



HARYANA STATE POLLUTION CONTROL BOARD
C-11, SECTOR-6, PANCHKULA

Website – www.hspcb.gov.in E-Mail - hspcb.pkl@sifymail.com

Telephone No. – 0172-2577870-73

No. HSPCB/Consent/ : 2821213PITCTE253249

Dated:14/10/2013

To

M/s : Stanza Developers and Infrastructure Pvt. Ltd.
Sector-19, Panipat, Haryana
PANIPAT
132103

Sub. : Issue of Consent to Establish from pollution angle .

Please refer to your Consent to Establish application received in this office on the subject noted above. Under the Authority of the Haryana State Pollution Control Board vide its agenda Item No. 47.8 dated 28.04.83 sanction to the issue of “Consent to Establish” with respect to pollution control of Water and Air is hereby accorded to the unit Stanza Developers and Infrastructure Pvt. Ltd., for manufacturing of **Residential Colony** with the following terms and conditions:-

1. The industry has declared that the quantity of effluent shall be 230 KL/Day i.e 0KL/Day for Trade Effluent, 0 KL/Day for Cooling, 230 KL/Day for Domestic and the same should not exceed .
2. The above “Consent to Establish” is valid for two years from the date of its issue to be extended for another one year at the discretion of the Board or till the time the unit starts its trial production whichever is earlier. The unit will have to set up the plant and obtain consent during this period.
3. The officer/official of the Board shall have the right to access and inspection of the industry in connection with the various processes and the treatment facilities being provided simultaneously with the construction of building/machinery. The effluent should conform the effluent standards as applicable
4. That necessary arrangement shall be made by the industry for the control of Air Pollution before commissioning the plant. The emitted pollutants will meet the emission and other standards as laid/will be prescribed by the Board from time to time.
5. The applicant will obtain consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of the Air (Prevention & Control of Pollution) Act, 1981 as amended to-date-even before starting trial production
6. The above Consent to Establish is further subject to the conditions that the unit complies with all the laws/rules/decisions and competent directions of the Board/Government and its functionaries in all respects before commissioning of the operation and during its actual working strictly.
7. No in-process or post-process objectionable emission or the effluent will be allowed, if the scheme furnished by the unit turns out to be defective in any actual experience
8. The Electricity Department will give only temporary connection and permanent connection to the unit will be given after verifying the consent granted by the Board, both under Water Act and Air Act.
9. Unit will construct the proper septic tank as per Bureau of Indian Standards.
10. Unit will raise the stack height of DG Set/Boiler as per Board's norms.

11. Unit will maintain proper logbook of Water meter/sub meter before/after commissioning.
12. That in the case of an industry or any other process the activity is located in an area approved and that in case the activity is sited in an residential or institutional or commercial or agricultural area, the necessary permission for siting such industry and process in an residential or institutional or commercial or agricultural area or controlled area under Town and Country Planning laws CLU or Municipal laws has to be obtained from the competent Authority in law permitting this deviation and be submitted in original with the request for consent to operate.
13. That there is no discharge directly or indirectly from the unit or the process into any interstate river or Yamuna River or River Ghaggar.
14. That the industry or the unit concerned is not sited within any prohibited distances according to the Environmental Laws and Rules, Notification, Orders and Policies of Central Pollution control Board and Haryana State Pollution Control Board.
15. That of the unit is discharging its sewage or trade effluent into the public sewer meant to receive trade effluent from industries etc. then the permission of the Competent Authority owing and operating such public sewer giving permission letter to his unit shall be submitted at time of consent to operate.
16. That if at any time, there is adverse report from any adjoining neighbor or any other aggrieved party or Municipal Committee or Zila Parishad or any other public body against the unit's pollution; the Consent to Establish so granted shall be revoked.
17. That all the financial dues required under the rules and policies of the Board have been deposited in full by the unit for this Consent to Establish.
18. In case of change of name from previous Consent to Establish granted, fresh Consent to Establish fee shall be levied.
19. Green belt of adequate width shall be provided by the unit before commissioning.
20. In case of unit does not comply with the above conditions within the stipulated period, Consent to Establish will be revoked.
21. Industry should adopt water conservation measures to ensure minimum consumption of water in their Process. Ground water based proposals of new industries should get clearance from Central Ground Water Authority for scientific development of previous resource.
22. This Consent to Establish would be invalid if it is established in the non-conforming area.
23. That the unit will take all other clearances from concerned agencies, whenever required.
24. That the unit will obtain consent under Water & Air Acts & authorization under HWTM Rules from the Board before coming into production.
25. That the unit will not change its process without the prior permission of the Board.
26. That the Consent to Establish so granted will be invalid, if the unit falls in Aravali Area.
27. That the unit will comply with the Hazardous Waste Management Rules and will also make the non-leachate pit for storage of Hazardous waste and will undertake not to dispose off the same except for pit in their own premises or with the authorized disposal authority.
28. That the unit will submit an affidavit that it will comply with all the specific and general conditions as imposed in the above Consent to Establish within 30 days failing which Consent to Establish will be revoked.
29. That unit will obtain EIA from MoEF, if required at any stage.

Specific Conditions

- 1 Unit shall obtain trial consent to operate before start of production.

Other Conditions :

1. Unit will comply all the conditions of EIA/NOC.

Senior Scientist, HQ
For and on behalf of chairman
Haryana State Pollution Control Board

Uttar Haryana Bijli Vitran Nigam Ltd
Memo No-3858 Dt-21-X-2013

From S.D.O Suburban Division
UHBVN Panipat

To M/s STANZA Developers &
Infrastructure Pvt Ltd (La Regencia)
Sector-19 Panipat

Subject :- Electrification Plan of 'La Regencia'.

In this connection ~~it~~ is informed to you that your Electricity Plan has been approved from the Competent authority of the Nigam. As per Nigam's instruction you may proceed the Load demand as per approved Schedule (Electricity Plan) as per approved terms and conditions.


Sub Divisional Officer
Sub Urban Sub Division,
UHBVN, PANIPAT

DA/- Sanction Letter of G.M Comm. PkL with Terms & Conditions for your Ref. enclosed herewith.



UTTAR HARYANA BIJLI VITRAN NIGAM LIMITED

(A Government of Haryana Undertaking)

Office: CGM/Comm1, Shakti Bhawan, Sector-6, Panchkula, Haryana

Telephone No. & Fax No. 0172-2583722

E-Mail address: cgmcommercialuhbvn@gmail.com

To

Chief Engineer/OP,
UHBVN, Rohtak

Memo No.: - Ch-08/SS-403/514/CGM/C-II

Dated: 04.10.13

Subject: Electrification Plan of 'La Regencia' group housing developed by M/s Stanza Developers & Infrastructure Pvt. Ltd. Sector-19, Panipat.

Please refer to your office Memo No. Ch-02/C-488/DRG-PNP dated 04.06.13.

The electrification layout plan is approved subject to fulfillment of the following terms and conditions:-

1. The firm will connect 11 KV independent feeder from Sector-13-17 S/Str. or nearby point where 11 exists and also bear the entire cost.
2. The firm will be given single point connection as per instructions of the Nigam.
3. The firm shall only be given connection after confirmation of the completion of electrical work as per electrification plan of phase-I of four towers.
4. All the terms & conditions laid down in SC No. U-14/2013 with latest amendment from time to time shall be complied with strictly.

