

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

No. SEIAA/HR/2013/1571

Dated: 24-12-2013

To

M/S Unitech Limited,
 Regd Office: 6, Community Centre, Saket,
 New Delhi- 110017

Subject: Environmental Clearance for proposed Unitech Rewari Township project at Sector-15, Village Rampura Distt Rewari, Haryana.

Dear Sir,

This letter is in reference to your application no. Nil dated 11-07-2011 addressed to Director, IA (III) MOEF GOI received on 13-07-2011 and transferred to M.S. SEIAA, Haryana on 18-05-2012 and subsequent letters dated 30-07-2012 and 26-10-2012 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-1, Form1-A & Conceptual Plan, EIA/EMP on the basis of approved TOR 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 20-07-2012, 11-12-2012 and 06-08-2013 awarded "Gold" grading to the project.

[2] It is inter-alia, noted that the project involves the Construction of Township Project at Sector-15, Village- Rampura, Distt- Rewari, Haryana on a plot area of 336038.81 sqmt (83.037 Acres). The total built up area shall be 251742.45 sqmt. The Township project shall have total 608 plots. Out of 608 plots 269 plots will be developed as built up floors having built up area 84532.3 sqmt. It has also been proposed to develop commercial buildings having 2 basements. The project proponent has proposed to provide 2 Milk & Vegetable booth, 1 post office, 2 clinics, 2 ATMs, 2 multipurpose booths, 2 Beauty Parlors facilities, 1 Primary School, 3 Nursery Schools, 2 Nursing homes and 1 taxi stand. The maximum height of the building shall be 12 meters. The total water requirement shall be 1601 KLD. The fresh water shall be 754 KLD. The waste water generation shall be 941 KLD, which shall be treated in the STP 1130 KLD capacity. The total power requirement shall be 5081 KW which will be supplied by DHBVN. The Project Proponent has proposed to develop green belt on 34.26% of project area (20.22% tree plantation + 14.04% landscaping). The Project Proponent proposed to construct 29 rain water harvesting pits. The solid waste generation will be 4125.4 kg/day. The bio-degradable waste will be treated in the project area by adopting appropriate technology. The total parking spaces proposed are 498 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 19-12-2013 decided to agree with the recommendations of SEAC to accord necessary environmental clearance for the project under Category 8(b) 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.
- [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 shall 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 shall 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 shall 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 shall 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 of CPCB/MoEF.
- [10] Fly ash shall 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 shall be reduced by use of pre-mixed concrete, curing agents and other best practices.
- [13] Roof must meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.
- [14] Opaque wall must 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 as stated in proposal shall construct 29 nos. 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 for adequate fire safety measures and equipments as required by Haryana Fire Service Act, 2009 and instructions issued by the local Authority/Directorate of fire from time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/NOC from competent Authority as required.
- [18] The Project Proponent shall obtain assurance from the DHBVN for supply of 5081 KW 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 DHBVN 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 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.
- [21] The Project Proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the Project. Levels of the other areas in the Projects shall also be kept suitably so as to avoid flooding.
- [22] Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana.
- [23] 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.
- [24] The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.
- [25] 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.
- [26] 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.
- [27] The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.
- [28] The project proponent shall provide proper rasta of proper width and proper strength for the project before the start of construction.
- [29] 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.
- [30] 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.
- [31] The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.

- [32] The project proponent shall seek specific prior approval from concerned local Authority/HUDA regarding provision of storm drainage and sewerage system including their integration with external services of HUDA/ Local authorities beside other required services before taking up any construction activity.
- [33] The site for solid waste management plant be earmarked on the layout plan and the detailed project for setting up the solid waste management plant shall be submitted to the Authority within one month.
- [34] The project proponent shall discharge excess of treated waste water/storm water in the public drainage system and shall seek permission of HUDA before the start of construction.
- [35] 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.
- [36] 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.
- [37] The project shall provide the infrastructure services (water supply, sewer, storm water lines etc) on the common roads covering his project and the areas of others land to take additional load arising from population residing in others land to avoid multiplicity of same services on such common roads falling within the project limits.
- [38] The project proponent shall maintain the distance between STP and water supply line.

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 will be recycled to achieve zero exit discharge. The installation of STP shall be certified by an independent expert and a report in this regard shall 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.

- [d] For disinfection of the treated wastewater ultra-violet radiation or ozonization process should be used.
- [e] 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 shall 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 shall be ultra low sulphur diesel (50 ppm sulphur), instead of low sulphur diesel.
- [f] 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 Township Complex.
- [g] The project proponent as stated in the proposal shall maintain at least 34.26% 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 particulate matter. The open spaces inside the project shall be preferably landscaped and covered with vegetation/grass, herbs & shrubs. Only locally available plant species shall be used.
- [h] 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.
- [i] 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.
- [j] The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- [k] 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 SEIAA, Haryana in three months time.

- [l] Energy conservation measures like installation of LED only for lighting the areas outside the building and inside 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.
- [m] 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.
- [n] 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 treated by appropriate technology 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.
- [o] 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.
- [p] The traffic plan and the parking plan proposed by the Project Proponent should be meticulously adhered to 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.
- [q] The Project shall be operationalized only when HUDA/local authority will provide domestic water supply system in the area.
- [r] Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of project.
- [s] 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 shall be disposed of to only registered and authorized dismantler / recycler.
- [t] Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rule 1986 shall be strictly complied with.

- [u] The project proponent shall make provision for guard pond and other provisions for safety against failure in the operation of wastewater treatment facilities. The project proponent shall also identify acceptable outfall for treated effluent.
- [v] 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.
- [w] All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of connection.
- [x] The project proponent shall minimize heat island effect through shading and reflective or pervious surface instead of hard surface.
- [y] The project proponent shall use only treated water instead of fresh water for HVAC and 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.
- [z] 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.
- [aa] Water supply shall be metered among different users of utilities.
- [ab] 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-wash under any meteorological conditions.
- [ac] The project proponent shall provide water sprinkling system in the project area to suppress the dust in addition to the already suggested mitigation measures in the Air Environment Chapter of EMP.
- [ad] The project proponent shall ensure proper Air Ventilation and light system in the basements area, for comfortable living of human being and shall ensure that number of Air Changes per hour/(ACH) in basement never falls below 15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.

PART-B. GENERAL CONDITIONS:

- [i] The Project Proponent shall ensure the commitments made in Form-1, 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] 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 northern Regional Office of MoEF, the respective Zonal Office of CPCB, HSPCB and SEIAA Haryana.
- [iii] STP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green belt shall be monitored on quarterly basis. After every 3 (three) 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-IA 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 MoEF, GoI under rules prescribed for Environment Audit.

- [xii] 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.
- [xiii] 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.
- [xiv] The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.
- [xv] Besides the developer/applicant, the responsibility to ensure the compliance of Environmental Safeguards/ conditions imposed in the Environmental Clearance letter shall also lie on the licensee/licensees in whose name/names the license/CLU has been granted by the Town & Country Planning Department, Haryana.
- [xvi] The proponent shall upload the status of compliance of the stipulated Environment Clearance 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, NO_x (ambient levels as well as stack emissions) or critical sectoral 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.
- [xvii] 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 HSPCB Panchkula 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 the EC conditions and shall also be sent to the respective Regional Offices of MoEF by e-mail.

[Signature]
**Member Secretary,
 State Level Environment Impact
 Assessment Authority, Haryana, Panchkula.**

Endst. No. SEIAA/HR/2013

Dated:..... *[Signature]*

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.

[Signature]
**Member Secretary,
 State Level Environment Impact
 Assessment Authority, Haryana, Panchkula**

Ref: CR /MoEF-NRO/ Rewari/compliance/2605/2016

Date: 26.05.2016

To,

**The Member Secreatry,
SEIAA Haryana,
Bay No. 55-58, Prayatan Bhawan,
Sector - 2, Panchkula 134109, Haryana**

**The Director, IA Division,
Ministry of Environment, Forests & Climate Change
Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi-110003**

**The Regional Office,
Ministry of Environemnt & Forests,
Govt. of India, Bays No 24-25, Sector 31-A
Dakshin Marg, Chandigarh-160030**

**The Chairman,
Haryana State Pollution Control Board,
C-11, Sector 6, Panchkula**

Subject: Six monthly environmental compliance report for construction of Group Housing Project "Unitech Rewari Township" at Sector-15, Village Rampura, District Rewari, Haryana against Environmental Clearance letter issued for the project from SEIAA Haryana.

Dear Sir,

With reference to above mentioned subject, we would like to intimate you that due to the present unfavorable market scenario the construction for **Group Housing Project "Unitech Rewari Township" at Sector-15, Village Rampura, District Rewari, Haryana** is not being carried out further for the time being. We thus request you to consider our last submitted EC compliance report & environmental monitoring report only. Whenever the construction for the project will re-start, we shall intimate you and send the update in the environmental progress report accordingly.

