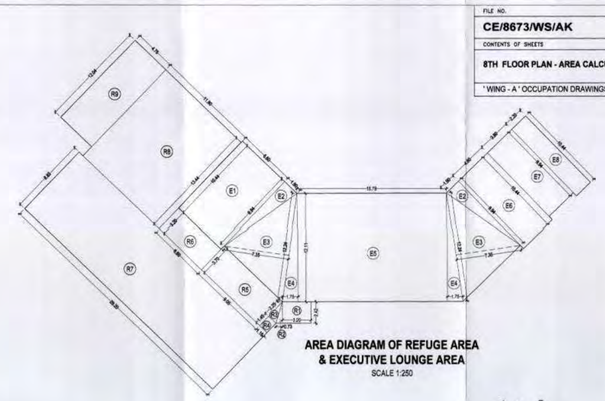
REFUGE AREA REQUIRED = 504.04 sq. mt.

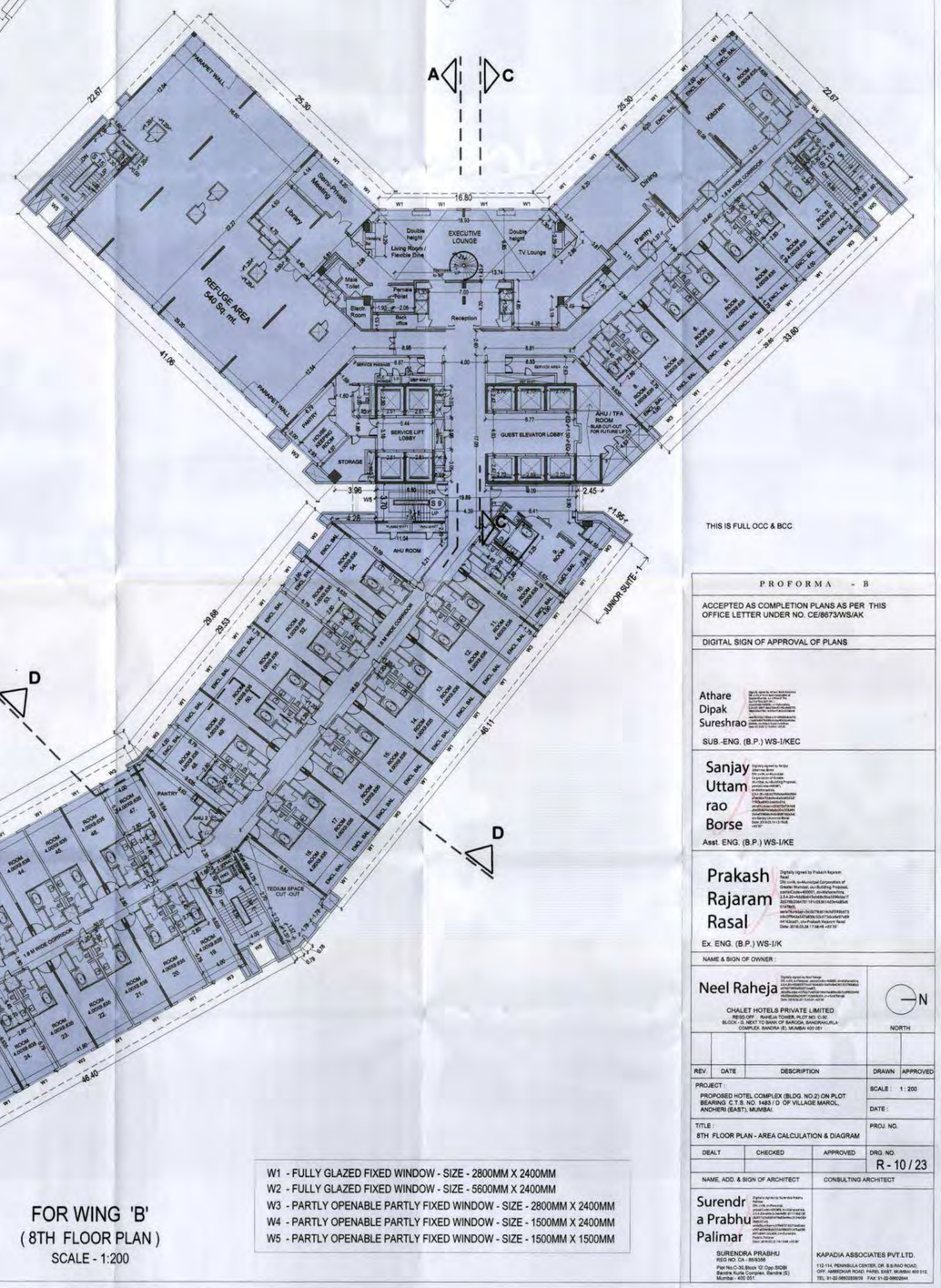
REFUGE AREA PROVIDED = 540 sq. mt.

EXCESS REFUGE AREA NOW COUNTED IN FSI = 540 - 504
= 36 sq. mt.









W1 - FULLY GLAZED FIXED WINDOW - SIZE - 2800MM X 2400MM
W2 - FULLY GLAZED FIXED WINDOW - SIZE - 5600MM X 2400MM
W3 - PARTLY OPENABLE PARTLY FIXED WINDOW - SIZE - 2800MM X 2400MM
W4 - PARTLY OPENABLE PARTLY FIXED WINDOW - SIZE - 1500MM X 2400MM
W5 - PARTLY OPENABLE PARTLY FIXED WINDOW - SIZE - 1500MM X 1500MM

FILE NO.
CE/8673/WS/AK

R -10 / 23

CONTENTS OF SHEETS

8TH FLOOR PLAN - AREA CALCULATION & DIAGRAM.

' WING - A ' OCCUPATION DRAWINGS.

THIS IS FULL OCC & BCC

PROFORMA - B

ACCEPTED AS COMPLETION PLANS AS PER THIS OFFICE LETTER UNDER NO. CE/8673/WS/AK

DIGITAL SIGN OF APPROVAL OF PLANS

Athare Dipak Sureshrao
SUB.-ENG. (B.P.) WS-I/KEC

Sanjay Uttam rao Borse
Asst. ENG. (B.P.) WS-I/KE

Prakash Rajaram Rasal
Ex. ENG. (B.P.) WS-I/K

NAME & SIGN OF OWNER :

Neel Raheja
CHALET HOTELS PRIVATE LIMITED
REGD.OFF. : RAHEJA TOWER, PLOT NO. C-30, BLOCK - G, WEST TO BANK OF BARODA, BANDRA KURLA COMPLEX, BANDRA (E) MUMBAI 400 051

N
NORTH

REV.	DATE	DESCRIPTION	DRAWN	APPROVED

PROJECT :
PROPOSED HOTEL COMPLEX (BLDG. NO.2) ON PLOT BEARING C.T.S. NO. 1483 / D OF VILLAGE MAROL, ANDHERI (EAST), MUMBAI.

SCALE : 1 : 200

DATE :

TITLE :
8TH FLOOR PLAN - AREA CALCULATION & DIAGRAM

PROJ. NO.

DEALT	CHECKED	APPROVED	DRG. NO.
			R - 10 / 23

NAME, ADD. & SIGN OF ARCHITECT

CONSULTING ARCHITECT

Surendra Prabhu Palimar
SURENDRA PRABHU
REG NO. CA - 89/9266
Plot No.C-30,Block 'G' Opp. SIDBI Bandra Kurla Complex, Bandra (E) Mumbai - 400 051.

KAPADIA ASSOCIATES PVT LTD.
112-114, PENINSULA CENTER, DR. S.S.RAO ROAD, OFF. AMBEDKAR ROAD, PAREL EAST, MUMBAI 400 012.
TEL: 91-22-59602500/99 FAX: 91-22-59602644

marol/2

MAHARASHTRA POLLUTION CONTROL BOARD

Tel : 2402 0781 / 2401 0437
Fax : 2402 4068
Visit us at :
Website : http://mpcb.mah.nic.in
E-mail : mpcb@vsnl.net

Kalpataru Point,
2nd , 3rd & 4th floor,
Opp. Cineplanet,
Near Sion Circle, Sion (E),
Mumbai - 400 022.

Red/Infrastructure Project/LSI.
Consent No. BO/RO (P&P)/CC- 272 **Date:** 26 **/05/2008**

Consent to Establish is granted to **M/s. Chalet Hotels Ltd**
CA to India Hotel Co Ltd., Plot Bearing
CTS No.1483, 1491, 1495, 1496/A, 1496/B,
1503/4, & 1500/D Vill. Marol, Andheri (E), Mumbai.

located in the area declared under the provisions of Water Act (P&CP) 1974, Air Act (P&CP), 1981 and Authorization under the provisions of H.W (M & H) Rules and amendments thereto subject to the provisions of the Acts and the Rules and the Orders that may be made further and subject to the following terms and conditions :-

1. **The Consent to Establish is valid up to Commissioning of the Project.**
For development of land/plot as new construction activities for construction of star category Hotel with 420 rooms named as **M/s Chalet Hotels Ltd,** CA to India Hotel Co Ltd., Plot Bearing CTS No. 1483, 1491, 1495, 1496/A, 1496/B, 1503/4, & 1500/D, Vill. Marol, Andheri (E), Mumbai, **on total plot area of 29,047.25** sq mtrs. **& total built up area of 63,652.39 sq. m** including utilities of star category Hotel with 420 rooms as per construction commencement certificate issued by local body.

2. **CONDITIONS UNDER WATER (Prevention &Control of Pollution) ACT, 1974:-**

(i) The daily quantity of (a) sewage effluent from above construction project including (b) waste water from swimming tank/water & laundry activity shall not exceed **663 M^3/Day** respectively.

(ii) **Sewage Effluent Treatment :** The Applicant shall provide a comprehensive sewage treatment plant as is warranted with reference to influent quality and corresponding mode of disposal and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards:-

PARAMETERS	Limit	Standards for sub- streams		
		(A)	(B)	Unit
pH	In between	5.5 to 9	7 to 8.5	
Suspended Solids	Not to exceed	100	10	mg/l
B.O.D. 3 days 27 C	Not to exceed	100	10	mg/l
Oil & Grease	Not to exceed	10	NIL	mg/l
Dissolved Phosphates (as P)	Not to exceed	5	5	mg/l
Dissolved Oxygen	Not less than	5	5	mg/l
R. Chlorine	Not to exceed	0.1	0.1	Mg/l.

(iii) **Sewage effluent Disposal:-**
The treated domestic effluent shall be 100 % recycled and reused **(663 M^3/Day)** for flushing, fire fighting and cooling of Air conditioners. In no case, effluent shall find its way to any water body directly/indirectly at any time.
The project authorities should opt for environmental friendly technologies like ozonation, UV treatment etc by replacing chlorination.

(iv) **Non-Hazardous Solid Waste:-**
The total quantity shall not exceed 2780 Kg per day and shall be segregated and treated as follows:-

Sr	Type of Segregated solid waste	Quantity Kg/Day	Treatment	Disposal
1	Bio- Degradable waste	1112	Vermi Composting	Proposed Activity
2.	Non Bio-Degradable waste	1668		To authorized recycler

Maharashtra Pollution Control Board Mumbai

3. Other Conditions: -

1. All activities shall be in resonance with the provisions of Indian Forest Act, 1927 (16 of 1927), Forest (Conservation) Act, 1980 (69 of 1980) and Wildlife (Protection) Act, 1972 (53 of 1972), and special notification published for area wherever applicable and all the Environmental Statutes and Instruments.
2. This Consent to Establish is issued only for New Construction/Developing Construction Project purposes.
3. No quarrying activities shall be commenced in the area unless appropriate permissions are obtained for a limited quarrying material required for construction of local residential housing and traditional road maintenance work, provided that such quarrying is not done on Forest Lands and the material is not exported to the outside area.
4. There shall be no felling of trees whether on Forest, Government, Revenue or Private lands except as per prevailing Rules.
5. Extraction of Groundwater for the project shall require prior permission of the State Ground Water Authority or other relevant authorities, as applicable;
6. Near the activities that are related to water (like activity of water parks, water sports) and/or in the vicinity of lake, Dissolved Oxygen shall not be less than 5 mg/liter.
7. In order to ensure that the water from this project do not enter into outside environment, the nallas crossing the township/complex premises, shall be lined, covered and made water tight by the applicant within the premises with intermittent inspection of chambers following good engineering practices as per the regulations of local body.
8. The Applicant shall prepare management plan for water harvesting, roof-water reclamation, water/storm water conservation and implement the same before handling over of complex for occupation.
9. Applicant shall provide fixtures for showers, toilet, flushing and drinking should be of low flow either by use of aerators or pressure reducing devices or sensor based control.
10. The Applicant shall draw plans for the segregation of solid wastes into biodegradable and non-biodegradable components. The biodegradable material shall be recycled through scientific in-house composting (i.e vermi-composting facility within premises) with the approval of local body. The proper demarked area shall be identified for collection & storage of MSW properly which, shall be finally disposed off at approved Municipal Solid Waste landfill site of local body environmentally acceptable location and method. It is clarified that the term solid waste includes domestic, commercial, and garden wastes, but does not include hazardous and bio-medical wastes. The activities of bio-composting and engineered land fill shall be as per the Municipal Solid Waste (M&H) Rules, 2000.
11. Applicant shall be responsible to take adequate precautionary measures as detailed in this consent.
12. The applicant/generator shall be responsible for safe and scientific collection, transportation, treatment and disposal of Bio-Medical Waste as per the provisions made under the Bio-Medical Waste (Management & Handling) Rules, 1998. Any activity as defined under BMW (M & H) Rules has to obtain a separate Authorization from Maharashtra Pollution Control Board.
13. For disinfection of waste water ultra violet radiation shall be used in place of chlorination
14. Vehicles hired for construction activities should be operated only during non peak hours.
15. Ready mixed concrete used in building construction should apply separately for consent from the Board.
16. The applicant, during the construction stage shall provide

a) Septic tank and soak pit of adequate capacity for the domestic effluent generated due to workers residing at site.

b) Proper loading and unloading of construction material, excavated material and its proper disposal as per MSW (M&H) Rules 2000.

c) Cutting of trees is not permitted, however in unavoidable conditions necessary permission from the local body shall be obtained.

d) Green belt of 33% of the open space shall be developed.