This issue with the approval of Director 'OP' UHBVN, Panchkula.

DA: 2 Nos. files

General Manager/Comm1,
for Chief General Manager/Comm1,
UHBVN, Panchkula.

CC: SE 'OP' circle, UHBVN, Panipat.

Endst No. Ch-4/C-488/DRG-PNP Dt. 9-10-2013.

Copy of the above alongwith enclosure is forwarded to SE op circle Panipat for information & n.a. pl.

DA/one set.

Endst No 6/DS-EL-S-77 dt. 11-10-13

Copy of the above alongwith enclosure is forwarded to the XEN S/V Panipat for information and n.a. pl.

not
CHD

Endst No. 229 / DRG-5 dt. 15/10/13
Copys of the above is forwarded to SE S/V PNP
for info n.a. pl.
DD/Completed.

SE op circle Panipat

From

The Director,
Town and Country Planning,
Haryana, Chandigarh.

To

M/S Stanza Developers & Infrastructure Pvt. Ltd.
595-98, HUDA, Phase-I,
Sector-11-12, Panipat.

Memo No. DS-2006/ 13976

Dated: 10-5-06

Subject: Grant of licence for setting up of a group housing colony on the land measuring 10.0125 acres at village Ajjualapur, District Panipat in residential sector-19 of the published draft development plan of Panipat
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Reference your application dated 14.2.2006 on the subject noted above.

2. Your case/request for grant of licence under section 3 of the Haryana Development and Regulation of Urban Areas Act, 1975 for the development of a group housing colony on the land measuring 10.0125 acres has been examined/considered by the department and it is proposed to grant licence to you. You are therefore, called upon to fulfill the following requirements/conditions laid down in Rule 11 of the Haryana Development and Regulation of Urban Areas Rules, 1976 within a period of thirty days from the date of issue of this notice failing which your request for grant of licence shall be refused:

To furnish 100% bank guarantee on account of internal development works for the amount calculated as under which should be initially valid for a period of five years :-

i)	Total Area	=10.0125 acres
ii)	interim rate for development	=Rs.25.00 lacs per acre
iii)	Total cost of development	=Rs.250.3125 lacs
iv)	Construction cost of two internal Community building.	=Rs. 44.70 lacs
v)	Total cost (iii+iv)	=Rs.295.0125 lacs

It is made clear that the bank guarantee of internal development works has been worked out on the interim rates and you will have to submit the additional bank guarantee if any, required at the time of approval of service plan/estimates according to the approved layout plan. With an increase in the cost of construction and an increase in the number of facilities in the layout plan, you would be required to furnish an additional bank guarantee within 30 days on demand.

[Signature]

[Signature]

To deposit an amount of Rs. 950.59 lacs on account of external development charges as per details given below through bank draft in favour of the Chief Administrator, Haryana Urban Development Authority payable at Chandigarh/Panchkula through Director, Town & Country Planning, Haryana, Chandigarh.

a) Area under GH project	= 9.9625 acres
b) Rate of EDC	= Rs.94.94 lacs per acre
c) Amount of EDC	= Rs.945.84 lacs
d) Area under 0.5% commercial component	= 0.050 acres
e) Rate of EDC	= Rs.94.94 lacs per acre
f) Amount of EDC	= Rs.4.747 lacs
Total amount of EDC	= Rs.950.59 lacs.

The rates of external development charges are under consideration and are likely to be finalized soon. In the event of increase of rates of external development charges, you will have to deposit the enhanced rates of external development charges as and when demanded by DTCP Haryana and furnish an undertaking in this regard.

3. To execute two agreements i.e. LC-IV and Bilateral agreement on the non-judicial stamp paper of Rs.3/-. Two copies of the specimen of the said agreements are enclosed herewith for necessary action.

4. To furnish an undertaking that the portion of road which shall form part of the licenced area, will be transferred free of cost to the Government in accordance with the provisions of Section 3(3) (a) (iii) of the Haryana Development and Regulation of Urban Areas Act, 1975.

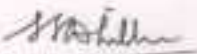
To deposit an amount of Rs. 7,09,110/- (Rs. seven lacs nine thousand one hundred ten only) on account of service charges through bank draft in favour of the Director, Town and Country Planning, Haryana payable at Chandigarh. To submit the attested copies of valid Income Tax Clearance Certificate or no demand certificate of all the applicants.

You will integrate the proposed colony with the existing licenced residential colony and furnish an affidavit in this regard.

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Chs

6. To deposit an amount of Rs. 5, 00,000/- (Rs. five lacs only) through bank draft in favour of the Director, Town and Country Planning, Haryana payable at Chandigarh on account of licence fee of 0.5% commercial component.
7. To deposit an amount of Rs. 41,93, 704/- (Rs. forty one lacs ninety three thousand seven hundred four only) through bank draft in favour of the Director, Town & Country Planning, Haryana payable at Chandigarh on account of conversion charges.
8. To deposit an amount of Rs. 97, 40,500/-(Rs. ninety seven lacs forty thousand five hundred only) through bank draft in favour of the Director, Town & Country Planning, Haryana payable at Chandigarh on account of infrastructure development charges.
9. To furnish an undertaking that you shall derive permanent access from 16'-6" revenue rasta passing through the proposed land and will widen it to 18 meters by adding 43'-4" wide strip of land and will transfer this land free of cost to Govt.


Director,
Town and Country Planning,
Haryana, Chandigarh.

STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY HARYANA
 Bay No. 55-58, Prayatan Bhawan, Sector-2, PANCHKULA,

No. SEIAA/HR/2013/

432

Dated: 12-7-13

To

M/s Stanza Developers & Infrastructure Pvt. Ltd.
 189, Tarun Enclave, Pitampura,
 New Delhi 110034.

Subject: Environmental Clearance for the construction of "Stanza Heights"
 Group Housing project at Sector-19, Panipat, Haryana.

Dear Sir,

This letter is in reference to your application no. Nil dated 15-06-2011 addressed to Director, IA (III) MOEF GOI received on 16-06-2011 and transferred to M.S. SEIAA, Haryana received on 27-06-2011 and subsequent letter dated 17-12-2012 seeking prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-I, Form-I-A & Conceptual Plan and additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) constituted by MOEF, GOI vide their Notification 23-3-2012, in its meetings held on 23-08-2012 and 29-01-2013 awarded "Gold" grading to the project.

[2] It is inter-alia, noted that the project involves the construction to construction of "Stanza Heights" Group Housing project at Sector-19, Panipat, Haryana on a plot area of 40520.57 sqmt. (10.0125 acre). The total built up area shall be 46009.978 sqmt. The Group Housing complex shall comprise 9 Residential Tower having S + maximum 10 Floors, EWS Tower G + 3, shops and community building G + 2. The maximum height of the building shall be 35.36 meter. The total water requirement shall be 354 KLD. The fresh water requirement shall be 187 KLD. The waste water generation shall be 230 KLD, which will be treated in the STP of 400 KLD capacity leading to zero exit discharge. The total power requirement shall be 3650 KVA which will be supplied by UHBVN. The Project Proponent has proposed to develop green belt on 32.36% of project area (21.80% tree plantation + 11.48% landscaping). The Project Proponent proposed to construct 10 rain water harvesting pits. The solid waste generation will be 996 kg/day. The bio-degradable waste will be converted to compost in the project area and manure produced will be used for horticulture and green belt development. The total parking spaces proposed are 444 ECS.