Thanking you in anticipation,

With best regards,

For Unitech Ltd.

Authorised Signatory

Unitech Limited

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Gurgaon 122 007, Haryana, India

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New Delhi - 110017

T +91 11 41664040

Ref: UL/Unitech Rewari Township/0603/2014

To,

The Director(S)

Northern Regional Office, Ministry of Environment & Forests

Bays No.24-25, Sector-31-A

Dakshin Marg, Chandigarh - 160030

The Member Secretary,

State Environment Impact Assessment Authority (SEIAA), Haryana
Bays No.- 55-58, Prayatan Bhavan, Sector-2, Panchkula-134109
Haryana

The Chairman,

Central Pollution Control Board
Parivash Bhawan, CBD cum Office Complex
East Arjun Nagar, Delhi-110032

The Chairman,

Haryana State Pollution Control Board,
C-11, Sector-6, Panchkula, Chandigarh-134109
Haryana

unitech

Date: 06.03.2014

Subject: Submission of Initial Compliance report (along with soft copy in CD) for monitoring of implementation status of Conditions laid down in Environmental Clearance letter issued by SEIAA, Haryana for "Unitech Rewari Township" Project at Sector 15, Village Rampura, District Rewari, Haryana being developed by M/s Unitech Limited.

Ref: EC letter No. SEIAA/HR/2013/1571 dated 24.12.2013 received on 13.01.2014.
Letter Ref: File No 4-1335/2014-RO (NZ)/4246 dated 23.01.2014 received on 12.02.2014.

Respected Sir,

With reference to the above mentioned subject, we are pleased to inform you that we have received the Environmental Clearance (EC) letter of the proposed "Unitech Rewari Township" project at Sector 15, Village Rampura, District Rewari, Haryana being developed by M/s Unitech Ltd. vide letter no. SEIAA/HR/2013/1571 dated 24.12.2013 received on 13.01.2014

We wish to inform you that, we not yet started the construction activity at the project site. As per the Environment Clearance, General Condition point no. (ii), we are submitting herewith the Initial Six-Monthly EC compliance report for the said project which includes the point wise reply to the conditions mentioned in the above said EC letter along with the relevant annexure.

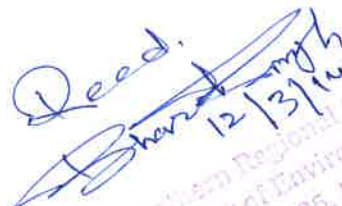
In the above said EC letter there are certain clauses under which we have to take permission from different statutory bodies before the start of construction. We have already taken the initiative and applied to the concerned authorities for approval. We are hoping to receive some of the approvals in a short period of time and certain approvals will take a longer time as per their statutory rules and system. As a proof we are enclosing the application covering letters with receiving as submitted to the various statutory bodies with this EC compliance report. Once we receive the necessary approvals from the competent authorities we shall submit the same to you for your office record.

We are committed to comply with the conditions mentioned in the above said EC letter as applicable and technically feasible of compliance for the project. Hope, you will find the information in order and it will meet your expectations to assess the implementation status of environmental safeguard measures for the project. This is for your kind information and necessary office records.

Thanking you in anticipation,

Yours faithfully,
For Unitech Limited


06/03/2014
Authorised Signatory

Deed.

12/3/14
Northern Regional Office,
Ministry of Environment & Forests,
Bays No. 24-25, Dakshin Marg,
Chandigarh

Encl: Initial Compliance report with relevant Annexure (with soft copy in CD).

**Unitech**

Ref: UL/Unitech Rewari Township /0603/2014

To,
The Director(S)
Northern Regional Office, Ministry of Environment & Forests
Bays No.24-25, Sector-31-A
Dakshin Marg, Chandigarh - 160030

The Member Secretary,
State Environment Impact Assessment Authority (SEIAA), Haryana
Bays No.- 55-58, Prayatan Bhawan, Sector-2, Panchkula-134109
Haryana

Date: 06.03.2014

The Chairman,
Central Pollution Control Board
Parivash Bhawan, CBD cum Office Complex
East Arjun Nagar, Delhi-110032

The Chairman,
Haryana State Pollution Control Board,
C-11, Sector-6, Panchkula, Chandigarh-134109
Haryana

Haryana State Pollution Control Board
C-11, Sector-6, Panchkula

Subject: Submission of Initial Compliance report (along with soft copy in CD) for monitoring of implementation status of Conditions laid down in Environmental Clearance letter issued by SEIAA, Haryana for "Unitech Rewari Township" Project at Sector 15, Village Rampura, District Rewari, Haryana being developed by M/s Unitech Limited.

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In the above said EC letter there are certain clauses under which we have to take permission from different statutory bodies before the start of construction. We have already taken the initiative and applied to the concerned authorities for approval. We are hoping to receive some of the approvals in a short period of time and certain approvals will take a longer time as per their statutory rules and system. As a proof we are enclosing the application covering letters with receiving as submitted to the various statutory bodies with this EC compliance report. Once we receive the necessary approvals from the competent authorities we shall submit the same to you for your office record.

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Thanking you in anticipation,

Yours faithfully,
For Unitech Limited


Authorised Signatory

Encl: Initial Compliance report with relevant Annexure (with soft copy in CD).

**“UNITECH REWARI TOWNSHIP” PROJECT AT SECTOR -15,
VILLAGE RAMPURA. DISTRICT REWARI, HARYANA**

NAME OF DOCUMENT	ANNEXURES
FOREST DEPARTMENT PERMISSION/ARAVALI NOC	Annexure-I
LICENSE & GOOGLE MAP	Annexure-II
ENVIRONMENTAL MANAGEMENT COST	Annexure-III
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INITIAL ENVIRONMENTAL COMPLIANCE REPORT

**“Unitech Rewari Township” Project at Sector 15, Village Rampura,
District Rewari, Haryana being developed by M/s Unitech Ltd**

FOR THE MONTH OF MARCH’ 2014

		<p>► Parking requirement for residential within the plots and the parking proposed for the commercial and amenities of the project is 498 ECS.</p> <p>► Solid waste collection, segregation and disposal will be as per the MSW Rules, 2000.</p> <p>► The DG sets will be acoustically enclosed to meet the noise standards and will have proper stack height as per CPCB norms.</p>
7.	<p>Break of the project area:</p> <p>a) Submergence area: Forest & non-forest. b) Others</p>	<p>N/A, we have already obtained the NOC from concerned Deputy commissioner of Rewari which shows that our Residential Township project does not fall under reserved forest/ protected forest and Section 4 & 5 of PLPA, 1900 & Aravali areas. The details are enclosed herewith as Annexure-I for your ready reference.</p>
8.	<p>Break of the project affected population with numeration of those losing houses/dwelling units only, agricultural land only both dwelling units and land less labourers/artisans.</p> <p>a) SC/ST/Adivasis b) Others (Please indicate whether these figures are based on any scientific and systematic survey carried out or only provisional figures. If survey has been carried out, give details and year of survey)</p>	<p>The proposed project site is earmarked for development of Residential Township plotted colony as per Master plan of Rewari and as per the license granted by DTCP, Haryana. The land is a vacant piece of land hence there will be no displacement of population. The license copy of the project is enclosed herewith as Annexure-II for your ready reference.</p>
9.	<p>Financial Details:</p> <p>Project cost as originally planned subsequent revised estimates and the year of price reference.</p> <p>a) Allocations made for environmental management plans with item wise and year wise break up. b) Benefit cost ratio/internal rate of return and the year of assessment. c) Weather (c) includes the cost of environmental management as shown in (b) above. d) Actual expenditure incurred on the project so far. e) Actual expenditure incurred on the environmental management so far:</p>	<p>Estimated project cost of the project is approximately Rs. 19695 Lacs (Excluding land cost)</p> <p>Enclosed as Annexure-III.</p> <p>N/A.</p> <p>N/A.</p> <p>We are yet to start the construction activities at the project site. Estimated project cost of the project is approximately Rs. 19695 Lacs (Excluding land cost). The estimated project cost of Environmental Management plan is approximately Rs. 175.50 Lacs capital cost & approximately Rs. 31.50 Lacs/year</p>

		recurring expenses. Please refer Annexure-III for details.
10.	Forest land requirement: a) The status of approval for diversion of forest land for non-forestry use. b) The status of clear felling. c) The status of compensatory afforestation, if any. d) Comments on the viability & Sustainability of compensatory afforestation programme in the light of actual field experience so far.	N/A, already the license has been obtained from DTCP, Haryana vide license no. 84 of 2009 dated 10.12.2009 valid up to 09.12.2013 (Copy of License enclosed as Annexure-II). N/A. N/A. N/A, The proposed project site is earmarked for development of Residential Township plotted colony as per Master plan of Rewari and as per the license granted by DTCP, Haryana. The land is a vacant piece of land hence no compensatory a forestation plan is required for the project.
11.	The status of clear felling in non-forest areas (such as submergence area of reservoir, approach road) if any, with quantitative information.	N/A, Our Residential Township project does not exist in Aravali areas. In this regards, we have already obtained the NOC from concerned Deputy commissioner of Rewari stating that the project area does not fall under reserved forest/ protected forest and Section 4 & 5 of PLPA, 1900. The details are enclosed herewith as Annexure-I for your ready reference.
12.	Status of construction: a) Date of commencement (actual and/or planned). b) Date of completion (actual and/or planned).	Project is presently in final stage of planning and approval. Project is presently in final stage of planning and approval.
13	Reasons for the delay if the project is yet to start:	Project is presently in final stage of planning and approval.