4. The Applicant shall comply with all the provisions of, the Water (Prevention and Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and Rules as Amended ,2003 and Rules there under :-

The daily water consumption for the following categories shall not exceed, as under

(i)	**Domestic**	**From ULB (In CMD)**	**From other sources (In CMD)**
a)	Domestic	750	---
b)	Make up water for Swimming pool	---	---
c)	Make up for AC	470	---
d)	Agriculture/Gardening	45	---

5. CONDITIONS UNDER AIR (Prevention & Control of Pollution) ACT, 1981:-

The Applicant may install 03 diesel generating sets (DG Sets), of capacity 03 x 1500 KVA and shall be equipped with comprehensive control system as is warranted with reference to generations of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:-

(i) **Standards for emissions of air Pollutants**

i)	SPM/TPM	Not to Exceed	150	mg/Nm3
ii)	SO2 (DG set)	Not to Exceed	8	Kg/day

(ii) **The following measure shall be taken.**

a) Adequate mitigation measures shall be taken to control emissions of SO2, NOx, SPM, RSPM.

b) Applicant shall achieve following Ambient Air Quality standards.

1	SPM	Not to Exceed (Annual Average)	140	µg/ m^3
		Not to Exceed (24 hours)	200	µg/ m^3
2	SO_2	Not to Exceed (Annual Average)	60	µg/ m^3
		Not to Exceed (24 hours)	80	µg/ m^3
3	NO_x	Not to Exceed (Annual Average)	60	µg/ m^3
		Not to Exceed (24 hours)	80	µg/ m^3
4	RSPM	Not to Exceed (Annual Average)	60	µg/ m^3
		Not to Exceed (24 hours)	100	µg/ m^3

(iii) **The Applicant shall observe the following fuel patterns**

No.	Type of Fuel	Quantity
1	HSD	200 lit/day

(iv) **The Applicant shall erect the Chimney (s) of the following specifications**

No.	Chimney attached to DG	Height above roof
1	DG set 3 x 1500 KVA	10.0 mtrs each

(v) **Conditions for DG Sets :-**

1. Noise from DG Sets shall be controlled by providing acoustic enclosure or by treating the room acoustically.
2. Applicant should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room shall be designed for minimum 25 dB(A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB(A) shall also be provided. The measurement of insertion loss shall be done at different points at 0.5 meters from acoustic enclosure/ room and then average.
3. The Applicant should make efforts to bring down noise level due to DG Set, outside the premises, with ambient noise level requirements by proper setting and control measures.
4. Installation of DG Set must be strictly in compliance with recommendations of DG set manufacturer;
5. A proper routine and preventive maintenance procedure for DG Set shall be set and followed in consultation with the DG manufacturers, which would help to prevent noise levels of DG Sets from deteriorating with use.
6. The DG set shall be operated only in case of power failure. The applicant shall make arrangement for regular electrical power.
7. The Applicant shall not cause any nuisance in the surrounding area due to operation of DG sets.
8. In case of problems, the D.G. set shall not be operated until it is set back to satisfactory position.

(vi) **Other Conditions:**

a) The Applicant shall provide ports in the chimney and facilities such as ladder, platform etc for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's staff. The chimneys shall be numbered as S-1, S-2 etc and these shall be painted/ displayed to facilitate identification.

b) Water spraying shall be done on ground to avoid fugitive emissions.

c) Construction material shall be carried in enclosed vehicles during constriction activities.

(vii) **Conditions For Utilities like Kitchen, Eating Places etc., :-**

1. The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
2. The toilet shall be provided with exhaust system connected to chimney through ducting.
3. The air conditioner shall be vibration proof and the noise shall not exceed 68 dB (A).
4. The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such way that no nuisance is caused to neighbors.

(viii) The Applicant shall take adequate measures for control of noise levels from its own sources within the complex (residential cum Commercial) in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned as between 6 a.m. to 10 p.m. and night time is reckoned between 10 p.m. to 6 a.m.

(ix) Construction equipments generating noise of less than 65/90 db(A) are permitted.

(x) No construction work is permitted during night time.

6. CONDITIONS UNDER HW (M & H) & AMENDMENT RULES 2003

The Applicant shall not generate or handle any hazardous waste.

7. The applicant shall certify that the bricks used in construction are manufactured using the ash from Thermal Power stations if it is within a radius of 100 km. from Thermal Power Plant and submit the names of bricks manufacturer.

8. **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before commissioning of the project.**

9. **The applicant shall adopt environment friendly technologies in development of the project.**

10. **The applicant shall take the proper remediation measures to ensure that the ground water and soil contamination is prevented and follow due diligence at the construction stage.**

11. **The applicant shall use flyash based material/products as per the provisions of fly ash Notification of 14.09.1999 and as amended on 27.08.2003.**

12. **The applicant shall comply with the conditions stipulated in Environmental Clearance granted by MoEF, GOI vide No. 21-281/2007-IA.III. dated 23.08.2007.**

13. **Energy conservation measures like installation solar panels for lighting the area outside the building should be integrated part of the project design.**

14. This Board reserves the right to amend or add any conditions in this consent and the same shall be binding on the Applicant;

15. **This consent is issued with the approval of Hon'ble Chairman, as per new delegation of powers about consent management vide no BO/P and L DIV.I/B-1157 dtd. 18.02.2008 / 07.03.2008.**

16. The capital investment of the project is Rs. 442.12/- crores.

For and on behalf of the
Maharashtra Pollution Control Board

Sd/-
(Shamlal Goyal)
Chairman, MPC Board

(Sanjay Khandare)
Member Secretary

To,
M/s. Chalet Hotels Ltd
CA to India Hotel Co Ltd., Plot Bearing
CTS No.1483, 1491, 1495, 1496/A, 1496/B,
1503/4, & 1500/D Vill. Marol, Andheri (E), Mumbai.

Copy forwarded with compliments to
The Collector, Mumbai

Copy to:
1. Regional Officer, Mumbai, MPCB,
2. Sub Regional officer, Mumbai- II, MPCB,
3. Chief Accounts Officer, Mumbai, MPCB,

Received consent fee of :

Amount	DD No.	Date	Drawn on
Rs 4,42,120/-	740826	30.10.2007	Indian Overseas Bank

4. Cess Branch, MPCB, Mumbai.
5. Master file.

28/5/08

ANNEXURE V (B)

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781 /4037124/4035273
Fax : 24044532/4024068 /4023516
Email : enquiry@mpcb.gov.in
Visit At : http://mpcb.gov.in

Kalpataru Point, 3rd & 4th floor, Sion- Matunga Scheme Road No. 8, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai - 400 022

*Consent order No :-**Format1.0/BO/CAC-cell/ EIC-MU-5507-14/E(revalid&amend)/CAC-** 4173*
Date- 03.5.2014

To,
M/s. Chalet Hotels P. Ltd.,
Raheja Tower, Plot no. C-30,Block G, next to Bank of Baroda,
Bandra Kurla Office, Bandra (E),
Mumbai 400 051.

Sub : Amendment in Consent to Establish to 5 star Hotel in Red category.
Ref : 1. EC accorded by MoEF, GOI vide no. 21-281/2007-IA.III dated 23.8.2007.
2. Earlier Consent to Establish granted vide no.BO/RO(P&P))/CC-272 dated 26/5/2008.
3. Amended and revalidated EC granted by GoM vide no. 21-281/2007-IA.III dated 26.6.2013.
4. Minutes of 2nd CAC meeting of 2014-15 held on 28.4.2014

Your application CE1401000436
Dated: 22/10/2013
For: Amendment in Consent to Establish
under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II ,III & IV annexed to this order:

1. The Consent to Establish is granted for a period upto **Commissioning of the Hotel or 25.5.2018 whichever is earlier.**
2. The actual capital investment of the industry is **Rs. 1041.66 Crs.** (As per undertaking submitted by hotel Authority)
3. The Consent to Establish is valid for construction of

Sr. No.	Activity	Rooms
1	5 Star Hotel on total plot area of 29047.25 sqm, BUA(FSI) 63529.25 sq.m. and construction area of 122499 sq.m.	640

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	Nil CMD	NA	
2.	Domestic effluent	865 CMD (72 CMD laundry & 793 CMD domestic)	As per Schedule --I	60% recycle for secondary purpose such as flushing, gardening, AC cooling and remaining discharged to Municipal Sewer

5. Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1	DG Sets (2000KVA x 2 nos)	2	As per Schedule –II
2	DG Sets (1500KVA x 2 nos)	2	As per Schedule –II
3	DG Sets (500KVA x 2 nos)	2	As per Schedule –II

6. Conditions under Municipal Solid Waste (Management and Handling) Rule, 2000.

Sr. No.	Type Of Waste	Quantit	UOM	Treatment	Disposal
1	Biodegradable waste	2000	Kg/Day	vermicom posting	Used as manure
2	Non-biodegradable waste	823	Kg/Day	---	Used as manure

7. **Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:**

Sr. no.	Type Of Waste	Category	Quantity & UoM	Treatment	Disposal
Nil					

8. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
10. This consent is issued with overriding effect over previous consent no.BO/RO(P&P))/CC-272 dated 26/5/2008.

For and on behalf of the
Maharashtra Pollution Control Board

(Rajeev kumar Mital, IAS)
Member Secretary

Received Consent fee of –

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	2083450/-	484994	21.10.2013	Standard Chartered Bank

Copy to:
1. Regional Officer -Mumbai and Sub-Regional Officer-Mumbai-II, MPCB, Mumbai. They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your consent application, you have proposed to provide Sewage Treatment Plant (STP) with 900 CMD design capacity.

   B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.
   Nil

Sr No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
01	BOD (3 days 27oC)	30
02	Suspended Solids	50
03	COD	100
04	Residual Chlorine	1ppm

   C) The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting, on land for gardening etc and remaining shall be discharged in to the municipal sewerage system.

2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of water, works for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.

3) The firm shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

4) In case the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent shall submit the CESS Returns in the prescribed format given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made there under for various categories of water consumption.

   In case the water consumption is duly assessed under the quantity of water consumption of local body, the project proponent shall submit certificate to that effect from the concern local body with the request not to assess CESS on their water consumption, being already assesses on the water consumption of local body.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Domestic purpose	976 (fresh) & 778(recycle)
2.	Industrial process	Nil
3	Industrial Cooling, Boiler,	Nil

5) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance.

Schedule-II

Terms & conditions for compliance of Air & Noise Pollution Control:

1. As per your application, you have proposed to erect following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO_2 Kg/Day
1	DG Set (2000 KVA x 2 nos.)	Acoustic enclosure	9* each	LDO	500 lit/hr	1.8 %	432
2	DG Set (1500 KVA x 2 nos.)		8* each				
3	DG Set (500 KVA x 2 nos.)		4.5* each				

*** above roof of the building in which it is installed**

2. The applicant shall operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Particulate matter	Not to exceed	150 mg/Nm^3

3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement alteration well before its life come to an end or erection of new pollution control equipment.

4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

5. Ambient noise level should be confirmed to prescribe standards both during day and night time. The ambient air and noise quality should be closely monitored during any construction phase in the premises.

Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Consent to Establish	Rs. 10 lakh	15 days from date of receipt of consent	Towards compliance of the EC condition and as well as consent conditions	Upto Commissioning of the unit	Five years from date of receipt of consent

Schedule-IV

Conditions during construction phase

a	During construction phase, applicant shall provide temporary sewage disposal and MSW facility for staff and worker quarters.
b	During construction phase, the ambient air and noise quality should be closely monitored to achieve Ambient Air Quality Standards and Noise by the project proponent through MoEF approved laboratory.
c	Noise generating activity shall be carried out during day time only.

General Conditions:

1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
3) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
4) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
5) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
6) The firm shall submit to this office, the 30th day of September every year , the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
7) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled/processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
8) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazarsous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
9) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
10) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity.**
11) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
12) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
13) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.

14) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
15) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
16) Conditions for D.G. Set
    a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
    b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
    c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
    d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
    e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
    f) D.G. Set shall be operated only in case of power failure.
    g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
    h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
17) The industry should not cause any nuisance in surrounding area.
18) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
19) The applicant shall maintain good housekeeping.
20) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.
21) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
22) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
23) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
24) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
25) **Hotel authority shall not carry out any expansion of the hotel without prior permission of the Board.**
26) **The applicant shall comply with the conditions of the Environmental Clearance granted by SEIAA, GoM vide letter no. 21-281/2007-IA.III dated 26.6.2013.**

MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 4010437/4020781 /4037124/4035273
Fax : 24044532/4024068 /4023516
Email : enquiry@mpcb.gov.in
Visit At : http://mpcb.gov.in

Kalpataru Point, 3rd & 4th floor, Sion- Matunga Scheme Road No. 8, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai - 400 022

*Consent order No :-**Format1.0/BO/CAC-cell/ EIC-MU-6451-14-14/E(amend)/CAC** - 6196*
Date- 25/05/2015

To,
M/s. Chalet Hotels P. Ltd.,
Office Address:
Raheja Tower, Plot no. C-30,Block G, next to Bank of Baroda,
Bandra Kurla Office, Bandra (E),
Mumbai 400 051.
Site Address:
M/s.Chalet Hotels Pvt/Ltd,
Plot:1483,1491,1495,1496A,1496B,1503/4&1500D,
(New CTS no. 1483/A(pt), 1483/C & 1483/D), of vill-Marol,
Andheri (E), Mumbai: 400 051.