[3] The State Expert Appraisal Committee, Haryana after due consideration of the relevant documents submitted by the project proponent and additional clarification

furnished in response to its observations have recommended the grant of environmental clearance for the project mentioned above, subject to compliance with the stipulated conditions. Accordingly, the State Environment Impact Assessment Authority in its meeting held on 27-06-2013 decided to agree with the recommendations of SEAC to accord necessary environmental clearance for the project under Category B(a) of EIA Notification 2006 subject to the strict compliance with the specific and general conditions mentioned below:-

PART A-

SPECIFIC CONDITIONS:-

Construction Phase:-

- [1] "Consent for Establish" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana before the start of any construction work at site.
- [2] A first aid room as proposed in the project report shall be provided both during construction and operational phase of the project.
- [3] Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the labourers is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
- [4] All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.
- [5] The project proponent shall ensure that the building material required during construction phase is properly stored within the project area and disposal of construction waste should not create any adverse effect on the neighboring communities and should be disposed of after taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- [6] Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water and any hazardous waste generated during construction phase, should be disposed off as per applicable rules and norms with necessary approval of the Haryana State Pollution Control Board.
- [7] The diesel generator sets to be used during construction phase should be of ultra low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- [8] The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.

- [9] Ambient noise levels should conform to the 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 taken to reduce ambient air and noise level during construction phase, so as to conform to the stipulated residential standards.
- [10] Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and as amended on 27th August 2003.
- [11] Storm water control and its re-use as per CGWB and BIS standards for various applications should be ensured.
- [12] Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.
- [13] Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.
- [14] 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 desirable for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.
- [15] The approval of the competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of fire fighting equipments, etc. as per National Building Code including protection measures from lightening etc. If any forest land is involved in the proposed site, clearance under Forest Conservation Act shall be obtained from the competent Authority.
- [16] The Project Proponent shall construct 10 rain water harvesting pits for recharging the ground water within the project premises. Rain water harvesting pits shall be designed to make provisions for silting chamber and removal of floating matter before entering harvesting pit. Maintenance budget and persons responsible for maintenance must be provided. Care shall also be taken that contaminated water do not enter any RWH pit.
- [17] The Project Proponent shall provide minimum one hydraulic ladder of sufficient length for escape of people in case of fire.
- [18] The Project Proponent shall submit assistance from the UHBVN for supply of 3650 KVA of power supply before the start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.
- [19] Detail calculation of power load and ultimate power load of the project shall be submitted to UHBVN under intimation to SEIAA Haryana before the start of construction. Provisions shall be made for electrical infrastructure in the project area.

- [20] The Project Proponent shall obtain NOC from nearest fire station before the start of construction.
- [21] The Project Proponent shall not raise any construction in the natural land depression / Nallah/water course and shall ensure that the natural flow from the Nallah/water course is not obstructed.
- [22] The Project Proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the Project as per prescribed by-laws. Levels of the other areas in the Projects shall also be kept suitably so as to avoid flooding.
- [23] Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana.
- [24] The Project Proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only treated water should be used for construction.
- [25] The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.
- [26] The project proponent shall ensure that ECBC norms for composite climate zone are met. In particular building envelope, HVAC service, water heating, pumping, lighting and electrical infrastructure must meet ECBC norms.
- [27] The project proponent shall provide 3 meter high barricade around the project area, dust screen for every floor above the ground, proper sprinkling and covering of stored material to restrict dust and air pollution during construction.
- [28] The project proponent shall provide mobile sutabh toilets instead of soak pit during construction phase for disposal of sullage.
- [29] The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.
- [30] The project proponent shall provide proper Rasta of proper width and proper strength for each project before the start of construction.
- [31] The project proponent shall ensure that no construction activity is undertaken either on surface or below or above surface of revenue rasta passing through the project area.
- [32] The project proponent shall indicate the width and length of revenue rasta passing through the project area on sign board and shall display the same at both the ends of revenue rasta stretch, for awareness of public. Sign board shall also display the message that this is public rasta/road and any citizen can use it. There shall not be any gate with or without guards on revenue rasta.
- [33] The project proponent shall adequately control construction dusts like silica dust, non-silica dust, wood dust. Such dusts shall not spread outside project premises.

Project Proponent shall provide respiratory protective equipment to all construction workers.

- [34] The project proponent shall provide one refuse area till 24 meter as per National Building Code.
- [35] The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.
- [36] The project proponent shall submit analysis of ground water sample collected and tested by NABL/MOEF approved lab along with documentary proof, declaring that the water samples collected by them are fit for human consumption/potable failing which water shall be treated to make it fit for human consumption/potable. The analytical reports must be submitted before the start of construction.
- [37] The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.
- [38] The project proponent shall ensure that the U-value of the glass is less than 3.177 and maximum solar heat gain co-efficient is 0.25 for vertical fenestration.

Operational Phase:

- [a] "Consent to Operate" shall be obtained from Haryana State Pollution Control Board under Air and Water Act and a copy shall be submitted to the SEIAA, Haryana.
- [b] The Sewage Treatment Plant (STP) shall be installed for the treatment of the sewage to the prescribed standards including odour and treated effluent shall be recycled. The installation of STP should be certified by an independent expert and a report in this regard should be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. Discharge of treated sewage shall conform to the norms and standards of HSPCB, Panchkula. Project Proponent shall implement such STP technology which does not require filter backwash.
- [c] Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 10 mg/litre and the recycled water will be used for flushing, gardening and DG set cooling etc. to achieve zero exit discharge.
- [d] For disinfection of the treated wastewater ultra-violet radiation or ozonization process should be used.
- [e] The solid waste generated should be properly collected and segregated. Bio-degradable waste shall be decomposed at site and dry/ inert solid waste should be disposed off to approved sites for land filling after recovering recyclable material.

- [f] Diesel power generating sets proposed as source of back-up power for lifts, common area illumination and for domestic use should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The location of the DG sets should be in the basement as promised by the project proponent with appropriate stack height i.e. above the roof level as per the CPCB norms. The diesel used for DG sets should be ultra low sulphur diesel (0.05% sulphur), instead of low sulphur diesel.
- [g] Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the Proposed Residential Complex.
- [h] The project proponent should maintain at least 32.36% as green cover area for tree plantation especially all around the periphery of the project and on the road sides preferably with local species which can provide protection against noise and suspended particulates matter. The open spaces inside the project should be preferably landscaped and covered with vegetation/grass, herbs & shrubs. Only locally available plant species shall be used.
- [i] The project proponent shall strive to minimize water in irrigation of landscape by minimizing grass area, using native variety, xeriscaping and mulching, utilizing efficient irrigation system, scheduling irrigation only after checking evapo-transpiration data.
- [j] Rain water harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre-treatment through sedimentation tanks must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging shall be kept at least 5 mts. above the highest ground water table. Care shall be taken that contaminated water do not enter any RWH pit. The project proponent shall avoid Rain Water Harvesting of first 10 minutes of rain fall. Roof top of the building shall be without any toxic material or paint which can contaminate rain water. Wire mesh and filters should be used wherever required.
- [k] The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- [l] There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be utilized.
- [m] A report on the energy conservation measures conforming to energy conservation norms finalized by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology, R & U Factors etc and submitted to the SELAA, Haryana in three months time.