**“Unitech Rewari Township” Project at Sector 15, Village Rampura, District Rewari,
Haryana being developed by Unitech Limited.**

S.no	Compliance conditions	Compliance status
PART-A- SPECIFIC CONDITIONS		
I	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.	Yes, Project Proponent (PP) will obtain “Consent to Establish” (NOC) from Haryana State Pollution Control Board for the said project and submit the same to the SEIAA, Haryana.
2.	A First Aid Room as proposed in the project report shall be provided both during construction and operational phase of the project.	Adequate first Aid facilities will be ensured at the project site both during construction and operational phase of the project. Presently the project is in its planning stage.
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 laborers is strictly prohibited. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.	Adequate facilities in regard to drinking water, sanitation for construction labours and solid waste management will be provided at the project site. Open defecation by the laborers will be strictly prohibited.
4.	All the top soil excavated during construction must be stored for use in horticulture/landscape development within the project site.	Yes, the fertile top soil excavated during the construction will be stored and be used later for 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 off after taking necessary precautions for general safety and health aspects of people only in approved sites with the approval of competent authority.	The excavated fertile top soil will stored for future landscaping and most of the excavated material will be used for backfilling. The site safety and health aspects measures will be implemented as per our Standard Operation Plan for Environment & Health enclosed as Annexure-IV for your ready reference.
6.	Construction spoils including bituminous material 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 groundwater 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.	As such no hazardous/ bituminous material will be used in construction activity. All possible precautions will be taken to prevent contamination of groundwater/leaching if any.
7.	The diesel generator sets to be used during the construction phase should be of ultra low sulphur	Presently the project is in its planning stage and we have already obtained the temporary connection for

	diesel type and should conform to E (P) Rules prescribed for air and noise emission standards.	the project. All the D.G. sets used in the construction phase for power back up purpose will be as per Environment (Protection) Rules for air and Noise emission standard. LSD/ market available diesel shall be used in D.G. sets. The D.G. sets will be operated only during power failure periodically for construction activities on need basis. Regular six monthly monitoring of Ambient air quality and noise will be carried out by MoEF approved Lab where directly/indirectly we will monitor the D.G. sets with respect to pollution. This environmental monitoring report shall be submitted to your office for your necessary records.
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.	All the required clearance will be taken from Chief Controller of Explosives before the operation of the project and submit to your office for your necessary records.
9.	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 taken to reduce ambient air and noise level during construction phase, so as to conform to the stipulated residential standards.	Available best construction practices will be followed to take care of the Environment. Regular six monthly monitoring of Ambient air quality and noise will be carried out by MoEF approved Lab and submitted to your office for your necessary records.
10.	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 27 th August, 2003.	Yes, PP will use Fly ash as building construction material.
11.	Storm water control and its re-use as per CGWB and BIS standards for various applications should be ensured.	Storm water control and its re-use will be as per CGWB and BIS standards. Kindly refer the dual plumbing plan attached herewith as Annexure-V for your ready reference.
12.	Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.	Yes, pre-mixed concrete will be used to reduce the water demand during the construction phase of the project.
13.	Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.	All the roofs will be designed as per ECBC norms as far as possible and will be insulated to minimize heat gain.
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.	Yes. The project will be developed according to ECBC norms as far as possible.

15.	The approval of the competent authority shall be obtained for structural safety of the building on account of earthquake, adequacy of firefighting equipment 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	Please find enclosed herewith the Structural safety certificate enclosed as Annexure-VI . We have already obtained the NOC from concerned Deputy commissioner of Rewari which shows that the project area does not fall under reserved forest/ protected forest and Section 4 & 5 of PLPA, 1900. The details are enclosed herewith as Annexure-I for your ready reference.
16.	The project proponent stated in proposal shall construct 29 Nos rain water harvesting pits for recharging the ground water within the project premises. Rain water harvesting pits shall designed to make provision for silting chamber and removal of floating matter before entering harvesting pit. Maintenance budget and persons responsible for the maintenance must be provided. Care shall also be taken that contaminated water do not enter any RWH pit.	Yes, unit will be proposed 18 Nos of rain water harvesting pits for infrastructure & Commercial Facilities. However, for plotted development the rain water harvesting pits will be provided as per the Notification No.10093 issued by Town & Country Planning Department of Haryana dated 11 th April 2007. A design detail of rain water harvesting pits is enclosed herewith as Annexure-VII for your ready reference.
17.	The project proponent shall provide for adequate fire safety measures and equipment as required by Haryana Fire Service Act' 2009 and instruction issued by the local Authority/Directorate of Fire from time to time. Further the project proponent shall take necessary permission regarding Fire Safety scheme/ NOC from competent authority as required.	As mentioned in the environmental Clearance letter the said project is Residential Township plotted development project. The maximum height of the project is within 12 m . Hence the NOC from competent authority is presently not required.
18.	The Project Proponent shall submit assurance from DHBVN for supply of 5081 KW 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.	Project is in its initial stage and we have obtained Temporary connection from the DHBVN . Temporary connection details are enclosed herewith as Annexure-VIII .
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.	Detailed calculation of power load and ultimate power load of the project is enclosed as Annexure-IX .
20.	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.	Unit will comply with the said condition, there is no Nallah/water course existing in our project area.
21.	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 Project shall also be kept suitably so as to avoid flooding.	We shall comply with the said condition. Properly designed drainage system for domestic as well as storm water shall be provided to prevent Flooding. Details are enclosed as Annexure-V .

22.	Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana	Yes, the construction of the said project will be carried out as per approved layout plan with population density norms as approved by Director General Town and Country Department Haryana.
23.	The project Proponent shall submit an affidavit with the declaration that groundwater will not be used for construction and only treated water would be used for construction.	Yes, the affidavit in this regard is already submitted to the SEAC, Haryana for the environmental clearance of the project. All the construction activities of the project will be carried out by the surface water supplied by the water tanker supplier. Agreement with water tanker supplier is enclosed as Annexure-X .
24.	The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green areas.	Yes, we are committed to comply with the said stipulated conditions for the project. Due clearance from the concern authority will be taken for the project if any exiting tree cutting is required for the development of the project.
25.	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.	The project development will be carried out as per the ECBC norms as far as applicable and technically feasible for the project.
26.	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.	To restrict dust and air pollution during construction the following measures will be undertaken: <ul style="list-style-type: none"> • All the loose material either stacked or transported shall be provided with suitable covering; • Water sprinkling shall be done at the location where dust generation is anticipated;
27.	The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.	Yes, PP will construct the necessary sedimentation basin in the project area if required for trapping project site pollutant and other wastes during rainy season.
28.	The project proponent shall provide proper Rasta of proper width and proper strength for each project before the start of construction.	The proposed project is 83.037 acres land and appropriate road will be provided for construction materials and construction related vehicles in the project site.
29.	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.	Yes, PP will comply with said condition. Please refer to Annexure-XI for details.
30.	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	To minimize the impact of the dust generated during construction activities the following measures will be adopted: <ul style="list-style-type: none"> • All the loose material either stacked or transported shall be provided with suitable