Sub : Amendment in Consent to Establish to 5 star Hotel in Red category.
Ref :

1. EC accorded by MoEF, GOI vide no. 21-281/2007-IA.III dated 23.8.2007.
2. First Consent to Establish granted vide no.BO/RO(P&P))/CC-272 dated 26/5/2008.
3. Amended and revalidated EC granted by GoM vide no. 21-281/2007-IA.III dated 26.6.2013.
4. Amended and revalidated C to E granted vide no. Format1.0/BO/CAC-cell/ EIC-MU-5507-14/E(revalid&amend)/CAC -4173 dated 3.5.2014.
5. Part Consent to operate granted vide no. Format1.0/BO/CAC-cell/ EIC-MU-6291-14/O(part)/CAC-11234 dated 31.5.2016.
6. Your application approved in 2nd CAC meeting of 2015-16 held on 15.4.2015

Your application CE1412000624
Dated: 18.12.2014
For: Amendment in Consent to Establish
under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2008 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II ,III & IV annexed to this order:

1. The Consent to Establish is granted for a period upto **Commissioning of the Hotel or 25.5.2018 whichever is earlier.**
2. The capital investment of the additional construction of hotel is **Rs. 204.78 Crs.** (As per CA certificate submitted by hotel Authority, whereas total CI of the whole project is Rs. 1246.44 crs i.e. Rs. 1041.66 crs + Rs. 204.78 crs)
3. The Consent to Establish is valid for construction of

Sr. No.	Activity	Rooms
1	5 Star Hotel project on total plot area of 29047.25 sqm and remaining construction area of 26164 sq.m.[construction area of EC – consent to operate(part)] for increase in no. of floors of A wing from 4 floor to 9 floors for banquet hall, offices etc.	Nil

Maharashtra Pollution Control Board MAHARASHTRA Mumbai

4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	Nil CMD	NA	
2.	Domestic effluent	139 CMD	As per Schedule –I	60% recycle for secondary purpose such as flushing, gardening, AC cooling and remaining discharged to Municipal Sewer

5. Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1	Nil (as already covered in C to O)	0	NA

6. Conditions under Municipal Solid Waste (Management and Handling) Rule, 2000.

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Nil (as already covered in C to O)				

7. Conditions under Hazardous Waste (MH & TM) Rules, 2008 for treatment and disposal of hazardous waste:

Sr. no.	Type Of Waste	Category	Quantity & UoM	Treatment	Disposal
Nil					

8. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
10. **This consent is issued with overriding effect over previous consent no. Format1.0/BO/CAC-cell/ EIC-MU-5507-14/E(revalid&amend)/CAC -4173 dated 3.5.2014.**
11. **Hotel authority shall not carry out any expansion of the hotel without prior permission of the Board.**
12. **The applicant shall comply with the conditions of the Environmental Clearance granted by SEIAA, GoM vide letter no. 21-281/2007-IA.III dated 26.6.2013 and revised granted vide letter no. SEAC-2013/CR-73/TC-1 dated 11.12.2014.**

For and on behalf of the
Maharashtra Pollution Control Board

Maharashtra Pollution Control Board MAHARASHTRA Mumbai

(P. K. Mirashe)
Member Secretary

Received Consent fee of –

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On	Remarks
1	2083450/-	484994	21.10.2013	Standard Chartered Bank	Previous C to E fees
2	409100/-	491223	25.11.2014	Standard Chartered Bank	Fees paid on additional CI

Copy to:

1. Regional Officer -Mumbai and Sub-Regional Officer-Mumbai-II, MPCB, Mumbai. They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

1) A] As per your consent application, you have provided Sewage Treatment Plant (STP) with 900 CMD design capacity.

B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.
Nil

Sr No.	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
01	BOD (3 days 27oC)	30
02	Suspended Solids	50
03	COD	100
04	Residual Chlorine	1ppm

C) The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, firefighting, on land for gardening etc and remaining shall be discharged in to the municipal sewerage system.

2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of water, works for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or and extension or addition thereto.

3) The firm shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

4) In case the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent shall submit the CESS Returns in the prescribed format given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made there under for various categories of water consumption.

In case the water consumption is duly assessed under the quantity of water consumption of local body, the project proponent shall submit certificate to that effect from the concern local body with the request not to assess CESS on their water consumption, being already assesses on the water consumption of local body.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Domestic purpose	76 (fresh) & 132(recycle)
2.	Industrial process	Nil
3	Industrial Cooling, Boiler,	Nil

(max quantities have been covered in part C to O)

5) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance.

Schedule-II- Not applicable, hence not annexed.

Schedule-III
Details of Bank Guarantees

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
	Existing					
1	Consent to Establish	Rs. 10 lakh*	--	Towards compliance of the EC condition and as well as consent conditions	Upto Commissioning of the unit	Five years from date of receipt of consent

* existing BG of Rs. 10 lakh shall be applicable to this consent to establish.

Schedule-IV

Schedule-IV

Conditions during construction phase

a	During construction phase, applicant shall provide temporary sewage disposal and MSW facility for staff and worker quarters.
b	During construction phase, the ambient air and noise quality should be closely monitored to achieve Ambient Air Quality Standards and Noise by the project proponent through MoEF approved laboratory.
c	Noise generating activity shall be carried out during day time only.

General Conditions:

1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
3) The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
4) Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
5) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
6) The firm shall submit to this office, the 30th day of September every year , the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
7) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2008, which can be recycled/processed/reused/recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
8) The industry should comply with the Hazardous Waste (M,H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazarsous Waste (M,H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
9) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
10) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before actual commencement of the Unit/ Activity.**
11) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
12) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
13) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the

terminal manholes. No effluent shall find its way other than in designed and provided collection system.

14) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
15) The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
16) Conditions for D.G. Set
    a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
    b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
    c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
    d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
    e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
    f) D.G. Set shall be operated only in case of power failure.
    g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
    h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel
17) The industry should not cause any nuisance in surrounding area.
18) The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
19) The applicant shall maintain good housekeeping.
20) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a statement on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end, with the Environment Statement.
21) The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
22) The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
23) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
24) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: http://mpcb.gov.in
Email: cac-cell@mpcb.gov.in

Kalpataru Point, 2nd and 4th floor, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai-400022

RED/L.S.I (R31)
No:- Format1.0/CAC/UAN No.0000108006/CR - 2110000227

Date: 06/10/2021

To,
Chalet Hotels Ltd., Plot No. 1483, 1491, 1495, 1496A, 1496B, 1503/4 & 1500D (New CTS No. 1483/A(pt), 1483/C & 1483/D) Village Marol, Andheri (E), Mumbai-400099.

Your Service is Our Duty

Sub: **Grant of Renewal of Consent to Operate with change in name and increase in CI for Hotel activity under Red/LSI category.**

Ref:
1. Renewal of Consent to Operate accorded by the Board vide letter Format 1.0/BO/CAC-Cell/UAN No. 0000028707/1stO(Part-I) + CR(Part-II)/CAC-1809000112 dtd.04/09/2018.
2. Minutes of Consent Appraisal Committee meeting held on 03/08/2021, 17/08/2021 & 20/08/2021.

Your application No.MPCB-CONSENT-0000108006 Dated 05.02.2021

For: Grant of Renewal of Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 6 of the Hazardous & Other Wastes (Management & Transboundary Movement) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. **The consent to renewal is granted for a period up to 31/05/2026**
2. **The capital investment of the project is Rs.1266.8498 Crs. (As per C.A Certificate submitted by industry Existing CI is-Rs. 1176.79 Crs + Expansion/Increase in C.I. - Rs. 90.05 Crs)**
3. **Consent is valid for the manufacture of:**

Sr No	Product	Maximum Quantity	UOM
Products			
1	Hotel activity including Restaurant, Lodging & Boarding, Swimming pool & Laundry activity having Total Plot Area of 58,899 Sq.m and Total Construction Built Up Area of 1,46,696 Sq.m Five-star category	640	Rooms

4. **Conditions under Water (P&CP), 1974 Act for discharge of effluent:**

Sr No	Description	Permitted (in CMD)	Standards to	Disposal Path
1.	Trade effluent	0	As per Schedule-I	Not Applicable

Sr No	Description	Permitted	Standards to	Disposal
2.	Domestic effluent	871	As per Schedule-I	The treated effluent shall be 60% recycled for secondary purposes and remaining shall be utilized on land for gardening and/ or connected to local body sewer line with water metering system.

5. **Conditions under Air (P& CP) Act, 1981 for air emissions:**

Sr No.	Stack No.	Description of stack / source	Number of Stack	Standards to be achieved
1	S-1 & S-2	DG Sets of 2000 kVA x 2	02	As per Schedule -II
2	S-3 & S-4	DG Sets 1500 kVA x 2	02	As per Schedule -II
3	S-5 & S-6	DG Sets 500 kVA x 2	02	As per Schedule -II
4	S-7	DG Set of 1250 kVA	01	As per Schedule -II
5	S-8 & S-9	Boiler No- 1 & 2	02	As per Schedule -II
6	S-10	Kitchen exhaust	01	As per Schedule -II

6. **Non-Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Bio-degradable Waste	1800	Kg/Day	OWC followed by composting facility.	Used as Manure.
2	Non-biodegradable Waste	996	Kg/Day	Segregation	Handed over to Auth. Vendor.
3	STP Sludge	150	Kg/Day	Drying	Used as Manure.

7. **Conditions under Hazardous & Other Wastes (M & T M) Rules 2016 for treatment and disposal of hazardous waste:**

Sr No	Category No./ Type	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	8	Ltr/A	Recycle	Sale to authorised party / CHWTSDF

8. The Board reserves the right to review, amend, suspend, revoke this consent and the same shall be binding on the industry.
9. This consent should not be construed as exemption from obtaining necessary NOC/ permission from any other Government authorities.
10. PP shall operate ETP & STP to achieve treated effluent/sewage standard for parameter BOD-10 mg/lit.
11. PP shall operate organic waste digester along with composting facility/bio-digester (biogas) for the treatment of wet garbage.

12. PP shall submit BG of Rs. 25 Lakh towards O & M of Pollution Control System and compliance of Consent conditions.
13. This consent is issued pursuant to the decision of the 5th Consent Appraisal Committee Meeting held on 03/08/2021, 17/08/2021 & 20/08/2021.
14. The applicant shall make an application for renewal of consent 60 days prior to date of expiry of the consent. (Operate/Renewal)

For and on behalf of the
Maharashtra Pollution Control Board.

(Ashok Shingare IAS),
Member Secretary

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	12668498.00	MPCB-DR-5122	21/03/2021	RTGS
2	125000.00	MPCB-DR-6233	08/06/2021	NEFT

Copy to:

1. Regional Officer, MPCB, Mumbai and Sub-Regional Officer, MPCB, Mumbai II
   - They are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB,Sion, Mumbai

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application, you have provided Primary Effluent Treatment Plant (ETP) for the treatment of effluent arising from Laundry activity. Further partially treated Laundry effluent is sent to Sewage Treatment Plant (STP) of designed capacity of 430 CMD based on MBBR technology for the treatment of 320 CMD of Sewage.

   B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

Sr.No	Parameters	Standards (mg/l)	
1	pH	Not to exceed	6.5 to 9.0
2	Total Suspended Solids	Not to exceed	20
3	BOD 3 Days 27 degree C	Not to exceed	10
4	Chemical oxygen Demand (COD)	Not to exceed	50
5	NH4 N	Not to exceed	5
6	N Total	Not to exceed	10
7	Fecal Coliform MPN/100 MI	Not to exceed	100.0

   C] The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air-conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening and/ or connected to local body sewer line with water metering system.

2. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
3. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
4. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	1027.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	0.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	0

5. The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance/ CREP guidelines.

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

1. As per your application, you have provided the Air pollution control (APC) system and erected following stack (s) to observe the following fuel pattern:

Stack No.	Source	APC System provided/proposed	Stack Height(in mtr)	Type of Fuel	Sulphur Content(in %)	Pollutant	Standard
S-1 & S-2	DG Sets of 2000 kVA x 2	Acoustic Enclosure	15.00	HSD 300 Ltr/Hr	1	SO2	-
S-3 & S-4	DG Sets of 1500 kVA x 2	Acoustic Enclosure	9.00	HSD 240 Ltr/Hr	1	SO2	-
S-5 & S-6	DG Sets of 500 kVA x 2	Acoustic Enclosure	8.00	HSD 240 Ltr/Hr	1	SO2	-
S-7	DG Set of 1250 kVA	Acoustic Enclosure	4.50	HSD 120 Ltr/Hr	1	SO2	-
S-8 & S-9	Boiler No- 1 & 2	Stack	9.00	PNG 1500 SCM/Day	-	Other	-
S-10	Kitchen exhaust	Stack	33.50	PNG 1500 SCM/Day		Other	-

2. The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time/ Environmental Clearance / CREP guidelines.
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).

SCHEDULE-III
Details of Bank Guarantees:

Sr. No.	Consent (C2E/ C2O /C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Renewal of Consent to Operate	25 Lakh	Extension of existing BG	Towards O & M of Pollution Control Systems and Compliance of Consent conditions.	Monthly	30/09/2026

****Existing BG obtained for above purpose if any, may be extended for period of validity as above.**

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV
General Conditions:

1. The Energy source for lighting purpose shall preferably be LED based
2. The PP shall harvest rainwater from roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial applications within the plant
3. Conditions for D.G. Set
   a) Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
   b) Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
   c) Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper sitting and control measures.
   d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
   e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
   f) D.G. Set shall be operated only in case of power failure.
   g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

h) The applicant shall comply with the notification of MoEFCC, India on Environment (Protection) second Amendment Rules vide GSR 371(E) dated 17.05.2002 and its amendments regarding noise limit for generator sets run with diesel.

4. The applicant shall maintain good housekeeping.
5. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
6. The applicant shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
7. The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
8. The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
9. The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
10. The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification No. B-29016/20/90/PCI-L dated. 18.11.2009 as amended.
11. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
12. The PP shall provide personal protection equipment as per norms of Factory Act
13. Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
14. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
15. The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
16. The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the Hazardous and Other Wastes (M & TM) Rules 2016, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc. should go for that purpose, in order to reduce load on incineration and landfill site/environment.
17. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
18. Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
19. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.

20. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
21. The industry should not cause any nuisance in surrounding area.
22. The industry shall create the Environmental Cell by appointing an Environmental Engineer, Chemist and Agriculture expert for looking after day to day activities related to Environment and irrigation field where treated effluent is used for irrigation.
23. The applicant shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
24. The industry should comply with the Hazardous and Other Wastes (M & TM) Rules, 2016 and submit the Annual Returns as per Rule 6(5) & 20(2) of Hazardous and Other Wastes (M & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
25. The applicant shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
26. The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
27. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions.
28. The firm shall submit to this office, the 30th day of September every year, the Environment Statement Report for the financial year ending 31st March in the prescribed FORM-V as per the provisions of Rule 14 of the Environment (Protection) (second Amendment) Rules, 1992.
29. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
30. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
31. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.