- [n] Energy conservation measures like installation of LED for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Use of solar panels must be adapted to the maximum energy conservation.
- [o] The Project Proponent shall use zero ozone depleting potential material in insulation, refrigeration, air-conditioning and adhesive. Project Proponent shall also provide halon free fire suppression system.
- [p] The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2000 and as amended from time to time. The bio-degradable waste should be composted by vermi-composting at the site ear-marked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- [q] The provision of the solar water heating system shall be as per norms specified by HAREDA and shall be made operational in each building block.
- [r] The traffic plan and the parking plan proposed by the PP should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be used.
- [s] The Project shall be operationalized only when HUDA/public authority will provide domestic water supply system in the area.
- [t] Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of sale.
- [u] Different type of wastes should be disposed off as per provisions of municipal solid waste, biomedical waste, hazardous waste, e-waste, batteries & plastic rules made under Environment Protection Act, 1986. Particularly E-waste and Battery waste shall be disposed of as per existing E-waste Management Rules 2011 and Batteries Management Rules 2001. The project proponent should maintain a collection center for E-waste and it should be disposed of to only registered and authorized dismantler/recycler.
- [v] Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rule 1986 shall be strictly complied with.
- [w] Water supply shall be metered among different residential units and among different utilities.
- [x] The project proponent shall ensure that the stack height of DG sets is as per the CPCB guide lines and also ensure that the emission standards of noise and air are

within the CPCB prescribed limits. Noise and Emission level of DG sets greater than 800 KVA shall be as per CPCB latest standards for high capacity DG sets.

- [y] All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of connection.
- [z] The project proponent shall use only treated water instead of fresh water for DG cooling. The Project Proponent shall also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during summer and winter seasons should be kept at optimal level. Variable speed drive, best Co-efficient of Performance, as well as optimal integrated point load value and minimum outside fresh air supply may be resorted for conservation of power and water. Coil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.
- [aa] The project proponent shall ensure that the transformer is constructed with high quality grain oriented, low loss silicon steel and virgin electrolyte grade copper. The project proponent shall obtain manufacturer's certificate also for that.
- [ab] The project proponent shall use U value for composite zone and not for warm and humid climate zone.
- [ac] The project proponent shall utilize/sell 51.44 KLD of waste water for construction purposes after tertiary treatment.
- [ad] the project proponent shall ensure that exit velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-water under any meteorological conditions.

PART-B. GENERAL CONDITIONS:

- [i] The Project Proponent shall ensure the commitments made in Form-I, Form-1A, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards are complied with in letter and spirit. In case of contradiction between two or more documents on any point, the most environmentally friendly commitment on the point shall be taken as commitment by project proponent.
- [ii] Six monthly compliance reports should be submitted to the HSPCB and Regional Office, MOEF, GOI, Northern Region, Chandigarh and a copy to the SEIAA, Haryana.
- [iii] Noise, STP outlet and stack emission shall be monitored daily. Other environmental parameters shall be monitored on monthly basis. After every 3 months the project proponent shall conduct environmental audit and shall take corrective measure, if required, without delay.
- [iv] The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be

revoked if it is found that false information has been given for getting approval of this project. SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of SEIAA/MoEF.

- [v] The Project proponent shall not violate any judicial orders/pronouncements issued by any Court/Tribunal.
- [vi] All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972, Forest Act, 1927, PLPA 1900, etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.
- [vii] The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.
- [viii] 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 before obtaining prior Environmental Clearance.
- [ix] Any appeal against the this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- [x] The project proponent shall put in place Corporate Environment Policy as mentioned in MoEF, GoI OM No. J-11013/41/2006-1A II (I) dated 26.4.2012 within 3 months period. Latest Corporate Environment Policy should be submitted to SEIAA within 3 months of issuance of this letter.
- [xi] The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure shall be reported to the SEIAA/RO MoEFGoI under rules prescribed for Environment Audit.
- [xii] The Project Proponent shall obtain NOC under Aravalli Notification from CEC of Hon'ble Supreme court regarding coverage under Aravalli Notification before start of construction.
- [xiii] The Project Proponent shall ensure that no vehicle during construction/operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.

- [xiv] The project proponent is responsible for compliance of all conditions in Environmental Clearance letter and project proponent can not absolve himself /herself of the responsibility by shifting it to any contractor engaged by project proponent.
- [xv] The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.


 Member Secretary,
 State Level Environment Impact
 Assessment Authority, Haryana, Panchkula.




Endst. No. SELAA/HR/2013

Dated:.....

A copy of the above is forwarded to the following:

1. The Additional Director (IA Division), MOEF, GOI, CGO Complex, Lodhi Road, New Delhi.
2. The Regional office, Ministry of Environment & Forests, Govt. of India, Sector 31, Chandigarh.
3. The Chairman, Haryana State Pollution Control Board, Pk1.


 Member Secretary,
 State Level Environment Impact
 Assessment Authority, Haryana, Panchkula



भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

No. AAI/RHQ/NR/ATM/NOC/2015/250/3254-59		Date: 21/8/2015
Ms STANZA DEVELOPER AND INFRASTRUCTURE Pvt LTD		
189, Taron Enclave, Pitam Pura, New Delhi 110034		
NO Objection Certificate for Height Clearance		
This NOC is issued by Airports Authority of India (AAI) in pursuance of responsibility conferred by and as per the provisions of Govt. of India (Ministry of Civil Aviation) order SO84 (E) dated 14th Jan. 2010 for Safe and Regular Aircraft Operations.		
1. References.		
NOCID	SAFD/NORTH/B/070615/143455	
Applicant Letter	Dated: 16.07.2015	
AAI Reference		
2. NOC Details for Height Clearance:		
Applicant Name	Ms STANZA DEVELOPER AND INFRASTRUCTURE Pvt LTD	
Type of Structure	Building	
Site Address	plot at village Ajijalapur, khasra no 36,36.43, Panipat, Haryana	
Site Coordinates	29 25 48N -76 59 20E 29 25 54N -76 59 20E 29 25 55N -76 59 30E 29 25 48N -76 59 29E	
Site Elevation AMSL in Mtrs	230.0 Mtrs Two Hundred Thirty only.	
Permissible height above Ground Level in Mtrs	52.245 Mtrs Fifty Two Decimal Two Four Five only	
Permissible Top Elevation AMSL in Mtrs	282.245Mtrs Two Hundred Eighty Two Decimal Two Four Five	
3. This NOC is subject to the terms and conditions as given below.		
<p>a. The site-elevation and site coordinates provided by the applicant are taken for calculation of the permissible top elevation for the proposed structure. If however, at any stage it is established that the actual data is different from the one, provided by the applicant, this NOC will be invalid.</p> <p>b. The issue of the 'NOC' is further subject to the provisions of Section 9-A of the Indian Aircraft Act, 1934 and those of any notifications issued there under from time to time including the Aircraft (Demolition of Obstruction caused by buildings and trees etc.) Rules, 1994.</p> <p>c. No radio/TV Antenna, lighting arresters, staircase, Munties, Overhead water tank and attachments of fixtures of any kind shall project above the Permissible Top Elevation 282.245 Mtrs, indicated in para 2.</p> <p>d. The use of oil-fired or electric fired furnace is mandatory, within 5 KM of the Aerodrome Reference Point.</p> <p>e. The certificate is valid for a period of 5 years from the date of its issue, if the</p>		

building/structure/Chimney is not constructed & completed within the period, the applicant will be required to obtain a fresh 'NOC' from the Designated Officer of Airports Authority of India. The date of completion of Building/Structure/Chimney should be intimated to this office of AAI. Request for revalidation of NOC will not be entertained after the expiry of its validity period.