	workers.	<p>covering;</p> <ul style="list-style-type: none"> • Water sprinkling shall be done at the location where dust generation is anticipated; • Proper masks shall be provided to workers who will be engaged in dust generation activity;
31.	The project proponent shall obtain permission of Mines and Geology department for excavation of soil before the start of construction.	As per the submitted plan to the SEAC & SEIAA, Haryana no basement will be provided for the Residential Township. Hence presently no soil excavation will be carried out for the project.
32.	The project proponent shall seek specific prior approval from concerned local Authority/HUDA regarding provision of storm drainage and sewage system including their integration with external services of HUDA/Local authority beside other required services before taking up any construction activity.	All the necessary approval from the concerned authority will be taken before taking up any construction activity for the project.
33.	The solid waste management plant be earmarked on the layout plan and the detailed project for setting up the solid waste management plan shall be submitted to the authority within one month.	Please refer our solid waste management plan and earmarked layout plan enclosed herewith as Annexure-XII .
34.	The project proponent discharges excess of treated waste water/storm water in the public drainage system and shall seek permission before the start of the construction.	Yes, Project proponent shall take care of the said stipulated condition as per applicable and technically feasible for the project.
35.	Project proponent shall ensure that no construction activity is undertaken on surface of revenue Rasta passing through the project area.	Yes, Project Proponent shall ensure that, there will be no construction activity on the existing Revenue Rasta. As per the approved project layout plan by DTCP Haryana there is no Nallah/water course existing in our project area
36.	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 any citizen can use it. There shall not be any gate with or without guards on revenue rasta and passage through the revenue rasta shall remain fully unobstructed.	<p>In this regard we would like to inform you that no revenue rasta is present at the project site. Approved layout plan is Yes, Project proponent shall take care of the said stipulated condition as per applicable and technically feasible for the project.</p> <p>The Revenue Rasta shall remain the same. As per the approved project layout plan by DTCP Haryana.</p> <p>As per the approved project layout plan by DTCP Haryana there is no Nallah/water course existing in our project area</p>
37.	The project proponent shall provide infrastructure services (water supply, sewer, storm water lines etc.) on the common roads covering his project and the area of other land to take additional load arising	Yes, we will take care of the said stipulated condition and try our level best to complete all the infrastructure of the residential colony before possession.

	from population residing in others land to avoid multiplicity of same services on such common roads falling within the project limits.	
38.	The Project proponent shall maintain the distance between STP and water supply line.	Yes, Project proponent shall take care of the said stipulated condition as per applicable and technically feasible for the project.
II	OPERATIONAL PHASE	
[a]	Consent to operate shall be obtained from Haryana State Pollution Control Board under Air and Water Act and copy shall be submitted to SEIAA.	Yes, After the completion of the construction activities of the project PP will go for the consent to operate form the Haryana State Pollution Control Board for the commissioning of the project.
[b]	The sewage treatment plant (STP) shall be installed for the treatment of sewage to the prescribed standard including odour and treated effluent will be recycled to achieve to zero exit discharge. The installation of STP should be certified by an independent expert and report in this regard should be submitted to 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 HSPCB. Panchkula project proponent shall implement such STP technology which does not require filter backwash.	The total water requirement will be estimated as 1601 KLD . The fresh water requirement shall be 754 KLD . Total quantity of wastewater generation will likely to be 941 KLD . The generated sewage will be collected and treated in Sewage Treatment Plant of total capacity 1130 KLD capacity. Treated waste water will be used for flushing, Horticulture and misc purposes and excess water will be used for construction activity of other new proposed project. After the installation of the STP we will submit structural & Operational design with tertiary treatment facility to your office certified through independent expert. The details of water balance diagram are enclosed herewith as Annexure-XIII .
[c]	Separation of gray 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 that 10 mg/litre and the recycled water will be used for flushing, gardening and DG set cooling etc.	Dual plumbing line system for separation of grey water and black water shall be provided. All the waste water generated from the project will be further treated through the adequate capacity STP of SAFF technology plant and utilized for recirculation in flushing, gardening and misc purpose with maintaining less BOD (< 10 mg/l) level.
[d]	For disinfection of the treated waste water ultra violet radiation or ozonization process should be used.	For disinfection of the treated waste water ultra violet radiation or ozonization will be used as per requirement of the project.
[e]	Diesel Power generating sets proposed as source of backup power for lifts, common area illumination and for domestic use should be enclosed type and conform to rules made under environment (protection) act 1986. The location of the DG set should be in basement as promised by the project proponent with appropriate stack height above the roof level as per the CPCB norms. The diesel used for DG sets should be ultra low sulphur diesel (50 ppm) instead of low sulphur diesel.	DG sets locations will be provided on surface with proper anti vibration pad, acoustic enclosure. Adequate stack height as per CPCB norms and for Air pollution prevention will use LSD/ market available diesel. Unit will proposed 8 DG sets of 3580 KVA capacity (6X500 KVA+1X380 KVA+1X200 KVA) sets as per proposed plan for power back-up to lifts, common area and emergency purpose under Environment (Protection) Act' 1986.

[f]	Ambient noise level should be controlled to ensure that it does not exceed the prescribed standard both within and at boundary of the proposed Township Complex.	Yes, PP will take care of the said stipulated conditions. All the D.G sets proposed for the project will be installed at the surface area of the project with proper anti vibration pad, acoustic enclosure to control the noise level within the prescribe standards. However, adequate landscaping with broad canopy area will be provided at the peripheral area of the project for controlling unnecessary noise level in prescribed standard both within and at boundary of Project.
[g]	The project proponent should maintain the least 34.26% as green cover area for tree plantation especially all around the periphery of the project and on the road side preferably with local species which can provide protection against noise and suspended particulate matter. The open space inside the project should be preferable landscape and covered with vegetation/grass, herbs & shrubs. Only local available plant species should be used.	Yes, the green cover area for tree plantation especially all around the periphery of the project and on the road side will be developed as per our submitted Landscape plan to committee. Where we are proposing 34.26% of total plot area for the green development (20.22% area under trees plantation, 14.04% area under Landscape). The open space inside the project will be preferable landscape and covered with vegetation/grass, herbs & shrubs
[h]	The project proponent shall strive to minimize water in irrigation of landscape by minimizing grass area, using native, xeriscaping and mulching, utilizing efficient irrigation system scheduling, and irrigation only after checking evaporation data.	Yes, adequate landscaping will be provided with minimizing water requirement in irrigation through for utilizing efficient irrigation system scheduling.
[i]	Rain water harvesting for roof runoff and surface runoff, as per plan submitted should be implemented. Before recharging the surface runoff, pre treatment through sedimentation tanks must be done to remove suspended matter, oil & grease. The bore well for rain water recharging shall be kept at least 5 mtrs above the highest ground water table. Care shall be taken that contamination water do not enter any RWH pit. The project proponent shall avoid rain water harvesting of first 10 min of rain fall. Roof top of the building shall be without any toxic material or paint which can contamination rain water, wire mess and filter should be used wherever required.	Yes, unit will be proposed for the project 18 Nos of rain water harvesting pits. A design detail of rain water harvesting pits is enclosed herewith as Annexure-VII for your ready reference.
[j]	The ground water level and quality should be monitored regularly in consultation with central ground water Authority.	Yes, we will take care of the said stipulated condition for the project. The proposed project site is not having any existing bore well. And the proposed project does not require/ is not planning to take any approval of tube well from Central Ground Water Authority. In the Operation phase, HUDA water supply will be available. For the above said reason monitoring of groundwater level and quality will not be practically

		feasible.
[k]	A report on the energy conservation measure conforming to energy conservation norms finalized by Bureau of Energy efficiency should be prepared incorporating detail about building material & technology, R & U factor etc and submitted to SEIAA, Haryana in three months times.	PP will take care of Energy conservation measures through ECBC .Building material proposed with R & U values and quantification of energy saved and energy conservation measures is enclosed herewith as Annexure-XI .
[l]	Energy conservation measure 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 maximum energy conservation.	Energy conservation measure like installation of CFL/LED for lighting the areas outside the building will be provided as an integral part of the project design. Solar lighting in street lighting, timer controlled street lighting and solar water heating system has been proposed for the project details are enclosed herewith as Annexure-XIV
[m]	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.	Yes, PP will adhere to the said condition as far as applicable and technically feasible for the project.
[n]	The solid waste generated should be properly collected and segregated as per the requirement of the MSW rule, 2000 and as amended from time to time. The biodegradable waste should be composted by vermi composting at site ear marked within the project area and dry /inert solid waste should be disposed off to the approved site for land filling after recovering recyclable material.	Unit will provide different colour of bin for manage/segregate of generated solid waste as per MSW rule 2000, amendment 2008. All the generated biodegradable waste will be composted at the designated place provided within the project area for further utilization in horticultural activities. All dry /inert solid waste should be disposed off to the approved site for land filling after recovering recyclable material through approved vender.
[o]	The provision of solar water heating system shall be as per norms specified by HAREDA and shall be made operational in each building block.	Yes, solar water heating system will be proposed as per norms specified by HAREDA for the plots to be constructed by M/s Unitech Limited.
[p]	The traffic plan and parking plan proposed by the project proponent should be meticulously adhered to 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.	Proper traffic circulation plan with separate entry and exits will be provided at the project site to avoid the traffic conjunction. As per our submitted plan total parking provided for the project approximately 498 ECS . Parking will be proposed for the project with 20% extra visitors parking therefore no public place will be utilized. Details are enclosed as Annexure-XV .
[q]	Project shall be operationalized only when HUDA/public authority will provide domestic water supply system in the area.	PP has already obtained the assurance letter from HUDA for domestic water supply for the operational phase of the project. Details are enclosed as Annexure-XVI .