For and on behalf of the
Maharashtra Pollution Control Board.

(Ashok Shingare IAS),
Member Secretary

NOTE:

1. It is for the owner / developer to confirm that there are no services like electrical, water, drainage, gas, telephone, computer/electronics, municipal tunnels or any other services before starting the work in the path of S.W. Drain / Harvesting lines, bore wells, ring wells, open wells, to avoid probable accidents.
2. The necessary comprehensive insurance should be taken by owner / contractor/ the work executing agency.
3. The locations of the ring wells will be decided after a proper Hydro-Geological survey.
4. If necessary, then a trial pit may be dug to check if any other services are interfering with the proposed system.
5. Sizes subject to the slopes of storm water drain to be designed by your MEP consultants in co-ordination with the SWD remarks from M.C.G.M.
6. Location/clearance/tunnel/pest control permission to be taken from licensed plumber.
7. The levels and invert levels corresponding to the storm water drain outlets to be given by MEP Consultants.
8. Permission for crossover the Nalla to be taken by MEP Consultants/ plumber.

AIRPORT AUTHORITY HOSPITAL

Project Office

Labour Camp

Mock Up

Sanitation Room

School

Drinking Water Tank

Curing Water Tank

Tower Crain

RMC Watchman Cabin

RMC Rest Room

RMC Office

RMC Store

Batching Plant

Water Tank

Bains

Canteen

POWER HOUSE

Security House

P1 P2 P3 P4 P5 P6 P7 P8 P9 P10 P11 P12 P13 P14 P15 E1 E2

O.C. 1 O.C. 2 O.C. 3 O.C. 4 O.C. 5 O.C. 6 O.C. 7 O.C. 8 O.C. 9 O.C.10 O.C.11 (LAST OVERFLOW CONNECTION)

943.00 sqmt.

437.23 sqmt.

105.91 sqmt.

2067.08 sqmt.

REVERSE FLOW

NALLA

MAIN CONNECTION TO THE SWD WITH FILTERATION MEDIA

FILTERATION MEDIA

RAIN WATER HARVESTING TANK PROVIDED

TO MUNICIPAL DRAIN CHANNEL

Taj Plinth Lev.100.468M

OVERFLOW TO THE NALLA

6 M

1'0" DIA HUMP PIPE CARRING DIVERTED WATER FROM SWD

250 FT DEEP BORE

FILTERATION MEDIA WITH COAL

OVER FLOW CONNECTED TO THE NALLA

FILTERATION MEDIA WITH SAND, COAL, PEBBLES & LIME

PLAN

6.5 M

5'-0" GROUND LEVEL COVER SLAB

FILTER RING AROUND WITH SAND

1'0" DIA HUMP PIPE CARRING DIVERTED WATER FROM NALLA

250 FT DEEP BORE

FILTER RING AROUND WITH COAL

RCC RINGS, 5' Ø, 40MM THK. 1' HIGH EACH

FILTER RING AROUND WITH PEBBLES

2 NOS OF EARTHEN POTS OF LIME WITH COTTON CLOTH TIED ON TOP

SUBMERSIBLE PUMP

MULTIPLE RING WELL DETAILS

200MM DIA HEAVY DUTY PVCPIPE

300MM DIA R.C.C HUME PIPE

450MM DIA R.C.C HUME PIPE

OVERFLOW TO THE NALLA

MULTIPLE RING WELL WITH 7 NOS OF 5' DIA RINGS WITH 2' WIDE FILTERATION MEDIA AROUND

DROP CHAMBER

FILTERATION MEDIA CONSISTING OF A SETTLING TANK AND PEBBLES CHAMBER

DRAFT FOR APPROVAL

PROPOSED RAIN WATER HARVESTING FOR J.W.MARRIOT PROJECT

MUNGEKAR & ASSOCIATES
ARCHITECTS, INTERIOR DESIGNERS & TOWN PLANNERS
1 - ANIL APARTMENT, M. T. N. L. ROAD, AGAR BAZAR, DADAR, MUMBAI - 400 028, INDIA.

DRWN BY :Sonal U Taskar

DATE : 15/02/2012

MUNGEKAR & ASSOCIATES

NANDAN P. MUNGEKAR B. ARCH., G.D. ARCH., F.I.I.A., M.E.(CIVIL) T & CP, P. G. D. IN ECOLOGY & ENVIRONMENT, GOVT. APPROVED VALUER NO. I-176, C. C. GEOLOGY, REGD. COUNCIL OF ARCH & PEATA, EXPERT IN DOWSING & PENDULAM DIAGNOSIS.

ARCHITECTS & INTERIOR DESIGNERS
GEOLOGISTS & TOWN PLANNERS
ROOF / RAIN WATER HARVESTING CONSULTANT
TEL.: 2422 7512 I TELEFAX : 2431 2275
MOBILE : 9869055711 / 9619507254

Original Certificate Dated: 24/12/2013
Revised Certificate Date: 26/2/2016

TO WHOMSOEVER IT MAY CONCERN

This is to certify that, M/s. Chalet hotels Pvt.Ltd. appointed us as their Rain Water Harvesting Consultant for designing Rain Water Harvesting for their project. JW Marriot hotel at Sahar, Mumbai for **Chalet Hotels Private Limited**, old CTS No. 1483, 1495, 1496, now revised as Nos 1483D & 1483C Village, Marol Naka, Behind Taj Flight Kitchen, Airport Road, Sahar, Andheri (E) Mumbai 400 093 on 8/9/2011 hence new revised certificates.

This property was sub-divided/natural sub-division due to a municipal trained nalla, a strip of land on the eastern side which was mostly garden, which was soaking the water naturally in the ground and hence no new harvesting elements are considered in this narrow strip, nor the rain water from Large Hotel land could be brought by the crossing the nalla, also the club house area is being developed in next stage separately.

In the main hotel project area, the roof water is collected separately in 2 tanks at both the ends of the hotel building in the first basement having capacity of 5 LAKH LTRS respectively, water from the same will be filtered and used for secondary purpose during monsoon. The overflow from the Rain Water Harvesting tanks and water falling on the balance plot of land is channelized and taken to appropriate places as per Hydro-Resistivity survey where the water caverns were available and all the rain-storm water available is percolated in the bores with the help of pressure wells i.e. rain water having the capacity of 100mm rainfall, **which is more than 3 times the average rainfall per day.** All these pressure wells are on the eastern side in the R.G. Area all along the nalla. Water from storm water drain is filtered 1st in filtration chambers (sand for removing the solids, coal for removing odour and colour and lime for disinfection) and again filtered for the second time all around the ring wells so that filtered water is harvested into the caverns. The primary filter is designed for maintenance purpose, which means the total water falling on the plot of land is percolated in the soil. There are 8 no's of 7 multiple ring wells.6m dia. About 6.5mts deep constructed at site.

This is a charging system, which charges the bore/ring well (increases the ground water table) with the help of rainwater falling on roof / ground & also the rain / storm water going on public area like roads, footpaths is avoided, so thus the flooding.
On this above-mentioned plot, we have designed Rain Water Harvesting System & which is complete as per our drawing, details & instructions at site.

FOR MUNGEKAR & ASSOCIATES

NANDAN P. MUNGEKAR
ARCHITECT, TOWN PLANNER, ENVIRONMENTALIST, GEOGLOGIST
& RAIN / ROOF WATER HARVESTING CONSULTANT
EXPERT IN DOWSING & PENDULUM DIAGNOSIS.

ANNEXURE VII C

RAINWATER HARVESTING

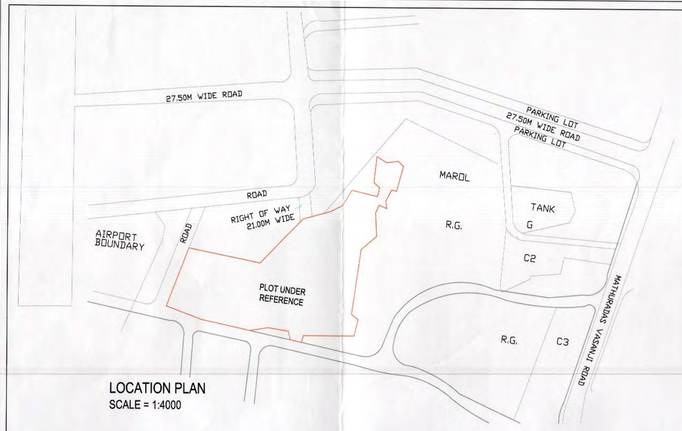
ANNEXURE VIII(A)

L-TREE

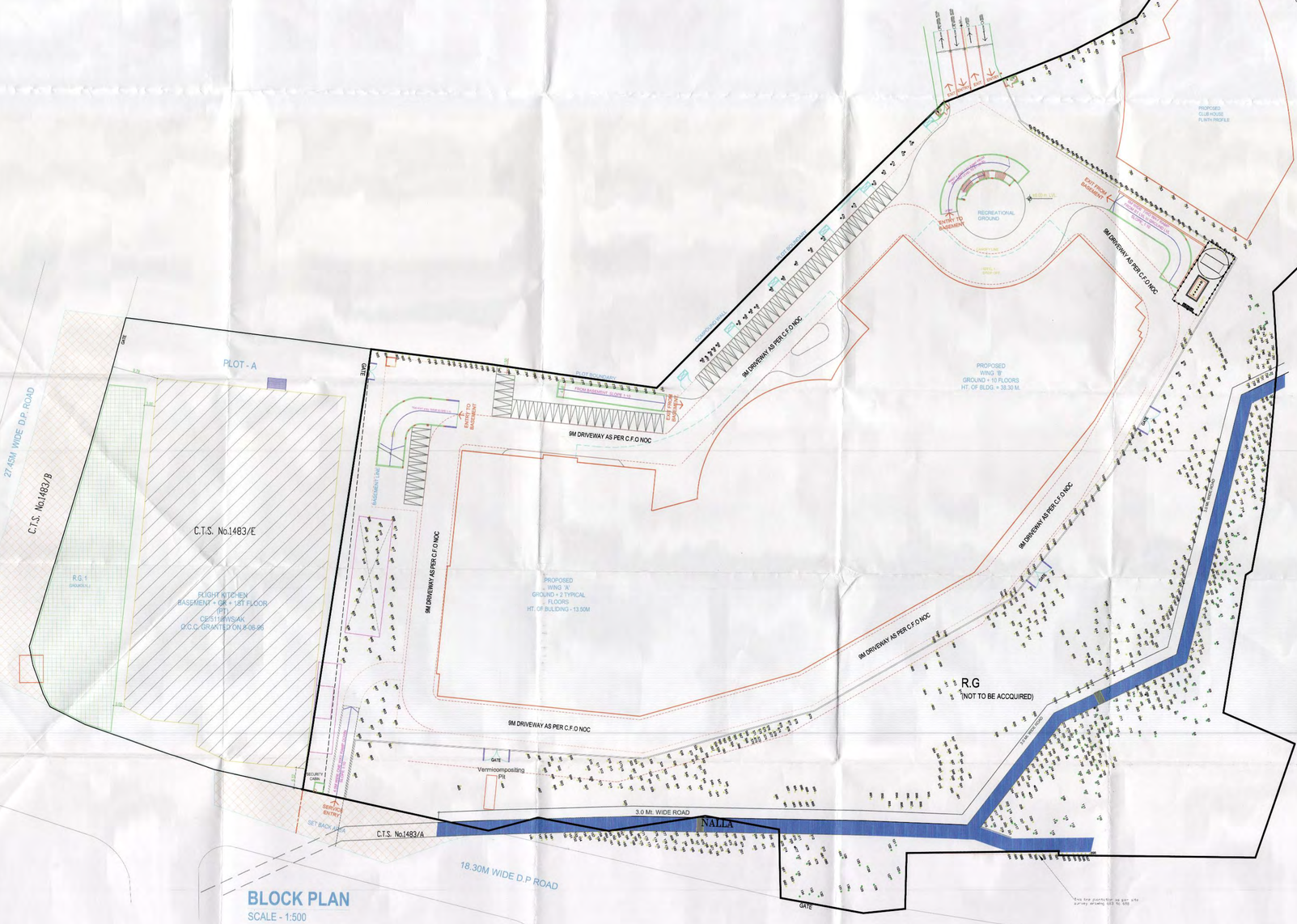
Please read this plan along with letter
No.: 07561555/TA/II.
Date.: 14-1-2015

Certified that 905(Nine Hundred Five) Nos. of trees are planted in the property along with 136(One Hundred thirty six) Nos. of existing old trees
These trees should be preserved and maintained properly hereafter.

14/1/15
Supdt. of Gardens & Tree Officer(WS)



LOCATION PLAN
SCALE = 1:4000



BLOCK PLAN
SCALE - 1:500

Legend:-

Sr.No.	Description	Qnt.	Symbol
1	Existing	128	
2	Transplanted	8	
3	New	914	

9 mt wide road for fire tender movement

AREA OF ROAD - 5550 SQ.MTS

1) AREA OF RESERVATION R.G. = 29,047 Sq.mt.
2) AREA OF NALLAH WITHIN PLOT = 1,146 Sq.mt.
3) AREA OF Approx. 3.00m. WIDE ACCESS FOR DI-SILTING OF NALLAH = 977 Sq.mt.
4) AREA OF PROPOSED CLUB Bldg. IN R.G. = 2,179 Sq.mt.