f. No light or a combination of lights which by reason of its intensity, configuration or colour may cause confusion with the aeronautical ground lights of the Airport shall be installed at the site at any time, during or after the construction of the building.

g. The applicant will not complain/claim compensation against aircraft noise, vibrations, damages etc caused by aircraft operations at or in the vicinity of the airport.

h. Day markings & night lighting with secondary power supply shall be provided as per the guidelines specified in chapter 6 and appendix 6 of Civil Aviation Requirement Series 'B' Part I Section 4, available on DGCA India website: www.dgca.nic.in

i. The applicant is responsible to obtain all other statutory clearances from the concerned authorities including the approval of building plans as this NOC for height is for the purpose of 'to ensure the safe and regular aircraft operations' and shall not be used as document for any other purpose/claim whatsoever, including ownership of land etc.

j. This NOC has been issued w.r.t. the Civil Airports as notified in SO 84(E). Applicant needs to seek separate NOC from Defence, if the site lies within jurisdiction of Defence Airport.

This certificate is issued for "HEIGHT CLEARANCE ONLY" with the approval of Competent Authority for Permissible Top Elevation 282.245 Mtrs.

G.P. Singh
21-08-2015

(G.P. SINGH)
Asstt. General Manager(ATM-NOC)
For General Manager(ATM), NR
Airports Authority Of India

Copy to:

1. The Executive Director(ATM), AAI, Rajiv Gandhi Bhavan, Safdarjung Airport, New Delhi-110003.

2. GM(NOC)/Airport Director(Bundle).

3. Guard File

4. The Chief Executive Officer, DIAL, New Uddan Bhawan, International Terminal-3, IGI Airport, New Delhi-110037

Generate Letter Issue Print

DIRECTORATE OF TOWN & COUNTRY PLANNING, HARYANA

SCO 71-75, Sector 17C, Chandigarh

Phone:0172-2549349; e-mail:tcphry@gmail.com

http://tcpharyana.gov.in

To

Stanza Developers & Infrastructure Pvt. Ltd.
189, Tarun Enclave, Pitampura,
New Delhi-34.

Memo No. LC-826-PA(B)/2015/

4998

Dated:

27/3/15.

Subject:

Approval of service plan/estimates for Internal Development Works in respect of group housing colony over an area measuring 10.0125 acres (license No. 997 of 2006 dated 16.06.2006) in sector 19, Panipat.

Kindly refer your application on the subject cited above.

The service plan/estimates of residential group housing colony being developed over an area measuring 10.0125 acres in sector 19, Panipat have been checked and corrected wherever necessary by the Chief Administrator, HUDA & are hereby approved subject to the following terms and conditions:-

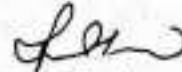
1. That you will have to pay External Development Charges as a full and no deduction on account of any services proposed from other Department/from own sources by the colonizer for the time being, as EDC works for a town as a whole will have to be got executed in view of overall planning, proposed area also covered/to be covered in EDC, Panipat Town, which is under finalization.
2. The category wise area shown on the plans and proposed density of population thereof has been treated to be correct for the purpose of services only.
3. That you are liable to maintain the licensed area for ten years or as per HUDA norms till such time, the colony is taken over by the local authority/State Govt.
4. The wiring system of street lighting will be under ground and the specifications of the street lighting fixture etc. will be as per relevant standard of HVPNL. CFL lamps shall be provided to meet the requirement of HVPNL and as well environment.
5. It is made clear that appropriate provision for fire-fighting arrangement as required in the NBC/ISI should also be provided by you and fire safety certificate should also be obtained from the competent authority before undertaking any construction. You shall be sole responsible for fire safety arrangement.
6. All technical notes and comments incorporated in the estimates in two sheets will also apply. A copy of these is also appended as Annexure-A.
7. The correctness of the levels of the colony will be sole responsibility of the owner for integrating the internal sewer/ storm water drainage of the colony by gravity with the master services.
8. That level/extent of external services to be provided by HUDA will be in accordance with EDC deposited. The colonizer will be fully responsible to meet the demand, to dispose of effluent and rain water till these services are provided by HUDA.
9. You shall be sole responsible for disposal of sewage of your colony as per requirement of HSPCB/Environment Deptt. till such time the external services are made available as per the proposal of the town. All the link connections with the external services shall be made by you at your own cost after seeking approval from competent authority. There should be no pollution due to disposal of sewerage of the colony. The disposal of the effluent should be accordance to the standard norms fixed by Haryana State Pollution Board/Environment Department.
10. The estimate does not include the provision of electrification of the colony. However, it is clear that the supervision charges and O&M charges shall be paid by you directly to the HVPNL.
11. It is clarified that HUDA can make available the water only after HUDA sector in which licensed area falls is developed. It is also subject to:-
 - (i) Availability of litigation and encroachment free land.

- (ii) Permission within reasonable period from Forest & Environment Department, wherever required.
 - (iii) Till the water supply and other services made available by HUDA, the licensee will have to make their own arrangements. Tube well bored with permission from Central Ground Water Board and other concerned authority for the purposes.
 - (iv) HUDA shall supply the drinking water only to the license granted in the master plan area.
 - (v) Sufficient funds are made available for carrying out the External Development Works.
12. You have proposed to utilize recycled water for flushing purposes and provision of separate flushing line, storage tank, metering system, pumping system and plumbing has been made. Therefore, it is clarified that no tap or outlet of any kind will be provided from the flushing lines/plumbing lines for recycled water except for connection to the cistern of flushing tanks and any scouring arrangement. Even ablution taps should be avoided.
- (i) Two separate distribution systems, independent to each other, will be adopted, one for potable water supply and second for recycled water. Every Home/Office/business establishment will have access to two water pipe lines.
 - (ii) Potable water and recycled water supply lines will be laid on opposite berms of road. Recycled water lines will be above sewer lines. Wherever unavoidable and if all pipes are required to be laid on same side of road, these will be located from the ground surface in order of descending quality. Potable water shall be above recycled water which should be above sewer. Minimum clear vertical separation between a potable water line and a recycled water line shall be one ft, if it not possible then readily identifiable sleeve should be used.
- To avoid any accidental use of recycled water for potable purposes all:-**
- (a) Recycle water pipes, fitting, appurtenances, valves, taps, meters, hydrants will be of Red Colour or painted red.
 - (b) Sign and symbols signifying and clearly indicating "Recycle Water" "Not fit for Drinking" must invariably be stamped/fixed on outlets, Hydrants Valves both surface and subsurface, Covers and at all conspicuous places of recycle distribution system.
 - (c) Detectable marker tapes of red colour bearing words "Recycle Water" should be fixed at suitable interval on pipes.
 - (d) Octagonal covers, red in colour or painted red and words "Recycle Water-Not fit for Drinking" embossed on them should be used for recycled water.
13. That it shall be mandatory to provide dual/two button or lever flushing system in toilets.
 14. You shall be sole responsible for the construction of various structures such as RCC underground tank etc. according to the standard specification good quality and its workmanship. The structural stability responsibility will entirely rest upon you.
 15. In case some additional structures are required to be constructed and decided by HUDA/development agency at a later stage, the same will be binding upon you. Flow of control valves will be installed preferably of automatic type on water supply connection with main water supply line, laid by developing agency or HUDA.
 16. The formation level of internal road should match with sector roads. Similar other services like water supply, sewerage and SWD level etc. should be fixed in integration of levels of EDC services of water supply, sewerage and SWD etc, which shall be ensured by you.
 17. In case it is decided by Govt. that HUDA/Govt. will construct 24 m wide road and will extend master services on 24 m wide internal circulation road, then additional amounts at rates as decided by the authority/Govt. will be recoverable over and above EDC.
 18. Since, the construction of master plan is yet to take place, you will get the road level/formation level of your service fixed from the concerned Superintending Engineer, before execution.
 19. This estimate does not include the common services like water supply, storage tank on the top of the building block, the plumbing works etc. will part of the building works.
 20. You will have to ensure that the sewer/storm water drainage to be laid by you will be connected with the proposed existing master services by gravity. If it is not possible to connect the services by gravity, it will be your sole responsibility to make the pumping arrangement and maintenance thereof for all the time to come.
 21. That you shall not make any connection with the master services i.e. water supply, sewerage, storm water drainage, without prior approval of the competent authority in writing.
 22. That the detailed technical proposal/scheme shall be got approved from this office before execution of work at site.
 23. The firm will provide solar water heating system as per the guidelines issued by Haryana Govt./Ministry of Environment/Govt. of India.
 24. It is made clear that roof top rain harvesting system shall be provided by you as per Central Ground Water Authority norms/Haryana Govt. Notification and the same shall be kept