[r]	Operation and maintenance of STP, solid waste management and electrical infrastructure. Pollution control measure shall be ensured even after the completion of project.	Yes, PP will take care of the said stipulated condition of the environment clearance letter. Due care will be taken for the operation and maintenance of STP, solid waste management, electrical infrastructure and pollution control measure even after the completion of sale till the formation of RWA.
[s]	Different type of waste should be disposed off as per provision of municipal solid waste, biomedical waste, hazardous waste, e-waste, batteries & plastic rule made under Environment Protection Act 1986. Particularly E-waste and batteries waste shall be disposed of as per existing E-waste management rule 2011 and batteries management rule 2001. The project proponent should maintain a collection centre for E-waste and it should be disposed of to only register authorized dismantler/recycler.	The proposed project is Residential township plotted colony. Project will be generated bio-medical waste handover to approved service provider of CPCB as per Bio-medical waste (Management and Handling) Rules, 1998. It includes solid, liquid and laboratory waste that are potentially infectious or dangerous. Hazardous waste of DG used oil which will be properly handed over to CPCB/HSPCB/MoEF approved vendor. Being a plotted development project the E-waste generation from the project will be of negligible amount and will be managed as per existing E-waste management rule 2011 and batteries management rule 2001.
[t]	Standard of discharge of environmental pollution as enshrined in various schedule of rule 3 of environment protection act 1986 shall be strictly complied with.	All adequate controlling measures will be implemented for discharge of environmental pollution as enshrined in various schedule of rule 3 of environment protection act 1986 as far as applicable and technically feasible of compliance.
[u]	The project proponent shall make provision for guard pond and other provision for safety against failure in the operation of waste water treatment facility the project proponent shall also identify acceptable outfall for treatment facilities. The project proponent shall also identify acceptable outfall for treated effluent.	We have already obtained the Assurance letter from the Haryana Urban Development Authority (HUDA) for the project for excess treated water discharge/emergency discharge into HUDA main sewer line. Details are enclosed herewith as Annexure-XVII .
[v]	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 standard 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 standard for high capacity DG sets.	Unit will proposed 8 Nos of DG sets of 3580 KVA (6X500 KVA+1X380 KVA+1X200 KVA) capacities will be proposed for power backup with adequate stack height as per CPCB norms.
[w]	All electric supply exceeding 100 amps, 3 phases shall maintain the power factor between 0.98 lag to 1 at the point of connection.	Unit will be providing highly efficient DG set for power back which providing 0.98 lag to 1 at point of connection with 0.85 lag of alternator for electrical supply exceeding 100 amps, 3 phases.

[x]	The project proponent shall minimize heat island effect through shading and reflective or previous surface instead of hard surface.	Building material with adequate R & U values will be proposed for minimizing heat island effect through shading and reflective or previous surface instead of hard surface.
[y]	The project proponent shall use only treated water instead of fresh water for HVAC and DG cooling, the project proponent shall also use evaporation cooling technology and double state cooling system for HVAC in order to reduce water consumption. Further temperature relative humidity during summer and winter season 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. Coli type cooling DG sets shall be used for saving cooling water consumption for water cooled DG sets.	Approximately treated water (about 941 KLD) will be used for flushing, Horticulture and misc purposes.
[z]	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.	Before purchasing of transformer from the manufacture manufacturer's certificate will be obtain to ensure that the transformer is constructed with high quality grain oriented, low loss silicon steel and virgin electrolyte grade copper.
[aa]	Water supply shall be metered among different utilities.	Water meter at every necessary place for knowing about water quantity in project area as well as in STP Inlet and outlet for consumption will be provided by the project proponent.
[ab]	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.	PP will be provided adequate stack height (as per IS: 11255 for knowing about velocity with isokinetic flow.
[ac]	The project proponent shall provide water sprinkler system in the project area to suppress the dust in addition to the already suggested mitigation measures in the Air Environment chapter of EMP.	Unit will comply with the said stipulated condition. During the construction phase PP shall be provided the water sprinkler system for the dust control and take care of all necessary mitigation measure for Air pollution control of the project site.
[ad]	The project proponent shall ensure proper Air ventilation and light system in the basement area for comfortable living of human being and shall ensure that number of Air change per hours/ACH in basement never falls below 15. In case of emergency capacity for increasing ACH to the extent of 30 must be provided by the project proponent.	Yes, PP will adhere to the said condition as far as applicable and technically feasible for the project.

PART-B- GENERAL CONDITIONS		
S.NO.	COMPLIANCE CONDITIONS	COMPLIANCE STATUS
i	The project proponent shall ensure that commitments made in Form-1, Form-1A, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguard are complied within letter and spirit. In case of contradiction between two or more documents on any point, the most environmentally friendly commitments on the point shall be taken as commitment by project proponent.	The Environmental safeguards contained in Form-1, /Form-1A, EMP and environmental clearance letter will be implemented in true spirit. Please find attached a copy of the EIA/EMP Form 1/1A receiving copy enclosed as Annexure-XVIII .
ii	The Project proponent shall also submit Six monthly reports on the status of compliance of stipulated EC conditions including result of monitored data (both in hard copies as well as by e-mail) to Northern Regional office MoEF, the respective Zonal Office of CPCB, HSPCB and SEIAA, Haryana.	Yes, PP is committed to comply with the said stipulated condition for project and regularly submit the six monthly compliance report of the project along with the Environmental Monitoring report carried out by MoEF approved Lab to HSPCB and Regional Office MoEF, GOI, Northern Regional office, Chandigarh, Zonal office CPCB and SEIAA, Haryana.
iii	STP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters shall be monitored on quarterly basis. After every 3 months the project proponent shall conduct environmental audit and shall take corrective measure, if required without delay.	As per MoEF EIA Guidelines Six monthly EC compliance report will be submitted along with environmental monitoring report of STP, Noise, Ambient Air & Stack to the HSPCB and Regional office, MoEF, GOI, Northern Region, Chandigarh and SEIAA, Haryana. The Maintenance team will take care of smooth functioning of the STP and D.G. sets via AMC with competent company/ vendor/ expert. They will monitor their relevant parameters of STP & D.G. sets on daily basis via online or manual system. All the D.G. sets will be provided with acoustic enclosure and adequate stack height as per CPCB norms. So the probability of air & noise emissions is low. Periodic maintenance work of STP & D.G. sets will be carried out for ensuring the smooth & proper functioning of STP & D.G. sets.
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 10 satisfaction of SEIAA/MoEF.	PP will abide by the additional safeguards if suggested by the MoEF/SEIAA, Haryana in future as applicable and technically feasible of compliance.
v	The project proponent shall be not violate any judicial orders/ pronouncements issued by any Court/Tribunal.	PP shall comply with the said condition as applicable for said project, if any.

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 proponent from the respective authorities prior to construction of the project.	All other statutory clearances such as the approvals from: Approvals of: <ul style="list-style-type: none"> • Chief Controller of Explosives: will be obtained in time. • Fire Department: N/A • PLPA, 1900, Forest Act, 1927: N/A, • Civil Aviation: N/A, Height is below 30 meters of the project. Forest Conservation Act: N/A Wildlife Act : N/A
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 circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment clearance condition shall also be put on project proponent's web site for public awareness.	PP received the EC letter vide letter no. SEIAA/HR/2013/1571 dated 24.12.2013 received on 13.01.2014 and in compliance with the said condition PP duly published an advertisement in THE TIMES OF INDIA NEW DELHI /GURGAON SATURDAY, JANUARY, 18, 2014 (English) and DANIK JAGRAN NEW DELHI SATURDAY, JANUARY, 18, 2014 (Hindi) informing the public about the grant of EC for our project. Copies of the advertisement are enclosed as Annexure-XIX for your reference. Apart from this PP has also uploaded the EC accorded for the project on the company's official website: www.unitechgroup.com for public awareness. Also PP has submitted the above said advertisements to SEIAA, Haryana vide letter no. UL/Advertisement/SEIAA-H/Rewari/2801/2014 dated 28.01.2014 . Please refer Annexure-XX for the said letter.
viii	Under the Provision of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started before obtaining prior Environmental Clearance.	PP yet not to be started the construction activities at the project site. PP has already obtained Environmental Clearance vide letter no SEIAA/HR/2013/1571 dated 24.12.2013 received on 13.01.2014 . Construction schedules are in its planning stage.
ix	Any appeal against the 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.	PP is committed to comply with all the directions/Rules/Instructions issued time to time by the Board as applicable and technically feasible of the project.
x	The project proponent shall put in place Corporate Environmental Policy as mentioned in MoEF, GOI, OM 1-11013/41/2006-IA II (I) dated 26.04.2012 within 3 months period. Latest Corporate Environmental Policy should be submitted to SEIAA within 3 months of issuance of this letter.	Please refer the latest Environmental Policy is enclosed herewith as Annexure-XXI for your ready reference.
xi	The fund ear-marked for environmental protection measure 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 MoEF, GOI under rules prescribed for Environment Audit.	The Environment Management Plan cost details proposed for the project is enclosed herewith as Annexure –III .