AREA STATEMENT
Annexure 'A'

PROPOSED HOTEL COMPLEX (BLDG NO .02) ON PLOT BEARING CTS NO. 1483/A TO E OF VILLAGE MAROL,ANDHERI (E),MUMBAI

DT:- 04-12-2014 -R1

SR NO	PARTICULARS	AREA SQ.MT	No of trees
1	GROSS PLOT AREA (Exclusive of Reservation R.G)	29047.25	
2	PLINTH AREA OF BUILDING	14028.61	
3	APPROX AREA FOR MOVEMNET OF FIRE TENDER AROUND (9 MT WIDE AILROUND AS PER CFO NOC)	5550.00	
4	R.G AREA PROVIDED ON HOTEL PLOT	4276.27	
5	NET OPEN SPACE = 1-(2+3+4)	5192.37	
6	TREES TO BE PLANTED AS PER OPEN SPACE NORMS		103.8474
7	(2 TREES PER 100 SQ. MTS OF OPEN SPACE) say		104
	R.G.AREA ON GROUND		
8	R.G 2 - (PLOT B)	4012.4	
9	R.G 3- (PLOT B)	263.87	
10	TOTAL RG TO BE PROVIDED ON GROUND = (8) +(9)	4276.27	
11	TREES TO BE PLANTED IN R.G. AS PER NORMS		213.8135
12	(5 TREES PER 100 SQMTS OF R.G) say		214
13	TOTAL NO. OF TREES TO BE PLANTED FOR THE HOTEL PLOT =(7)+(12)=104+214		318
14	RESERVATION RG	29047.75	
15	AREA OF NALLA WITHIN R.G PLOT	1146	
16	AREA OF ACCESS ROAD FOR DE-SILTING OF NALLAH	977	
17	AREA FOR THE PLINTH OF PROPOSED CLUB BUILDING	2179	
18	NET AREA OF RESERVATION R.G FOR TREE PLANTING= 14-(15+16+17)	24745.75	
19	TREES TO BE PLANTED IN RESERVATION R.G		1237.2875
20	5 TREES PER 100 SQMTS OF R.G say		1238
21	TOTAL TREES TO BE PLANTED ON SITE = (13)+ (20)= 318+1238 say (Hotel plot + Reservation RG)		1556
22	TOTAL TREES EXISTING AT SITE VIDE LETTER DY5G /TA/MC/957 DATED:14-12-07	145	
23	a. PERMISSION TO CUT TREES. VIDE LETTER DY5G /TA/MC/957 DATED:14-12-07	9	
24	b. PERMISSION TO TRANSPLANT VIDE LETTER DY5G /TA/MC/957 DATED:14-12-07	8	
25	TREES PROPOSED TO BE CUT	0	
26	TREES RETAINED ON SITE VIDE LETTER DY5G /TA/MC/957 DATED:14-12-07	128	
27	TREE TO BE PLANTED DUE TO CUTTING OF EXISTING TREES = (9 X 2) (AS PER WIDE LETTER)	18	
28	TOTAL TREES NEWLY PLANTED = (INCLUDING TREES PLANTED IN LIU OF CUTING)	914	
29	TOTAL TREES EXISTING AT SITE (INCL. NEWLY PLANTED+ TRANSPLANTED)=(26)+(28)	1050	
30	TREES PENDING TO BE PLANTED AT SITE =(21)-(29) = 1556-1193	506	

F NOTES

BOUNDARY OF THE PLOT SOLIDED BLACK
PROPOSED WORK SHOWN PINK
ALL DIMENSIONS, BALCONY AND DIMENSIONS ARE OUTSIDE DIMENSIONS
AREA SHOWN UNDER SET BACK SHOWN IN DOTTED GREEN.
STRUCTURE TO BE DEMOLISHED SHOWN IN DOTTED YELLOW
RECREATION SHOWN IN GREEN.
AREA UNDER PROPOSED ROAD SHOWN IN SHOWN.

FORM II

CONTENTS OF SHEETS

BLOCK PLAN WITH TREES LAYOUT
LOCATION PLAN

STAMP OF DATE OF RECEIPT OF PLANS.

STAMP OF APPROVAL OF PLANS

REV	DATE	DESCRIPTION

NORTH LINE

CERTIFICATION OF AREA

CERTIFIED THAT I HAVE SURVEYED THE PLOT UNDER REFERENCE ON 22 - 02 - 2011 AND THE DIMENSIONS OF THE SIDES , ETC. OF THE PLOT STATED ON THE PLAN ARE AS MEASURED ON SITE AND THE AREA SO WORKED OUR IS 71,118.00 SQMTS SQUARE METERS AND TALLIES WITH THE AREA STATED IN THE DOCUMENT OF OWNERSHIP/TOWN PLANNING SCHEME RECORDS.

DESCRIPTION OF PROPOSAL & PROPERTY

PROPOSED HOTEL COMPLEX (BLDG. NO.2) ON PLOT BEARING C.T.S. NO. 1483 / A TO E OF VILLAGE MAROL ANDHERI (EAST), MUMBAI.

NAME & SIGNATURE OF OWNER

CHALET HOTELS PVT. LTD.
C/ATO M/S THE INDIAN HOTELS CO. LTD.
Plot No.C-30,Block 'G',Opp.SIDBI
Bandra Kurla Complex, Bandra (E)
Mumbai - 400 051.

PROJECT NO.	SCALE	DATE	DRG. NO.
B1714	AS SHOWN		

NAME & SIGNATURE OF ARCHITECT

SURENDRA PRABHU
REG NO: CA - 85/9356

Plot No.C-30,Block 'G',Opp.SIDBI
Bandra Kurla Complex, Bandra (E)
Mumbai - 400 051.

SURENDRA PRABHU P.
REGISTERED ARCHITECT
COUNCIL OF ARCHITECTURE
CA/85/9356
A.I.I. A-6146

CONSULTING ARCHITECT

KAPADIA ASSOCIATES PVT.LTD.
112-114, PENINSULA CENTER, DR. S.S.RAO ROAD,
OFF. AMBEDKAR ROAD, PAREL EAST, MUMBAI 400 012.
TEL: 91-22-56602838/39 FAX: 91-22-56602844

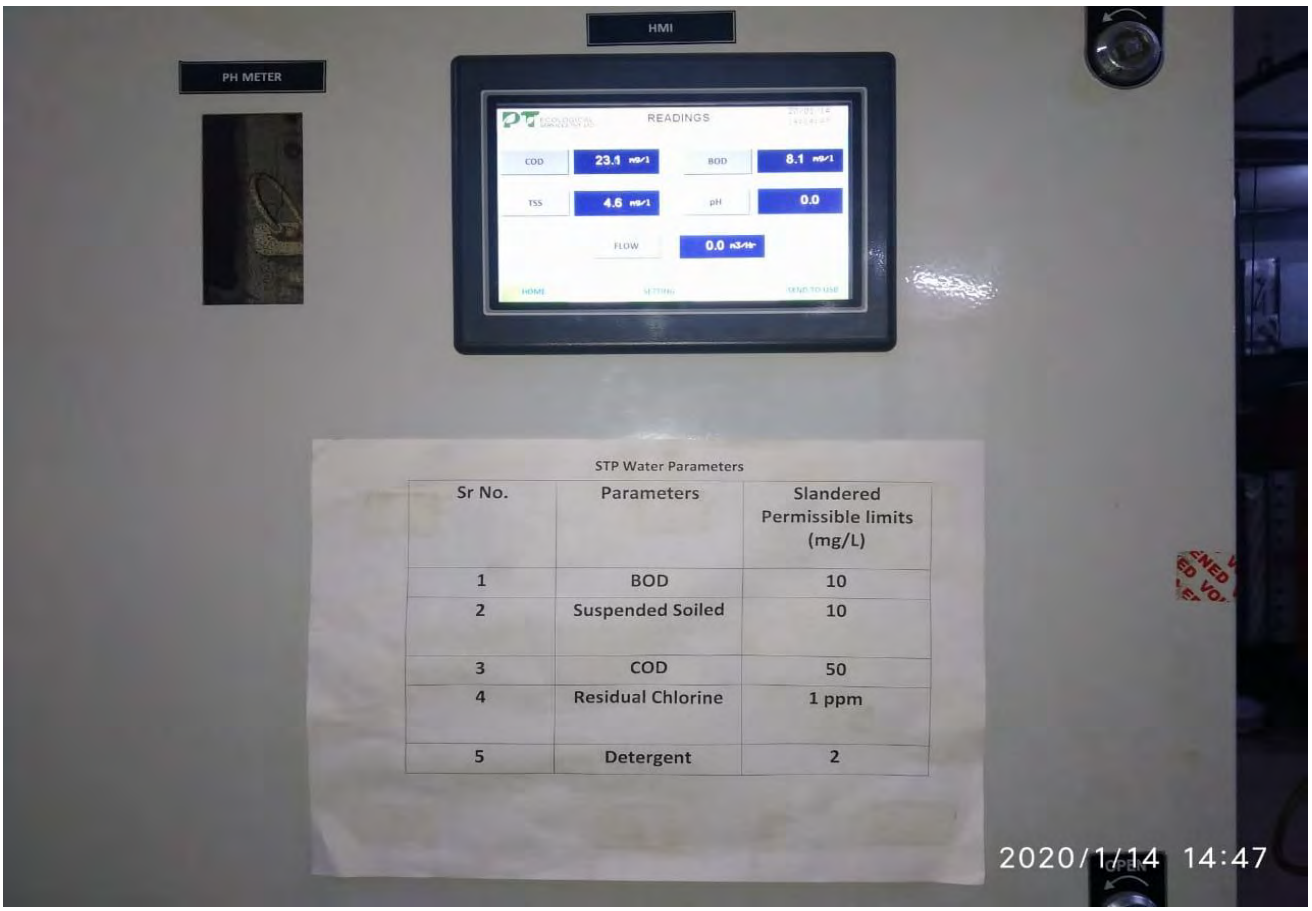
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

ANNEXURE VIII (B)


THE LaLiT

ANNEXURE IX

STP PHOTOGRAPHS



ONLINE MONITORING PANEL /DISPLAY

ENERGY CONSERVATION MEASURES

LIGHTING SCHEME	Energy efficient fluorescent tube lights, LED & CFL lamps which give approx. 30% more light output for the same watts consumed and therefore require less Nos. of fixtures and corresponding lower point wiring costs and saving in energy. All fluorescent light fixtures are specified to incorporate electronic chokes, which have less watt-loss, compared to electromagnetic chokes, Harmonics filter to mitigate the harmonics and result in superior operating power factor. Electronic chokes also improve the life of the fluorescent lamps.
SOLAR ENERGY UTILIZATION	Solar operated standalone pole lights are provided to power pathway lights at some strategic locations.
OTHER ENERGY CONSERVATION MEASURES....cont.	▪ Copper Bus bars in all distribution panels are provided to reduce losses and improve reliability. ▪ Copper conductor cables are provided for sizes of 10.0 Sq.mm and below, to reduce losses and improve reliability. ▪ Energy efficient motors are used for chillers, fans, pumps etc. High COP chillers with VFD are provided. ▪ All cables are de-rated to avoid heating during use. ▪ Variable frequency drives are incorporated on motor feeders, to save energy. ▪ Power factor of the complete infrastructure electrical system are maintained close to unity, to reduce electrical power distribution losses in the installation. ▪ LED lights are provided in all Public areas / Rooms / Passages etc. ▪ An APFC relay based on thyristor switching are provided to improve power factor.
NET ENERGY SAVING BY ENERGY CONSERVATION MEASURES	▪ Energy efficient systems and conservation measures if utilized effectively through building management system it save 18 to 30 % electrical cost.

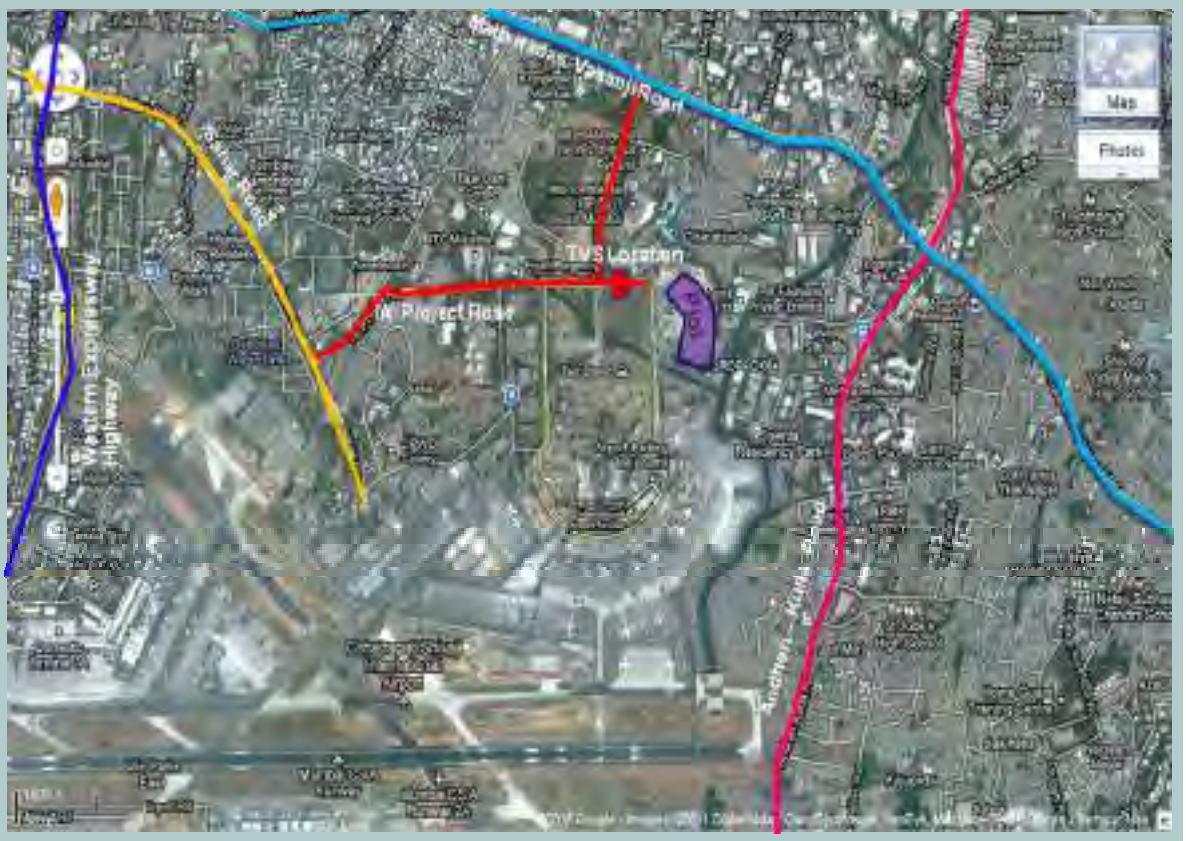
Details calculations & % of saving:

Power Consumption summary							
Sr. no	Description	Area	connected load	Max. Demand Load	Operational hours/day	Annual Load Factor	Annual Power Consumption
		Sq. M.	KW	KW			KWh/sq.mtrs/yr.
1	Office Block Tenant Load	29149	1491	1193	12	0.4	72
2	Office Block Infrastructure Load	14486	667	510	12	0.4	62
3	Retail	62691	8228	3218	24	0.5	225
4	Hotel	73180	Included in Sr. 1,2,3				
	Grand Total	**143505**	**10386**	**4921**			359

ANNEXURE XI

DG ROOM

CHALET HOTELS LTD.