operational/maintained all the time. The arrangement for segregation of first rain water not to be entered into the system shall also be made by you.

25. That you shall transfer the land under master plan road as well as service road to Govt./HUDA for construction of road/service road free of cost and proportionate cost for construction of service road shall also be paid by you.
26. That you shall be solely responsible to lay the services upto the external services laid/to be laid by HUDA or any developing agency on Sector dividing road at respective locations/points.
27. That you shall get the electrical service plan estimates approved from the agency responsible for installation of external electricity service as per condition of agreement executed on prescribed proforma LC-IV with the Director.

A copy of the approved service plan/estimates is enclosed herewith. You are requested to supply three additional copies of the approved service plan/estimates to the Chief Administrator, HUDA, Panchkula under intimation to this office.



(Ravi Sihag)


District Town Planner (HQ)

For Director General, Town & Country Planning
Haryana, Chandigarh

Endst. No. LC-826-PA(B)-2015/

Dated :

A copy is forwarded to the Chief Administrator, HUDA, Panchkula with reference to his office Memo No. 532 dated 15.01.2015 for information and necessary action.



(Ravi Sihag)

District Town Planner (HQ)

For Director General, Town & Country Planning
Haryana, Chandigarh

SERVICE ESTIMATE, DESIGN REPORT AND CALCULATIONS OF
INTERNAL DEVELOPMENT WORKS

FOR

PROPOSED GROUP HOUSING COLONY PLANS OF THE LAND
MEASURING 10.0125 ACRES FALLING
IN SECTOR-19, PANIPAT (HR.)

OWNER

M/S STANZA DEVELOPERS & INFRASTRUCTURE PVT. LTD.

M/S STANZA DEVELOPERS & INFRASTRUCTURE PVT. LTD.
SERVICE ESTIMATE, DESIGN REPORT AND CALCULATIONS OF
INTERNAL DEVELOPMENT WORKS FOR PROPOSED GROUP HOUSING COLONY ON THE
LAND MEASURING 10.0125 ACRES
IN SECTOR-19, PANIPAT (HR.)

REPORT

Panipat is located at 29.39°N 76.9°E It has an average elevation of 219 metres (718 ft.) Panipat is situated on Sher shah Suri marg (now known as G.T road or N.H1), 90 KM north of DELHI .On the three sides, Panipat district boundaries touch other district of Haryana – Karnal in the north , Jind in the west and Sonapat in the south. Panipat district borders the state of Uttar Pradesh across the Yamuna river in the east. The total area of the site is 10.0125 acre.

WATER SUPPLY

The source of water supply shall be Ground water; It has been proposed to construct centralized 2 Nos. underground tanks of capacity as per attached details for domestic and other purpose. The underground tank will be filled from the 2 Nos of Tube-well riser and then pumped to the overhead water tanks of each tower.

DESIGN

The scheme has been designed for the population as given in attached sheets.

PUMPING EQUIPMENTS

It has been proposed to install pumping set as described with standby of equal capacity. The provision for standby generating set has been provided in case of any electricity failure. Generator will be provided separately or added to the capacity of main generator.

SEWERAGE SCHEME

This scheme is designed for sewer connecting the centralized sewage treatment plant to treat the sewage and to use such treated water for horticulture and flushing purpose and excess treated water overflow will be connected to the proposed HUDA sewer, passing along the sector road. The sewerage system has been marked on the respective plans.

The sewer lines have been designed for three times average D.W.F. in relation to water supply demand. It has been assumed that about 80% of the domestic water supply shall find its way into the proposed sewer. Sewer lines shall be laid to a gradient maintaining minimum 2.46 ft/sec self cleaning velocity. Necessary provision for laying S.WIRCC pipe sewer line, construction of required number of manholes etc., have been made in the estimate.

Necessary design statement for entire sewerage system has been prepared and attached with estimate.

STORM WATER DRAINAGE

We propose to construct underground pipe drain, which will be connecting rain water harvesting system for recharge the aquifer and surplus storm water will be allowed to flow to the HUDA drain along the sector road.

SPECIFICATIONS

The work will be carried out in accordance with the standard specifications of P.E as laid down by the Haryana Govt. / HUDA.

ROADS

Cost of road has been taken in the estimate.

STREET LIGHTING

Provision for lighting on surrounding area has been made.

HORTICULTURE

Estimates and details of plantation, landscaping, signage, etc., has been included.

RATES

The estimate has been based on the present market rates.

COST

The total cost of the scheme, including cost of all services works out to be **Rs. 568 Lacs (Rupees Five Crore Sixty Eight Lakhs only)**. Including 3% contingencies & 49% departmental charges. Price escalation, unforeseen Admin charts.