xii	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.	PP will take care of the said stipulated condition. Vehicles will not be allowed to enter the project premises during construction/operational phase both without the "Pollution Under Control" certificate from the competent authority.
xiii	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.	Yes, PP will take care of the said stipulated conditions as applicable and technically feasible of the project.
xiv	The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.	Yes, we will take care of the said stipulated condition for the project. The project development will be carried out as per the project configuration submitted for the Environmental clearance of the project.
xv	Besides the developer/applicant the responsibility to ensure the compliance of Environmental safeguards/conditions imposed in the Environmental clearance letter shall also lie on the license/licenses in whose name/names the license/CLU has been granted by the Town & Country Planning Department Haryana.	The proposed project site is earmarked for development of Residential Township plotted colony as per Master plan of Rewari and as per the license granted by DTCP, Haryana. The license copy of the project is enclosed herewith as Annexure-II for your ready reference.
xvi	The proponent shall upload the status of compliance of the stipulated Environmental clearance conditions including results of monitored data 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, SOx, Nox, (ambient levels as well as stack emissions) or critical sectoral 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, PP is committed to comply with the said stipulated condition for project and regularly submit the six monthly compliance report of the project along with the Environmental Monitoring report carried out by MoEF approved Lab to HSPCB and Regional Office MoEF, GOI, Northern Regional office, Chandigarh, Zonal office CPCB and SEIAA, Haryana.
xvii	The Environment Statement for each financial year ending 31 st March in form-V as is mandated to be submitted by the project proponent to the HSPCB Panchkula as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently shall also put on website of the company along with the status of compliance of the EC conditions and shall also be sent to the respective Regional Offices of MoEF by email.	Yes, PP will take care of the said stipulated conditions as applicable and technically feasible of the project. Presently project it planning stage whenever, we have obtained the CTO from HSPCB, Environmental statement as Form -V submitted to your office before the ending of 31 st March of each financial year.

ANNEXURE-I
Forest NOC from DC

प्रेषक

जिला राजस्व अधिकारी,
रेवाड़ी।

प्रेषित

यूनिटेक लिमिटेड,
कार्यालय यूनिटेक हाऊस,
साऊथ सिटी-1, गुड़गांव।

यादि क्रमांक 5491 / एस.के./एन.एस.के. दिनांक : 6.12.2013

विषय: — **Request for issuing letter against Arawali Notification 1992 & PLPA 1900 and Forest NOC for our upcoming "Unitech Township" project, sector 15, village Rampura, Rewari.**

— : —

उपरोक्त विषय पर आपके प्रार्थना दिनांक 27-09-2013 के सन्दर्भ में इस कार्यालय के क्रमांक 5074/एस.के./एन.एस.के., दिनांक 29-10-2013 द्वारा जिला वन अधिकारी, रेवाड़ी व पत्र क्रमांक 5075/एस.के./एन.एस.के., दिनांक 29-10-2013 द्वारा तहसीलदार, रेवाड़ी से रिपोर्ट प्राप्त ली गई।

वन विभाग, रेवाड़ी व हल्का पटवारी की रिपोर्ट अनुसार पत्र में वर्णित भूमि खसरा नम्बरान मौजा रामपुरा, तहसील रेवाड़ी में स्थित है। इन नम्बरान में मुताबिक राजस्व रिकार्ड गैरमुमकिन पहाड़-राड़ा-बीहड़-बंजर-रड़ आदि नहीं है व उपरोक्त आराजी अरावली क्षेत्र से बाहर है जो मुताबिक रिकार्ड दुरुस्त है।

इसके अतिरिक्त वन विभाग के पत्र क्रमांक 1669, दिनांक 22-11-2013 की प्रति पत्र में वर्णित हिदायतों की पालना हेतु आपको प्रेषित है।

संलग्न: उपरोक्त।

जिला राजस्व अधिकारी,
रेवाड़ी। 6/12/13

From: Divisional Forest Officer,
Rewari.

To,
M/s Unitech Limited
Unitech House, L-Block
South City-1, Gurgaon

No. 1669 Dated: 22/11/13

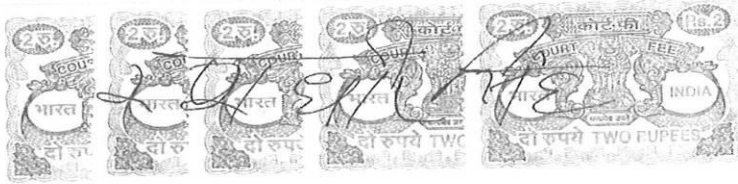
Sub: Clarification regarding applicability of forest laws on land for M/S Unitech Ltd Located at Village Rampura Dist. Rewari measuring 83.037 Acre.

Applicant M/S Unitech Ltd. made a request to issue clarification regarding applicability of laws/acts on the land bearing Rec. No. 21//18/2,19,20,21,23/1,22 Rect. No. 28//1, 2, 3, 8 to 13,18,19,20,21,22,23/1 Rec. No. 34//5, 9, 15,/2, 16/1 Rect. No. 29//16, 25 Rect. No. 35//1, 2, 9 to 12, 19, 20 Rect. No. 35//3/1, 4, 5, 6, 7/2, 8, 13 to 15, 18, 3/2, 11/2, 12 Rect. No. 26//10, 11, 26 Rect. No. 27//5 to 25, Rect. No. 35//16, 17, Rect. No. 28//6, 7/3, 14 to 17, 23/2, 24/25 Rect. No. 37/1, Rect. No. 27//27, Rect. No. 36//2 to 5, Rect. No. 19//20 in Distt. Rewari. Applicant made a proposal to use this land for setting up a in (83.037 Acre) Group Housing Project.

1. Above said land is not a part of notified/closed area under Indian Forest Act, 1927/ FCA 1980 / specific section 4 & 5 of Punjab Land Preservation Act 1900/ WLPA 1972/ or any other forest land.
2. As per the record with the Forest Department, Rewari, the mentioned land does not fall under Aravalli Project Plantation done by the Forest Department.
3. It is clarified that by the Notification No. S.O.121/PA.2/1900/S.4/97 dated 28th November, 1997, all revenue tehsil of Rewari Tehsil is notified u/s 4 of Punjab Land Preservation Act 1900 and S.O.113/PA.2/1900/S.3/97 dated 17th November, 1997 u/s 3 of PLPA 1900. The area is however, not recorded as forest in the Government record but felling of trees is strictly prohibited without the permission of DFO Rewari.
4. If approach is required from Protected Forests by user agency, the clearance/regularization under Forest Conservation Act 1980 will be required. Without prior clearance from Forest Department, the use of Forest land for approach road is strictly prohibited.
5. All other statutory clearances mandated under the Environmental Protection Act, 1986 shall be obtained as applicable by the project proponents from the concerned authorities.
6. The project proponent will not violate any Judicial Orders/ Pronouncement issued by the Hon'ble Supreme Court/High Courts.
7. It is clarified that the Hon'ble Supreme Court as issued various judgment dated 06-05-02, 29-10-02, 18-03-04 etc. pertaining to Arvalli reason in Haryana should be followed.
8. Since the project site is falls in the area close under General Section-4 of PLPA 1900 in which felling of trees etc. prohibited without prior permission of competent authority. The project proponent shall not fell any tree from the site without prior permission of competent authority.

Date: 22/11/13
Place: Rewari

Vinod
Divisional Forest Officer,
Rewari.



18.04.2011

To,
The Tehsildar,
Rewari

Dear Sir,

We would like to inform you that we are absolute owners of land bearing Rect. No.26 Kila No.10, 11, 26, Rect No 27 Kila No 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27 Rect No 28 Kila No.6, 7/3, 14, 15, 16, 17, 23/2, 24, 25 Rect No 35 Kila No 16, 17, Rect No36 Kila No 2, 3, 4, 5, 19, 20, Rect No 37 Kila No 1, in the name of Shree Inderjeet Singh S/o Birendra Singh falling in the revenue estate of village Rampura, Tehsil & Distt. Rewari.