TRAFFIC IMPACT ASSESSMENT FOR PROPOSED HOTEL NEAR SAHAR INTERNATIONAL AIRPORT, MUMBAI

MAY 2011

Submitted by:

AKAR ABHINAV Consultants Pvt. Ltd.
Engineers, Architects, Planners & Graphic Designers
C-401-410, Kukreja Center, Plot No.13, Sector - 11,
C.B.D. Belapur, Navi Mumbai - 400 614
☎: +91 022 27580192, Fax : 91-022-27572533
E-Mail: aakarabhinav@yahoo.co.uk

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1 Traffic Survey Format

2 Hourly Traffic Volume Count

1.0

INTRODUCTION

TRAFFIC IMPACT ASSESSMENT FOR PROPOSED HOTEL NEAR SAHAR INTERNATIONAL AIRPORT, MUMBAI

1.0 INTRODUCTION

1.1 BACKGROUND:

M/s. Chalet Hotels Ltd. (CHL) is developing a Five Star Hotel at Sahara International Airport, Mumbai. CHL appointed M/s. Aakar Abhinav Consultants Pvt. Ltd. as a Traffic consultant for carrying out the traffic impact study.

Accordingly different parameters of the site were studied and a report is made giving recommendations for the development.

1.2 SCOPE OF WORK AND OBJECTIVES OF THE STUDY:

Based on the proposal submitted following scope was identified for the project:

a) Review the External and Internal connectivity aspects so as to appreciate the adequacy of the infrastructure proposed in terms of no. of road lanes at the entry etc., and if need arises suggest suitable alternatives for the better connectivity of the project. The GAD of the bridge under consideration will be studied in detail and accordingly the circulation plan for the entry and exit of the hotel will be designed.
b) Suggest appropriate traffic management measures for smooth traffic flow conditions such as one way scheme etc.,
c) Suggest suitable scheme for parking management in the area and within the hotel plot also.
d) Suggest Parking Management in the basements of the hotel buildings.
e) Prepare traffic impact assessment report based on the above study.

1.3 ORGANISATION OF THE REPORT:

The report has been organised in five chapters. In the first chapter the scope of the assignment as envisaged has been described in detail. The second chapter has been devoted to appreciation of the proposed development. The various traffic related issues around the plot, the major road and rail connectivity have been studied in detail in Chapter 2. In case of chapter three the results of traffic surveys conducted on the road adjacent to the site have been studied in detail. Chapter four deals with the analysis of Trip generations from the proposed development. The conclusions and recommendations of the assignment have been mentioned in chapter five of the report.

2.0

DESCRIPTION OF PROPOSED DEVELOPMENT

2.0 DESCRIPTION OF PROPOSED DEVELOPMENT

2.1 GENERAL:

M/s. Chalet Hotels Limited is developing a Five Star Hotel at Sahara International Airport, Mumbai. The hotel is located at IA Project Road. The domestic and the international airports are nearby as are business centre in north Mumbai. Hotel is of Mix used. There are 582 guest rooms and lower basement, Upper basement, Ground floor and upto 11 floors, 10th and 11th floor is for Future expansion in the hotel complex. The hotel claims to have entrance lobby & pre-function for Grand Ballroom, Shopping, Health Club – Gym, Spa and Swimming Pool etc.

The location of the proposed development is shown in the following figure.2.1

The following establishments are located on the surrounding area.

- Hyatt Regency Hotel
- Pal fashion Pvt Ltd.
- The Lalit Hotel Mumbai
- Spenta Residency park

Figure 2.1

Location of Proposed Development

Figure 2.2 shows the road network for the hotel. IA Project Road is the main approach road for the hotel which is connected to Western Express Highway by Sahar road and LBS road by Mathuradas Vasanji Road.

Figure 2.2

Road Network for proposed development

2.2 FACILITIES AT PROPOSED HOTEL:

There are 582 guest rooms and lower basement , Upper basement ,Ground floor and upto 11 floors , 10th and 11th floor is for Future expansion in the hotel complex.,

The hotel offers two restaurants, Deli and Baking, Shopping, lounge etc. Grand Ball Room, Junior Ball Room, Board room& Business Centre where three meeting rooms In addition, Health Club – Gym, Spa and Swimming Pool etc

The details of function rooms of both the hotels, standard of rooms and Restaurant information are mentioned in the following tables.

Table 2.1

J.W Marriott Sahar Hotel Restaurant and Function Room Details

J.W MARRIOTT SAHAR	
Restaurants & Bar:	
Speciality Restaurant 1	362sqm/ 145 seats
All Day Dining Restaurant	500sqm/ 200 seats
Bar & speciality Restaurant	320sqm/ 128 seats
Banquet / Conference Halls	
Grand Ball room	961sqm/ 801seats
Junior Ball room	310sqm/ 258seats
Board room & Business Center	229sqm/ 76seats
Meeting room - 1	79sqm/ 31seats
Meeting room - 2	115sqm/ 46seats
Meeting room - 3	63sqm/ 25seats

Source: E-mail received from CHL

2.3 ROAD AND RAIL CONNECTIVITY:

The proposed land under consideration has good external connectivity. The present and future connectivity has been appreciated in the following paragraphs.

2.3.1 PRESENT EXTERNAL CONNECTIVITY:

The location map of the area has been presented in Figure 2.1.

From the location map one can see that the land parcel considered for development is along IA Project Road. I A Project Road Intersects Sahar road and meets Western Express Highway and it also intersects at Mathuradas Vasanji Road and further meets with Eastern Express Highway.

As far as connectivity from the public transport route is considered the Andheri railway station is approximately 30 minutes walking distance on the western railway corridor from the land parcel under consideration. The BEST – (Public Transport

Service in Mumbai) which is lifeline of Mumbai also operate large number of routes on these main roads namely Mathuradas Vasanji Road and Sahar Road and I A Project Road.

Government of Maharashtra through MMRDA (Mumbai Metropolitan Development Authority) is constructing direct exclusive link from Western Express Highway to Airport. The link will be six lane road. On Sahar road this road link will be a Flyover with piers at the median of the existing road. The work on this road is already started and the work is under full swing when the flyover is completed, all the traffic going to Airport will be diverted on this link as it will provide of sigh of relief to air travellers particularly who have to combat heavy traffic in order to reach the Chhatrapati Shivaji International airport. The elevated road has been planned to provide an enhanced level of service.

Figure 2.3

Photograph of Flyover near Project site.

2.3.2 FUTURE EXTERNAL CONNECTIVITY:

The development plans for Mumbai metropolitan region were studied so as to appreciate various works being undertaken by Mumbai Metropolitan Regional Development Authority. The map showing the future metro corridors as well as mono rail corridor were studied. The figure 2.4 & figure 2.5 shows the map of Mumbai showing the future mass transport corridors .From the map one can see that in future years to come there will be a dense network of Public transport corridors namely metro system/ mono rail corridor passing through the area.

A close observation of the map also indicates that a metro rail corridor has been planned connecting the BKC to Kanjurmarg line no -6 and Versova to Ghatkopar line no -1 .One can see that the metro corridor, which falls under 500m radius from the Proposed Plot. All this will lead to improvement of public transportation System.

Figure 2.4
Future External Connectivity

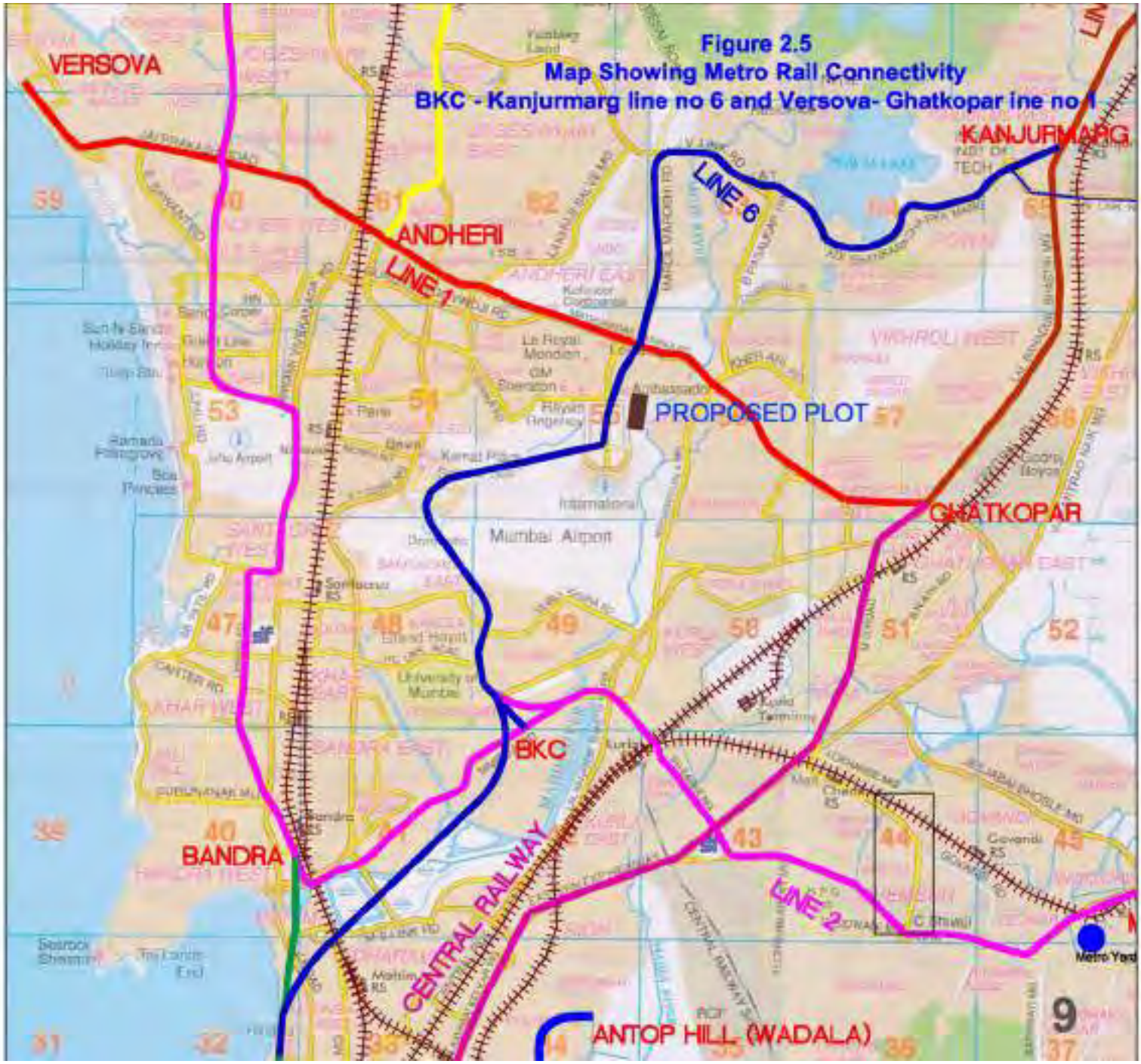


Figure 2.5
Map Showing Metro Rail Connectivity
BKC - Kanjurmarg line no 6 and Versova- Ghatkopar line no 1

3.0

TRAFFIC VOLUME SURVEYS

TRAFFIC IMPACT ASSESSMENT FOR PROPOSED HOTEL NEAR SAHAR INTERNATIONAL AIRPORT, MUMBAI

3.0 TRAFFIC VOLUME SURVEYS

In order to arrive at the present traffic demand and appreciate the travel characteristics of the road users in the project area, field studies were organised. The field studies organised as well as the observations from the field studies have been presented in this chapter. Section 3.1 deals with the traffic volume count survey.

3.1 TRAFFIC VOLUME SURVEY:

As part of the data collection it was decided to undertake the traffic volume count surveys so as to get the present peak hour demand on the approach road.

Following road location is selected for the traffic volume count survey:

1. IA Project Road

The traffic volume count survey was undertaken for one day for 24 hours at this location on 03-05-2011.

3.2 METHODOLOGY OF TRAFFIC SURVEY

The traffic survey formats are designed on the basis of objectives of the study and the data to be collected during the survey. These formats are kept at **Annexure –1.** Special teams consisting of Traffic Engineer and enumerators were constituted to carry out the surveys. The activity included: -

- Training of enumerators
- Constitution of survey teams
- Carrying out of surveys

3.2.1 TRAINING OF ENUMERATORS:

Enumerators identified for development of traffic surveys were trained in identification of various categories of vehicles and appropriately filling up of Performa/formats before the work is commenced on surveys.

3.2.2 SURVEY TEAMS:

Each team was consisting of one supervisor and adequate enumerators, depending on location and scope of the survey.

3.2.3 TRAFFIC VOLUME SURVEY SCHEDULE :

This was carried out manually and counts were recorded at 15 minutes intervals. The direction wise survey was carried out continuously for 24 hrs from 9.00 AM to 9.00 PM on Tuesday, 03-05-2011. The vehicle classifications as suggested in TOR/IRC Codes were followed. The same has been reflected in Traffic Volume survey formats. All results have been presented in tabular and graphical forms. The data collected was computerized in MS-EXCEL software.

3.2.4 TRAFFIC CHARACTERISTICS OF IA PROJECT ROAD:

Table 3.3 presents the summary of Traffic volume count.