DETAILS FOR DAILY WATER CONSUMPTION					
1	Total Water Demand				
SNo.	TYPE OF FLATS	TOTAL UNIT	PERSON/UNIT	POPULATION	Water Requirement @172.5LPCD
a	3 BHK Type - A, B	72	5	360	62100
b	2 BHK Type - C1, C2	72	5	360	62100
c	3 BHK Type- D1,D1 & E	108	5	540	93150
d	3 BHK + Servant Type- A1	36	5	180	31050
e	4 BHK + Servant Type - F1	36	5	180	31050
f	EWS	58	2	116	20010
g	Community Building	1			10000
h	Shopping Center	1			5000
	Grand Total				376560
	Total Domestic & Flushing Water per day demand				376.56
	Say				315 KL
	Domestic Consumption @ (70% of residential & 30% of other amenity)				214122
	Flushing consumption @ (30% of the residential & 70% of the other amenity)				100338
	STP CAPACITY @ (80% of total water demand)				251.6
	SAY				252 KL
II	Horticultural water requirement (Organized green)				
	25 KL/acre /per Day (For 1.7 Acre Green)				42.5
III	Fire Demand				285
	Total water Demand (Except Fire) KLD				214.12
	SAY				215 KL
2	Type of water & Type of Source				
I	Domestic water demand/ Day (From Bore well/HUDA)				215KLD
II	Flushing water demand/day (From STP)				100.338
III	Horticulture (from STP)				42.5

3	NO. OF BORE WELL/ HUDA Main Water Supply Calculation		
a	Actual discharge of pump	500	Lt./Min
b	Size of Bore well	350 x 300	MM
c	Size of Tube well Casing pipe	200	MM
d	Size of Tube well Slotted pipe	200	MM
e	Depth of Tube well	As per water strata	(About 100 To 120 meter)
f	Total running of Tube well	4	HR/DAY
II	NO. OF TUBE WELLS		
a	Total Net daily water requirement	215	KL
	By assuming discharge of each Tube well @ 500		
	By taking 6 hrs running of each Tube well		
b	No. of Tube wells required $215000/(500 \times 60) \times 4$	1.79	-
		1.79	NOS
III	No. of Tube wells required	2	NOS.
	It is suggested to provide 2 nos. Tube well.		

4	TOTAL U.G. TANK		
i	TOTAL U.G. STORAGE DOMESTIC & RAW TANK	400	KL
ii	FIRE WATER TANK	200	KL
iii	TOTAL U.G. STORAGE FLUSHING (Flushing & horticulture) (IN STP)	105	KL
Therefore it is proposed to construct underground tank			
FIRE TANK U.G- 200KL			
RAW WATER TANK- 200 KL = 125 KL X 1 nos , 75 KL X 1 nos			
DOMESTIC WATER TANK-200 KL = 125 KL X 1 nos , 75 KL X 1 nos			
FLUSHING WATER TANK- 105 KL = 105 KL X 1 Nos. in STP			

5	PUMPS FOR DOMESTIC WATER SUPPLY TYPE 2,3,4 BHK SERVANT) = (75 KL +130.5 KL) = 205.5 KL			
		Tank -1	Tank -2	Unit
i	Potable Water Requirement Per Day for (TYPE- A,B,C1,C2,A1,D1,D2,E &F1)	75	130.5	KL
ii	Pumping duration per day	3	4	Hrs
iii	Suction lift	0	0	Mtr
iv	Clear Head Required	40	40	Mtr
v	Residual Head	5	5	Mtr
VI	Friction Head Loss	10	10	Mtr
vii	Total head required	55	55	Mtr
VIII	Discharge of Pump in LPM	416.67	543.75	LPM
IX	Power Required (Lpm*head (m)/4500* .65{effi)	7.83	10.22	HP
	say	8	10.5	HP

6	PUMPS FOR DOMESTIC WATER SUPPLY FOR ALL OTHER BLOCK = 4.5 KL)		
i	Potable Water Requirement Per Day	4.5	KL
ii	Pumping duration per day	1	Hrs
III	Suction lift	0	Mtr
iv	Clear Head Required	30	Mtr
v	Residual Head	5	Mtr
vi	Friction Head Loss	10	Mtr
vii	Total head required	45	Mtr
viii	Discharge of Pump = 4.5/1 = 4.5 cu.m lhr= 75 lpm		
	Say	75	LPM
IX	Power Required (Lpm*head (m)/4500* .65{effi)	1.15	HP
	Say	1.3	HP

7	PUMPS FOR FLUSHING WATER SUPPLY FOR (TYPE- A,B,C1,C2,A1,D1,D2,E &F1)= 90.3 KL		
i	Flushing Water Requirement Per Day	90.3	KL
ii	Pumping duration per day	4	Hrs
iii	Suction lift	0	Mtr
iv	Clear Head Required	40	Mtr
v	Residual Head	5	Mtr
vi	Friction Head Loss	10	Mtr
vii	Total head required	55	Mtr
viii	Discharge of Pump= 100.4/4 = 25.1 cu.m lhr = 418.33 lpm		
	Say	376.25	lpm
ix	Power Required (Lpm*head (m)/4500* .65{effi)	7.07	HP
	say	7.5	HP

8	PUMPS FOR FLUSHING WATER SUPPLY FOR ALL OTHER BLOCK = 10.5 KL		
i	Flushing Water Requirement Per Day	10.5	KL
ii	Pumping duration per day	1	Hrs
iii	Suction lift	0	Mtr
iv	Clear Head Required	12	Mtr
v	Residual Head	5	Mtr
vi	Friction Head Loss	10	Mtr
vii	Total head required	27	Mtr
viii	Discharge of Pump = $4.5/1 = 4.5 \text{ cu.m/hr} = 75 \text{ lpm}$		
	Say	175	lpm
ix	Power Required (Lpm*head (m)/4500* .65{effi)	1.6	HP
	say	1.8	HP

9	Irrigation pump 42.5 KL Per Day		
i	Proposed Pump discharges		
ii	Proposed pumping for irrigation	42.5	lpm
iii	(1 working+ 1 stand)		
iv	Max Clear Head required	20	
v	Residual Head	5	Mtr
vi	Friction Head Loss	10	Mtr
vii	Total head required	35	Mtr
viii	Discharge of Pump = $42.5/4 = 10.6 \text{ cu.m/hr} = 177.08 \text{ lpm}$	177.08	
	Say	177.08	lpm
ix	Power Required (Lpm*head (m)/4500* .65{effi)	2.12	HP
	Say	3	HP

10	PUMPS FOR FIRE PROTECTION					
i	PUMPS DESCRIPTION	LOCATION	NOS	DISCHARGE (LPM)	HEAD IN MTR	HP
ii	DIESEL PUMP	PUMP ROOM	1	2280	70	55
iii	FIRE PUMP	PUMP ROOM	1	2280	70	55
iv	JOCKY .PUMP	PUMP ROOM	1	180	70	4

11	Tube well Total Domestic Demand = 210KLD.			
		Tubewell-1	Tubewell-2	Unit
i	Approx. discharge of tube well	100	110	KL
ii	working for 4 hours /day	4	4	Hrs
iii	Residual Head	55	55	Mtr
iv	Friction Head Loss	5	5	Mtr
v	Total head required	10	10	Mtr
vi	Discharge of Pump = $42.5/4 = 10.6$ cu.m /hr = 177.08 lpm	70	70	Mtr
	Say	417	458	LPM
vii	Power Required (Lpm*head (m)/4500*.65{effi)	10	11	HP
	Say	10	11	HP

12	Equipment Description	No's	Power Req.	Total Power	
			(HP)	(HP)	
i.)	DOMESTIC WATER SUPPLY FOR TANK-2 (TYPE - A,B,C1& C2)	1 Set (IW+1S)	8	8	
ii.)	DOMESTIC WATER SUPPLY FOR TANK-2 (TYPE - A1,D1,D2,E &F1)	1 Set (IW+1S)	10.5	10.5	
iii.)	DOMESTIC WATER SUPPLY FOR ALL OTHER BLOCK	1 Set (1W+1S)	1.3	1.3	
iv.)	FLUSHING Water SUPPLY FOR (TYPE- A,B,C1,C2,A1,D1,D2,E &F1)	1 Set (IW+1S)	7.5	7.5	
v.)	FLUSHING Water SUPPLY FOR ALL OTHER BLOCK	1 Set (1W+1S)	1.5	1.5	
vi.)	IRRIGATION PUMP	1 Set (1W+1S)	3	3	
vii.)	JOCKYPUMP	1 Set	4	4.3	
viii.)	TUBEWELL -1	1 Set	10	10	
ix.)	TUBEWELL -2	1 Set	11	11	
			SAY	57.11	HP
				42.60	KW
				50.12	KVA
	Total DG Power Requirment For Services		SAY	51	KVA

Entire water to the proposed development is to be supplied by ground water source and therefore it is proposed to install two tube wells.