Further it is certified that the above land does not have any Gair Mumkin Pahar, Gair Mumkin Rada, Gair Mumkin Behed, Banjad Beed, Rund in the records maintained by the State Government as on the date of Aravali Notification dated 07.05.1992 in relation to Gurgaon District of the State of Haryana. The aforesaid land partly/wholly also does not fall under reserved forests/protected forests and section 4 and 5 of the Punjab Land Preservation Act, 1990.

You are requested to issue a certificate for the above and oblige.

Thanking you,

Yours faithfully,

(Randhir Singh)
DGM (Land)
Unitech Limited On behalf of
Shree Inderjeet Singh S/o Birendra Singh

पटवारी हल्का निचम अनुसार
रिपोर्ट करें
तहसीलदार
रेवारी

श्रीमान जी, तमदील की जारी एका उपरीकृत किला नम्बरान की मवाले
मोजा - रामपुरा तह व किला - रेवाडी में मौजूद ए उकट किला
नम्बरान गैवमुं पहाड, गैवमुं वाडा, बीएड, वंजर, बीड रंड राजस
रिलाड अनुसार नही ए उपरीकृत अवाजी मवाली वारीया
से बाहर है

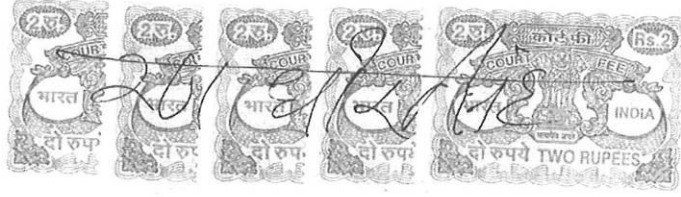
रिपोर्ट सेवा में पेश है

Attested as per Report of
Patwari Halqua.

Tehsildar
Rewari

28-04-11

28/4/11



18.04.2011

To,
The Tehsildar,
Rewari

Dear Sir,

We would like to inform you that we are absolute owners of land bearing Rect. No.21 Kila No.18/2, 19, 20, 21, 22, 23/1, Rect No 28 Kila No 1, 2, 3, 8, 9, 10, 11, 12, 13, 18, 19, 20, 21, 22, 23/1 Rect No 34 Kila No 5 min, 6 min, 15/2 min, 16/1 min, Rect No 29 Kila No.16 min, 25 min, Rect No35 Kila No 1, 2, 9, 10, 11, 12, 19, 20 in the name of Smt. Sudha Rani D/o Shree Birendra Singh falling in the revenue estate of village Rampura, Tehsil & Distt. Rewari.

Further it is certified that the above land does not have any Gair Mumkin Pahar, Gair Mumkin Rada, Gair Mumkin Behed, Banjad Beed, Rund in the records maintained by the State Government as on the date of Aravali Notification dated 07.05.1992 in relation to Gurgaon District of the State of Haryana. The aforesaid land partly/wholly also does not fall under reserved forests/protected forests and section 4 and 5 of the Punjab Land Preservation Act, 1990.

You are requested to issue a certificate for the above and oblige.

Thanking you,

Yours faithfully,

(Randhir Singh)
DGM (Land)
Unitech Limited On behalf of
Smt. Sudha Rani D/o Shree Birendra Singh

पटवारी हल्का नियम अनुसार

रिपोर्ट करें

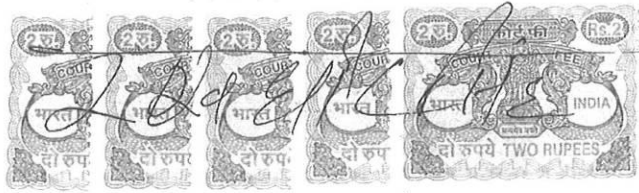
28/4/11
तहसीलदार
रेवाड़ी

श्रीमान जी, तलपौल की जागी है की उपरोक्त किला जम्बरान की मराजी मीर
रामपुरा तह व किला- रेवाड़ी में मौजूद है उपर किला जम्बरान
गैरमुं पडाड गैरमुं वाडा- कीड, बंजर, कीड रंड राजस्व रिमांड
मनुस्वर नहीं है उपरोक्त मराजी मरावली बारीया में काहर
है रिपोर्ट सेवा में पेशाई काबुलानुसरी

Attested as per Report of
Patwari Halqua.

Tehsildar
Rewari

28-04-11



18.04.2011

To,
The Tehsildar,
Rewari

Dear Sir,

We would like to inform you that we are absolute owners of land bearing Rect. No.36 Kila No.11/2, 12, Rect No 35 Kila No 3/1, 3/2, 4, 5, 6, 7/2, 8, 13, 14, 15, 18, in the name of M/s Tropic India Marketing India Pvt. Ltd. falling in the revenue estate of village Rampura, Tehsil & Distt. Rewari.

Further it is certified that the above land does not have any Gair Mumkin Pahar, Gair Mumkin Rada, Gair Mumkin Behed, Banjad Beed, Rund in the records maintained by the State Government as on the date of Aravali Notification dated 07.05.1992 in relation to Gurgaon District of the State of Haryana. The aforesaid land partly/wholly also does not fall under reserved forests/protected forests and section 4 and 5 of the Punjab Land Preservation Act, 1990.

You are requested to issue a certificate for the above and oblige.

Thanking you,

Yours faithfully,

(Randhir Singh)
DGM (Land)
Unitech Limited On behalf of
M/s Tropic India Marketing India Pvt. Ltd

पटवारी हल्का नियम अनुसार
रिपोर्ट करें
तहसीलदार
रेवाड़ी

श्रीमान जी,

तहसील की जमीन एं की उपरोक्त खेला नम्बरान की अराजी
मौजा - रामपुरा तह व जिला - रेवाड़ी में मौजूद है खेत में
नम्बरान गैरमुं पडाड, गैरमुं वाडा, बीएस, बंजर वीड वंड राजक
रिमाड मनुवाक नहीं है उपरोक्त अराजी अराकरी कारिया
से बाहर है रिपोर्ट सेवा में पेश है

Attested as per Report of
Patwari Halqua.

Tehsildar
Rewari
18-04-11

23/4/11

ANNEXURE-II
License &
Google Maps

GOOGLE IMAGE SHOWING 500 MTR. AREA SURROUNDING PROJECT SITE

Unitech Rewari Township

AT

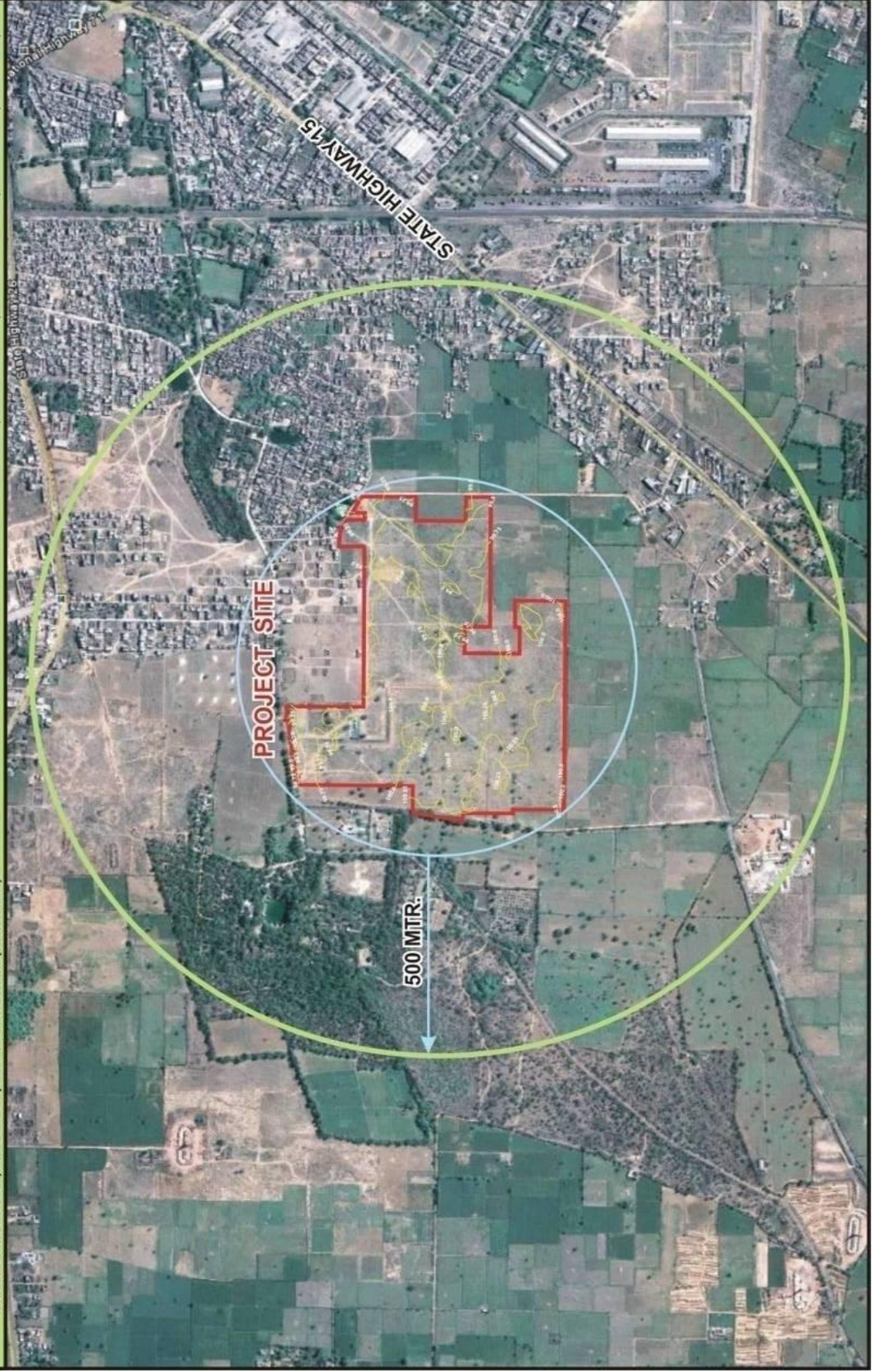
VILLAGE-RAMPURA, SECTOR-15, DISTRICT-REWARI (HARYANA)