Table 3.1

Daily Traffic volumes by vehicle type on IA Project Road

Type of Vehicles	No. of vehicles per hr		
	Vileparle to Airport	Airport to Vileparle	Bothway
Car/Vans/Jeeps	9726	1896	11622
Taxi	3340	2406	5746
Mini Buses	69	92	161
BEST/Govt. Bus	474	510	984
Private Bus	300	77	377
Auto Rikshaw	3725	2798	6523
Two Wheelers	1221	1376	2597
Goods Auto	57	168	225
LCV's	212	187	399
Trucks/ Dumpers	492	521	1013
MAV/Trailers/Containers	25	30	55
Others	38	23	61
Total Vehicles	19679	10084	29763
Total PCUs	21016	11196	32212

Source: Traffic Survey, May 2011

Table 3.2

Peak Hour Traffic volumes by vehicle type on IA Project Road

Type of Vehicles	No. of vehicles per hr		
	Vileparle to Airport	Airport to Vileparle	Bothway
Car/Vans/Jeeps	1090	99	1189
Taxi	224	109	333
Mini Buses	8	5	13
BEST/Govt. Bus	25	26	51
Private Bus	22	2	24
Auto Rikshaw	222	115	337
Two Wheelers	95	72	167
Goods Auto	6	0	6
LCV's	4	7	11
Trucks/ Dumpers	22	28	50
MAV/Trailers/Containers	1	2	3
Others	0	4	4
Total Vehicles	1719	469	2188
Total PCUs	1762	543	2305

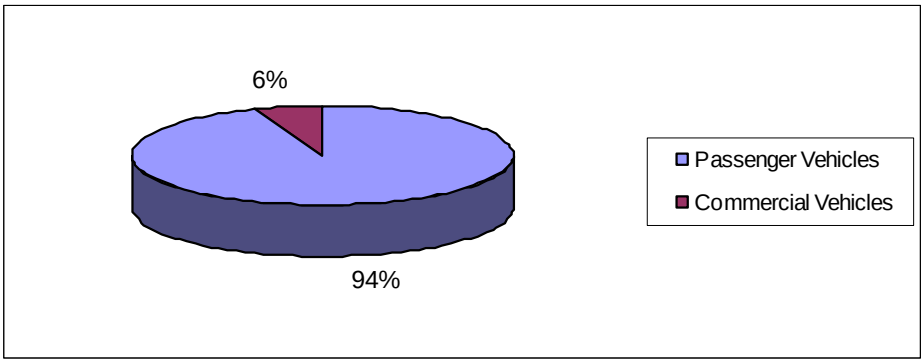
Source: Traffic Survey, May 2011

3.2.5 COMPOSITION OF COMMERCIAL AND PASSENGER TRAFFIC:

The analysis of composition of traffic on I A project Road shows that the commercial vehicles traffic is about 6% of total traffic and the percentage of passenger vehicles traffic is at 94% of total traffic.

Figure 3.1

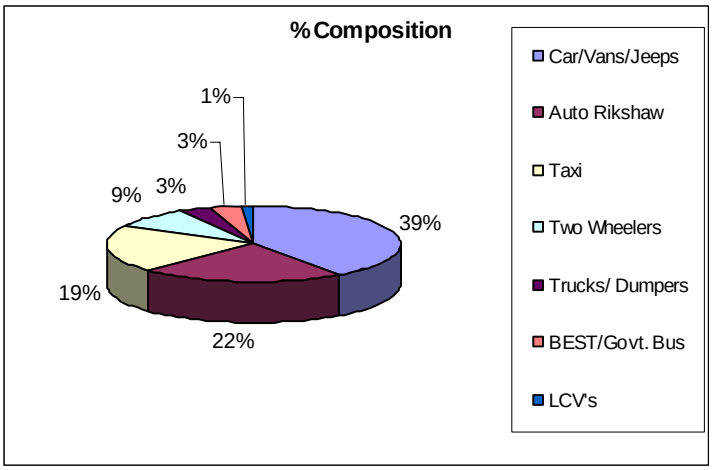
Compositions of Passenger & Commercial Vehicles on IA Project Road



On IA Project Road, the % of Cars and Auto Rickshaws in the total traffic volume is 39% & 22% respectively. The % composition of Taxies and two Wheelers is around 19%.and 9% .buses contributes only 3% of the total traffic.

Figure 3.2

% Composition of Traffic on IA Project Road

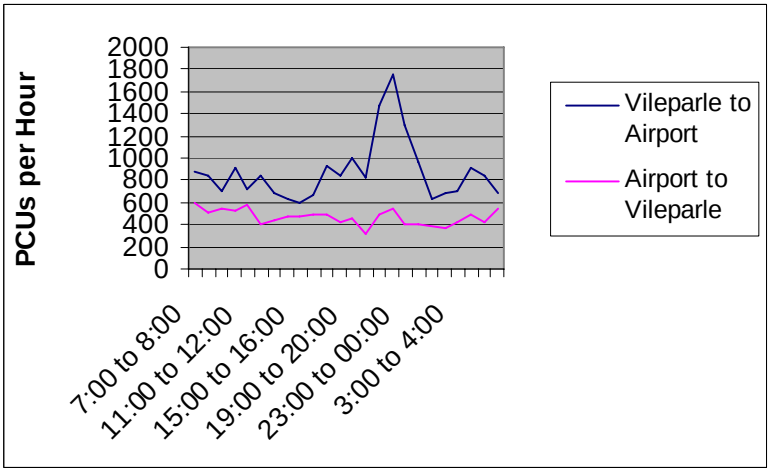


3.3.2 HOURLY VARIATION OF TRAFFIC

Figure 3.3 presents the hourly variation of traffic. The peak hour traffic of 2305 PCUs/hr is observed between peak period 22:00 to 23:00 hrs.

Figure 3.3

Hourly Variation of Traffic on IA Project Road



The Peak Hour Factor (PHF) (defined as the ratio between the numbers of vehicles counted during the peak hour in terms of PCU per hour to the total vehicles counted in a day is 7%.

IA Project Road is a 4 lane divided road. The capacity of this road as per IRC: 106-1990 is 3600 PCUs/hr. The Peak hour traffic is observed as 2305 PCUs/hr (**Table 3.2**).Hence the present Volume to Capacity Ratio (V/C Ratio) is 0.64. The directional distribution of traffic was studied. The average traffic in the direction from Vileparle to Airport is 70% of the total traffic as compared to 30% in the direction from Airport to Vileparle. The distribution is in a ratio of 70%: 30% as the traffic entering the airport will not use the same road for exiting, perhaps there is another link for return traffic which is one way road, major traffic uses this link for dispersal and some percentage of traffic uses the same link.

4.0

TRIP GENERATIONS

TRAFFIC IMPACT ASSESSMENT FOR PROPOSED HOTEL NEAR SAHAR INTERNATIONAL AIRPORT, MUMBAI

4.0 TRIP GENERATIONS

In order to arrive at the traffic demand on various external links approaching the proposed land parcel for the development, the built up areas, the type of development envisaged etc. was studied and on the basis of the same the traffic on various links has been arrived at.

4.1 MODAL SPLIT:

The modal split will analyse the mode used by the residents for their day to day trips. The modal split was studied in detail recommended by various studies. As the modal split will change with respect to the availability of public transport facilities and the road network around the proposed land parcel, the most relevant area for the comparison was studied. The following mode splits are observed during our past studies and the same is used here for predicting no. of vehicles by mode.

Table 4.1

Modal splits for Different Land uses

Mode used	% of total trips Guest Rooms		% of total trips Banquet Hall		% of total trips Board Rooms	
	Guest	Staff	Guest	Staff	Guest	Staff
Cars	100%	10%	85%	10%	100%	10%
Two Wheelers	0%	30%	5%	30%	0%	30%
Auto	0%	20%	10%	20%	0%	20%
Bus	0%	40%	0%	40%	0%	40%
Total	100%	100%	100%	100%	100%	100%

The occupancy rates as observed from the survey can be considered for arriving at the number of vehicles. The occupancy rates (number of persons per vehicles) for various vehicles considered are as follows:

Table 4.2

Vehicle Occupancy values for Different Land uses

Mode used	Guest Rooms		Banquet Hall		Board Rooms	
	Guest	Staff	Guest	Staff	Guest	Staff
Car	1.5	1.2	2.5	1.2	1.2	1.2
Two Wheelers	2	1.2	2	1.2	2	1.2
Auto Rikshaw	2	1.5	2	1.5	2	1.5
Bus	45	45	45	45	45	45

4.2 CO-RELATION OF TRAFFIC DEMAND WITH RESPECT TO GUEST ROOMS:

At present the hotel has 582 guest rooms. The occupancy is considered as 98% Therefore for 98% occupancy, the number of rooms occupied will be about 570 Units. Number of guest per room is 1.5 ,therefore Number of Trips Entering the Premise i.e. Trips per Hour is derived on the basis of 570 guest rooms multiplied by 1.5 guest per room 855 Guests and staff per guest room is considered as 0.8 where total no. of staff works out to be as 931 persons.

Table 4.3

Details for Guest and Staff entering the Hotel premises

With Respect to Guest Rooms.

Particulars	Numbers	Unit
No of rooms	582	Rooms
Occupancy	98	%
No of rooms occupied	570	Rooms
No of guest per room	1.5	persons
No of guests	855	persons
Staff per guest room	0.8	persons
No of staff	931	persons

4.3 CO-RELATION OF TRAFFIC DEMAND WITH RESPECT TO BANQUET HALL:

The total number of guest for Banquet hall is 1532 (Refer Table 2.1). Staff per Guest is considered as 0.1 person therefore the total staff for 1532 guests works out to be 306 persons. Based on modal split and occupancy (Refer table 4.1 & 4.2)for Banquet hall . The traffic demand is estimated in terms of PCUs/hr for banquet hall.

Table 4.4

Details for Guest and Staff entering the Hotel premises

With Respect to Banquet Hall

Particulars	Numbers	Unit
No of guests	1532	persons
Staff per guest	0.1	persons
No of staff	306	persons

4.4 CO-RELATION OF TRAFFIC DEMAND WITH RESPECT TO BOARD ROOMS:

The total number of guest for Board Rooms is 178 (Refer Table 2.1). Staff per Guest is considered as 0.2 persons therefore the total staff for 178 guests works out to be 71 persons. Based on modal split and occupancy (Refer table 4.1 & 4.2) for Board room . The traffic demand is estimated in terms of PCUs/hr for Board room.

Table 4.5

Details for Guest and Staff entering the Hotel premises

With Respect to Board Room.

Particulars	Numbers	Unit
No of guests	178	persons
Staff per guest	0.2	persons
No of staff	71	persons

4.5 ESTIMATED TRAFFIC DEMAND FOR HOTEL ROOMS , BANQUET HALL AND BOARD ROOM IN TERMS OF PCU/HR

Hence, the total traffic generation from the land parcel will be as follows:

Table 4.6

Peak Hour trips (PCU/hr) for Different Land uses

Time Interval	Estimated Traffic from Development PCUs/Hr			
	Guest Rooms	Banquet & Restaurant	Board rooms	Total
7:00 to 8:00	87	22	3	112
8:00 to 9:00	87	22	16	125
9:00 to 10:00	548	10	49	606
10:00 to 11:00	243	40	74	357
11:00 to 12:00	0	0	30	30
12:00 to 13:00	0	0	0	0
13:00 to 14:00	0	0	0	0
14:00 to 15:00	0	0	0	0
15:00 to 16:00	64	41	0	105
16:00 to 17:00	32	10	0	42
17:00 to 18:00	47	10	44	101
18:00 to 19:00	64	52	77	193
19:00 to 20:00	15	339	46	399
20:00 to 21:00	77	249	5	331
21:00 to 22:00	0	298	0	298
22:00 to 23:00	**228**	**171**	**0**	**399**
23:00 to 00:00	115	22	0	137
0:00 to 1:00	68	0	0	68
1:00 to 2:00	0	0	0	0
2:00 to 3:00	0	0	0	0
3:00 to 4:00	0	0	0	0
4:00 to 5:00	0	0	0	0
5:00 to 6:00	0	0	0	0
6:00 to 7:00	0	0	0	0
Total	1674	1284	342	3300

From the table above one can see the Peak hr traffic is 399 PCUs/hr in peak period of 22.00 to 23.00 hrs.

4.6 TRAFFIC IMPACT OF PROPOSED DEVELOPMENT ON ROAD NETWORK:

The traffic generated from the development will be added to the existing traffic on the approach roads. The development is abutting I A Project Road.

The present traffic on IA Project Road is 2305 PCU/hr and the corresponding v/c ratio is 0.64.The capacity of this road is 3600 PCUs/hr which is more than the estimated traffic. The volume to Capacity Ratio, V/C ratio, will increase to 0.64.

The following table presents the above analysis in tabular form.

Table 4.7

Traffic Impact on Approach Road

Traffic due to Hotel	PCU/hr	399
Present Traffic on The approach Road	PCU/hr	2305
Present Capacity of the road	PCU/hr	3600
Existing V/C Ratio		0.64

The directional distribution of traffic on Flyover and Ground level is in a ratio of 70% & 30% respectively. The traffic is projected on the basis of directional distribution which is 1614 PCUs/hr for Flyover road and 692 PCUs/hr for Ground level road

As flyover is built on approach road the capacity of this road is 3600 PCUs/hr and capacity of road on the ground level will be 2400 PCUs/hr which is more than the estimated traffic. The volume to Capacity Ratio, V/C ratio, for Flyover traffic and for Ground Level traffic is 0.45 and 0.29 respectively

The total traffic on this Road after commissioning of the proposed development is estimated to be 1614 PCUs/hr. for Flyover traffic and 399 PCUs/hr is added to the

existing traffic on the Ground level road. Hence the total traffic on the Ground Level road will be 1091 PCUs/hr and the corresponding v/c ratio is 0.45 and for ground level road the v/c ratio, will increase to 0.45. Hence it can be concluded that present road is sufficient to absorb the additional traffic generated from proposed development.

The following table presents the above analysis in tabular form

Table 4.8

Traffic Impact Summary for Proposed Development.