Requirement of 51 KVA capacities will be added in to the main D.G. set to provide stand by supply.



भारत सरकार
केन्द्रीय भूमि जल प्राधिकरण
जल संसाधन मंत्रालय

Regional Director

Government of India
Central Ground Water Authority
Ministry of Water Resources

CGWA/IND/Proj/2011-1163

No 21-4(473)/NWR/CGWA/2011-2073

Dated : 01 FEB 2012

To

M/s Stanza Developers & Infrastructure Pvt. Ltd.
139 Farun Enclave, Pitampura
New Delhi-110034

Sub:- NOC for ground water withdrawal by M/s Stanza Developers & Infrastructure Pvt. Ltd., in respect of the proposed "Stanza Heights" Group Housing Project at village Azizulapur, Sector 19, Panipat, Tehsil Panipat, District Panipat, Haryana - reg.

Sir

Kindly refer to your letter dated 12.07.2011 on the above cited subject. Based on recommendations of Regional Director, Central Ground Water Board, North Western Region, Chandigarh vide their office letter no. 4(172)/A-HR/Stanza NWR/S&I/2011 - 2173 dated 3.10.11 and further deliberations on the subject, the NOC of Central Ground Water Authority is hereby accorded to M/s Stanza Developers & Infrastructure Pvt. Ltd., in respect of the proposed "Stanza Heights" Group Housing Project at village Azizulapur, Sector 19, Panipat, Tehsil Panipat, District Panipat, Haryana. The NOC is, however subject to the following conditions:-

1. The firm may abstract 388 m³/day (not exceeding 1,41,620 m³/year) of ground water, through proposed two (2) tube wells only. No additional ground water abstraction structures to be constructed for this purpose without prior approval of the CGWA.
2. All wells to be fitted with water meter by the firm at its own cost and monitoring of ground water abstraction to be undertaken accordingly on regular basis, at least once in a month. The ground water quality to be monitored twice in a year during pre monsoon and post monsoon periods.
3. M/s Stanza Developers & Infrastructure Pvt. Ltd., shall, in consultation with the Regional Director, Central Ground Water Board, North Western Region, Chandigarh implement ground water recharge

West Block - 2, Wing - 3, Sector - 1, R.K. Puram, New Delhi - 110066

Tel : 011-26175362, 26175373, 26175379 • Fax : 011-26175369

Website : www.cgwb.gov.in, www.mowr.gov.in

सब सुरक्षित जल - सुरक्षित भविष्य

CONSERVE WATER - SAVE LIFE

measures at least to the tune of 2.43.089 m³/year as proposed, for augmenting the ground water resources of the area

4. The photographs of the recharge structures after completion of the same are to be furnished immediately to the Regional Director, Central Ground Water Board, North Western Region, Chandigarh for verification and under intimation to this office.

5. The firm at its own cost shall install piezometers at suitable locations and execute ground water regime monitoring programme in and around the project area on regular basis in consultation with the Central Ground Water Board, North Western Region, Chandigarh.


6. The ground water monitoring data in respect of S. No. 2 & 5 to be submitted to Central Ground Water Board, North Western Region, Chandigarh on regular basis at least once in a year.

7. The firm shall ensure proper recycling and reuse of waste water after adequate treatment.

8. Action taken report in respect of S. No. 1 to 7 may be submitted to CGWA within one year period.

9. The permission is liable to be cancelled in case of non-compliance of any of the conditions as mentioned in S. No. 1 to 8.

Yours faithfully


Regional Director

Copy for information to:

1. The Director (IA), Ministry of Environment and Forests, IA Division, Parvati Nagar Bhawan, CGO Complex, Lodhi Road, New Delhi 110003.
2. The Secretary, State Environment Impact Assessment Authority Bays 5B-5B, Sector 2, Panchkula, Haryana
3. The Regional Director, Central Ground Water Board, North Western Region, Chandigarh. This has reference to your letter no. 4/172/A-HRU dated 26/08/2011 dated 3.10.11

Chandigarh

Regional Director

From:

Commissioner,
Municipal Corporation, Panipat.

To,

Manager,
Stanza Developers & Infrastructure Pvt. Ltd.,
189, Tarun Enclave, Pitampura,
New Delhi - 110034


Memo No.: 134/L.S.O

Dated: 8-5-12

Sub. :- Approval of Fire Fighting Scheme from Fire Safety point of view of Group Housing Project Sector-19, Panipat.

On the subject cited above.

The case for the approval for the Fire Fighting Scheme has been examined by Fire Station Officer, Panipat. The Fire Fighting Scheme has been found as per the National Building code of India Part-IV 1983 revised 2008. So that the building plan is approved from fire safety point of view. As soon as the installation of fire fighting arrangement are completed, the same may be got inspected / tested and clearance should be obtained from this department.


8-5-12-
Fire Station Officer,
For Commissioner Municipal Corporation,
Panipat.

वन विभाग हरियाणा सरकार
कार्यालय:- वन मण्डल अधिकारी, (क्षेत्रीय वन मण्डल) पानीपत।
वन परिसर असन्ध रोड़, पानीपत, दूरभाष/ फैक्स न0:- 0180-2650331

क्रमांक:- 336

दिनांक:- 16/6/11

सेवा में:-
Director,
Stanza Developers & Infrastructure Pvt. Ltd.
189, Tarun Enclave, Pitampura, New Delhi-110034

विषय:- NOC for "Stanza Height" Group Housing Project at Sector-19 Near Village
Azijulapur, Panipat.
सन्दर्भ:- आपका पत्र क्रमांक शून्य दिनांक 10.05.2011

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जैसा आपने सन्दर्भकृत पत्र द्वारा चाहा है आपको सूचित किया जाता है कि वन राजिक अधिकारी पानीपत ने इस कार्यालय को सूचित किया है कि सेक्टर-19 में जिस स्थान पर "Stanza Height" Group Housing Project बनाया जाना है यह Project Ansal द्वारा अधिग्रहित भूमि में ही है। इस प्रोजैक्ट में कोई भी वन भूमि तथा कोई पेड़ प्रभावित नहीं होता है। इस प्रकार वन राजिक अधिकारी पानीपत से प्राप्त रिपोर्ट अनुसार प्रस्तावित केस में वन विभाग द्वारा कोई कार्यवाही देय नहीं बनती क्योंकि प्रस्तावित साईट पर वन विभाग की कोई सुरक्षित वन भूमि प्रभावित नहीं होती है। यह आपको सूचनार्थ प्रेषित है।

पृ0 क्रमांक:-

वन मण्डल अधिकारी,
पानीपत।

दिनांक:-

एक प्रति वन राजिक अधिकारी पानीपत को उनके पत्र क्रमांक 108 दिनांक 06.06.2011 के सन्दर्भ में सूचनार्थ प्रेषित है।


वन मण्डल अधिकारी,
पानीपत।