Particulars	Unit	Flyover	Gr. Level Road
Distribution of Traffic on flyover and Ground level	PCU/hr	1614	692
Projected Traffic after Development of Hotel	PCU/hr	1614	1091
Capacity of the road	PCU/hr	3600	2400
Present V/C Ratio		0.45	0.29
After development V/C Ratio		0.45	0.45

5.0

CONCLUSIONS

5.0 CONCLUSIONS

1. M/s. Chalet Hotels Ltd. (CHL) is developing a Five Star Hotel at Sahara International Airport, Mumbai.
2. M/s. Chalet Hotels Ltd. (CHL) appointed M/s. Aakar Abhinav Consultants Pvt. Ltd. as a Traffic consultant for carrying out the traffic impact study
3. The estimated total traffic generation from the land parcel will be as follows:

Time Interval	Estimated Traffic from Development PCUs/Hr			
	Guest Rooms	Banquet & Restaurant	Board rooms	Total
7:00 to 8:00	87	22	3	112
8:00 to 9:00	87	22	16	125
9:00 to 10:00	548	10	49	606
10:00 to 11:00	243	40	74	357
11:00 to 12:00	0	0	30	30
12:00 to 13:00	0	0	0	0
13:00 to 14:00	0	0	0	0
14:00 to 15:00	0	0	0	0
15:00 to 16:00	64	41	0	105
16:00 to 17:00	32	10	0	42
17:00 to 18:00	47	10	44	101
18:00 to 19:00	64	52	77	193
19:00 to 20:00	15	339	46	399
20:00 to 21:00	77	249	5	331
21:00 to 22:00	0	298	0	298
22:00 to 23:00	**228**	**171**	**0**	**399**
23:00 to 00:00	115	22	0	137
0:00 to 1:00	68	0	0	68
1:00 to 2:00	0	0	0	0
2:00 to 3:00	0	0	0	0
3:00 to 4:00	0	0	0	0
4:00 to 5:00	0	0	0	0
5:00 to 6:00	0	0	0	0
6:00 to 7:00	0	0	0	0
Total	1674	1284	342	3300

4. The traffic impact of proposed development will be as follows

Traffic Impact on Approach Road

Traffic due to Hotel	PCU/hr	399
Present Traffic on The approach Road	PCU/hr	2305
Present Capacity of the road	PCU/hr	3600
Existing V/C Ratio		0.64

Traffic Impact Summary for Proposed Development

Particulars	**Unit**	**Flyover**	**Gr. Level Road**
Distribution of Traffic on flyover and Ground level	PCU/hr	1614	692
Projected Traffic after Development of Hotel	PCU/hr	1614	1091
s Capacity of the road	PCU/hr	3600	2400
Present V/C Ratio		0.45	0.29
After development V/C Ratio		0.45	0.45

5. Hence it can be concluded that present road is sufficient to absorb the additional traffic generated from proposed development.

ANNEXURES

TRAFFIC IMPACT ASSESSMENT FOR PROPOSED HOTEL NEAR SAHAR INTERNATIONAL AIRPORT, MUMBAI

ANNEXURE-1

TRAFFIC SURVEY FORMAT

TRAFFIC IMPACT ASSESSMENT FOR PROPOSED HOTEL NEAR SAHAR INTERNATIONAL AIRPORT, MUMBAI

Annexure - 1
Traffic Volume Survey for Mumbai

Name of Road: Date : Enumerator : Bunch No. :

Location : Day : Supervisor : Sheet No. :

Direction : Weather :

Time* (15mts)	Car/Vans/Jeeps	Taxi	Mini Buses	BEST/Govt. Bus	Private Bus	Auto Rikshaw	Two Wheelers	Goods Auto	LCV's	Trucks/ Dumpers	MAV/Trailers/Containers	Others
: 00												
to												
: 15												
TOTAL												
: 15												
to												
: 30												
TOTAL												
: 30												
to												
: 45												
TOTAL												
: 45												
to												
: 00												
TOTAL												

Note : * Strictly follow 24 hr. Clock (Example 18:00 to 18:15)

LCV *- Light Commercial Vehicle.*

Aakar Abhinav Consultants Pvt. Ltd.
CBD Belapur, Navi Mumbai

ANNEXURE-2

HOURLY TRAFFIC VOLUME COUNT

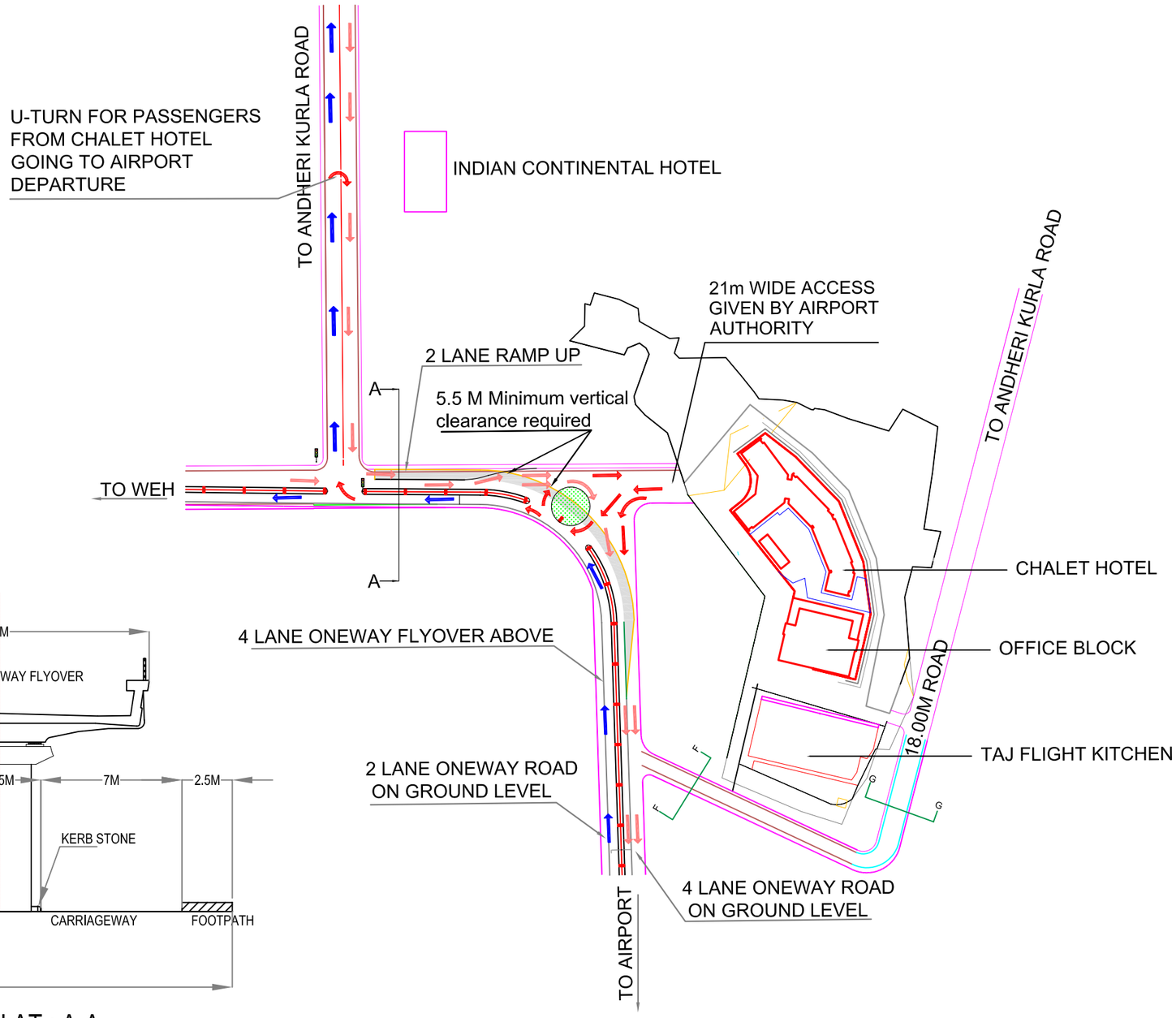
TRAFFIC IMPACT ASSESSMENT FOR PROPOSED HOTEL NEAR SAHAR INTERNATIONAL AIRPORT, MUMBAI

Annexure - 2
Traffic Volume Survey for Mumbai

NAME OF ROAD : International Airport Project Road
SURVEY LOCATION : Chalet Hotel
DIRECTION : BOTHWAY
DATE : 19-05-11
DAY : Thursday
HRS. : 24

PCU Factor		1	1	1.5	3	3	0.75	0.5	0.75	1.5	3	4.5	4.5		
Time Interval	1:00														
From	To	Car/Vans /Jeeps	Taxi	Mini Buses	BEST/Govt. Bus	Private Bus	Auto Rikshaw	Two Wheelers	Goods Auto	LCV's	Trucks/ Dumpers	MAV/Trailers/Containers	Others	Total Vehicles	Total PCUs
9.00	10.00	248	212	2	75	7	358	187	19	22	41	0	1	1172	1246
10.00	11.00	418	128	13	60	10	443	196	8	23	47	6	4	1356	1432
11.00	12.00	317	158	2	72	2	311	148	15	36	56	1	10	1128	1290
12.00	13.00	413	194	12	55	6	245	120	13	24	45	0	3	1130	1246
13.00	14.00	304	116	4	61	15	257	138	11	27	43	3	3	982	1121
14.00	15.00	256	116	1	51	9	234	184	19	30	58	4	8	970	1108
15.00	16.00	244	98	0	55	14	258	115	20	24	54	6	3	891	1054
16.00	17.00	324	159	4	59	10	265	137	20	24	42	3	4	1051	1172
17.00	18.00	476	224	14	51	13	270	159	13	26	54	4	1	1305	1428
18.00	19.00	401	164	11	57	19	232	136	12	29	36	5	4	1106	1253
19.00	20.00	469	219	3	56	39	278	134	9	13	49	4	4	1277	1462
20.00	21.00	345	145	4	57	20	286	85	4	26	34	1	2	1009	1142
21.00	22.00	914	333	10	58	42	208	87	10	7	55	3	4	1731	1976
22.00	23.00	1189	333	13	51	24	337	167	6	11	50	3	4	2188	2305
23.00	0.00	873	326	3	20	17	272	79	5	5	44	0	0	1644	1701
0.00	1.00	627	258	6	0	13	291	44	0	9	58	1	0	1307	1365
1.00	2.00	473	270	7	0	7	135	30	0	2	38	0	0	962	1008
2.00	3.00	505	260	10	0	10	144	24	3	2	38	1	0	997	1054
3.00	4.00	560	317	15	0	7	144	45	3	2	20	2	0	1115	1125
4.00	5.00	646	428	7	5	5	171	65	18	9	32	1	1	1388	1407
5.00	6.00	462	375	4	16	9	281	65	4	8	26	1	0	1251	1259
6.00	7.00	435	366	11	38	16	219	37	1	4	24	0	0	1151	1241
7.00	8.00	443	348	3	31	31	364	104	4	14	29	6	5	1382	1467
8.00	9.00	280	199	2	56	32	520	111	8	22	40	0	0	1270	1351
Total		**11622**	**5746**	**161**	**984**	**377**	**6523**	**2597**	**225**	**399**	**1013**	**55**	**61**	**29763**	**32212**
Peak Hr Traffic		1189	333	13	51	24	337	167	6	11	50	3	4	2188	2305

Figure :3.5



SECTION AT : A-A

CONSULTANT:-

AAKAR ABHINAV CONSULTANTS PRIVATE LIMITED
ENGINEERS, ARCHITECTS, PLANNERS & GRAPHIC DESIGNERS
C/401- 410, KUKREJA CENTER, PLOT No.13,
SECTOR-11, CBD BELAPUR, NAVI-MUMBAI.
Tel : 2758 0192, FAX : 2757 2533
E-mail: aakarabhinav@yahoo.co.uk

CLIENT:--

CHALET HOTELS LTD.

PROJECT:-
TRAFFIC IMPACT STUDY FOR PROPOSED FIVE STAR HOTEL AT SAHAR AIRPORT

TITLE :- SCHEMATIC DRAWING FOR TRAFFIC CIRCULATION ON GROUND LEVEL ROAD

PURPOSE OF DRAWING: FOR PLANNING

DWG. NO. AAKAR/26//A CHALET HOTELS

SCALE :NTS | DATE :13/07/2011 | REV :- PO

ANNEXURE XIII

ORGANIC WASTE CONVERTER

ANNEXURE XIV

Public Notice

M/s. Chalet Hotels Pvt. Ltd.

Proposed expansion of Star Category Hotel Project on Plot bearing CTS Nos. 1483, 1491, 1495, 1496A, 1496B, 1503/4 & 1500D (New CTS Nos. 1483/A (part), 1483/C & 1483/D) village Marol, Mumbai being developed by M/s Chalet Hotels Pvt. Ltd., has been accorded revised Environmental Clearance by Environment Department, Government of Maharashtra vide letter No. SEAC-2013/CR-73/TC-1 Dated 11th December 2014 for expansion and additional development. The copy of clearance letter is available with the Maharashtra State Pollution Control Board and may also be seen on the website of the Environment Department of Government of Maharashtra at **http://ec.maharashtra.gov.in.**

जाहीर सूचना

मे. शॅले हॉटेल्स प्रा. लि.

स.नं. १४८३, १४९१, १४९५, १४९६ अ, १४९६ ब, १५०३/४ आणि १५०० ड (नवीन भूमापन क्र. १४८३/अ (भाग), १४८३/क, १४८३/ड) मौजे मरोळ, तालुका-अंधेरी, मुंबई येथील मे. शॅले हॉटेल्स प्रा.लि. विकास करीत असलेल्या प्रस्तावित तारांकित प्रकल्पाला पर्यावरण विभाग, महाराष्ट्र शासन यांच्याकडून **SEAC-2013/CR- 73/TC-1** या पत्रान्वये दिनांक ११ डिसेंबर, २०१४ रोजी पर्यावरण विषयक सुधारित मंजुरी देण्यात आलेली आहे. सदर मंजुरीची प्रत महाराष्ट्र प्रदूषण नियंत्रक मंडळ यांच्या कार्यालयामध्ये व पर्यावरण विभाग महाराष्ट्र शासन यांच्या **http://ec.maharashtra.gov.in** या संकेतस्थळावर उपलब्ध आहे.