Unitech

M/s. UNITECH LIMITED

REAL ESTATE DIVISION

L-BLOCK, SOUTH CITY-1, UNITECH HOUSE, GURGAON (HARYANA)

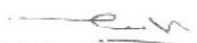


FORM LC-V
(See Rule-12)
Haryana Government
Town and Country Planning Department

Licence No. 84 of 2009

1. This licence has been granted under The Haryana Development and Regulation of Urban Areas Act, 1975 and Rules made there under to Smt. Sudha Rani D/o Sh. Birendra Singh, Sh. Inderjeet Singh S/o Rao Birendra Singh & M/s Tropic India Marketing Pvt. Ltd., C/o M/s Unitech Limited., Unitech House, South City-I, Gurgaon-122001, for setting up of residential Colony on the area measuring 83.037 acres falling in the revenue estate of village Rampura in Sector -15 District Rewari..
2. The particulars of land wherein the aforesaid residential colony is to be set up are given in the schedule annexed hereto and duly signed by the Director, Town and Country Planning, Haryana.
3. The licence is granted subject to the following conditions:-
 - a) That the residential colony is laid out to conform to the approved layout plan and the development works are executed according to the designs and specifications shown in the approved plan.
 - b) That the conditions of the agreements already executed are duly fulfilled and the provisions of Haryana Development and Regulation of Urban Areas Act, 1975 and Rules, 1976 made there-under are duly complied with.
 - c) That the demarcation plan of the colony area is submitted before starting the development works in the colony and for approval of the zoning plan.
4. That you shall construct service road forming part of your site at your own cost and same will be transfer free of cost to the Govt.
5. That you shall derive permanent approach from the service road along the development plan road.
6. That you will not give any advertisement for sale of floor area in Commercial area and flat in group housing area before the approval of layout plan/building plans of the same.
7. That the portion of sector/Master plan road which shall form part of the licenced area if any shall 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.
8. That you shall obtain approval/NOC from the competent authority to fulfill the requirements of notification No. S.O. 1533 (E) dated 14.09.2006 issued by the Ministry of Environment & Forests, Govt. of India before starting the development works in the colony.
9. That you shall seek approval from the competent authority under the Punjab Land Preservation Act, 1900 or any other statute applicable at site before starting the development works, if required.
10. That you shall provide the rain water harvesting system as per central ground water Authority Norms/ Haryana Govt. notification as applicable.
11. That you shall provide the Solar water heating system as per by HAREDA and shall be made operational where applicable before applying for an occupation certificate.
12. That you will use only CFL fittings for internal lighting as well as for campus lighting in the complex.
13. That the licensee shall make arrangement for water supply, sewerage, drainage etc to the satisfaction of DTCP till the services are made available from external infrastructure to be laid by HUDA.
14. That you will intimate your official "Email ID" to the department and correspondence done by department on this ID shall be treated as official intimation & legally valid.
15. That you shall convey "Ultimate Power Load Requirement" of the project to the concerned power utility, with a copy to the Director, with in two month period from the date of grant of licence to enable provision of site in your land for Transformers/Switching Station/ Electric Sub-Stations as per the norms prescribed by the power utility in the zoning plan of the project.
16. The licence is valid upto 9-12-2012 subject to submission of valid bank guarantees before 5.10.2011.

Dated: Chandigarh
The 10-12-2009


(T.C. Gupta, IAS)
Director,
Town and Country Planning,
Haryana, Chandigarh.
Email : tcphry@gmail.com

2025 RELEASE UNDER E.O. 14176

1. Detail of land owned by BRC Budha Rai/Dor Dor, Sirewoti Singh, Village Kumbon, Sector - 12, District Baran.

Village	Plot No.	Area No.	Area (Ac.)
Kumbon	21	100	7-12
		12	8-16
		20	5-10
		21	5-0
		22	5-0
		23	5-0
		24	5-0
		25	5-0
		26	5-0
		27	5-0
		28	5-0
		29	5-0
		30	5-0
		31	5-0
		32	5-0
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89	5-0		
90	5-0		
91	5-0		
92	5-0		
93	5-0		
94	5-0		
95	5-0		
96	5-0		
97	5-0		
98	5-0		
99	5-0		
100	5-0		
Total			30212

30212 Acres

2. Detail of land owned by BRC Thakur Bala Marketing Pvt. Ltd, Village Kumbon, Sector - 15, District Baran.

Village	Plot No.	Area No.	Area (Ac.)
Kumbon	25	31	7-10
		4	3-0
		5	3-0
		6	3-0
		7	3-0
		8	3-0
		9	3-0
		10	3-0
		11	3-0
		12	3-0
		13	3-0
		14	3-0
		15	3-0
		16	3-0
		17	3-0
18	3-0		
19	3-0		
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96	3-0		
97	3-0		
98	3-0		
99	3-0		
100	3-0		
Total			5345

5345 Acres

DATE: 15/04/2024
 Signature: [Handwritten]

TOTAL AREA UNDER LICENCE NO. 576 of 1988

1. Detail of land owned by BSES Buzha Ram Ditch Buzha Singh, Village Parnoon, District Bawal.

Village	Plot No.	Area Ac.	Area (K-8)
Parnoon	21	182	7.12
		43	6.18
		82	6.12
		84	8.0
		227	7.12
		32	8.0
		1	8.0
		2	8.0
		3	8.0
		4	8.0
		5	8.0
		6	8.0
		7	8.0
		8	8.0
		9	8.0
		10	8.0
		11	8.0
		12	8.0
		13	8.0
		14	8.0
		15	8.0
	16	8.0	
	17	8.0	
	18	8.0	
	19	8.0	
	20	8.0	
	21	8.0	
	22	8.0	
	227	8.18	
	3	8.1	
	4	1.11	
	5	3.1	
	150	1.4	
	151	5.3	
	16	4.18	
	17	8.0	
	18	8.0	
	19	8.0	
	20	8.0	
	21	8.0	
	22	8.0	
	227	8.0	
	Total	143.12	
		Or	
		30.710 Acres	

2. Detail of land owned by BSES Parnoon Buzha Marketing, Pvt. Ltd., Village Parnoon, District - Bawal.

Village	Plot No.	Area Ac.	Area (K-8)
Parnoon	31	7.10	7.10
	4	3.0	3.0
	6	8.0	8.0
	7	8.0	8.0
	10	8.10	8.10
	8	8.0	8.0
	13	8.0	8.0
	14	8.0	8.0
	15	8.0	8.0
	16	8.0	8.0
	22	8.0	8.0
	112	8.0	8.0
	12	8.0	8.0
Total	85.10		
	Or		
	11.600 Acres		

3d
3d

DATED 1988
7/2/88

ANNEXURE-III
ITEM WISE BREAK
UP OF EMP COST

ITEM WISE BREAK OF ENVIRONMENT MANAGEMENT PLAN COST

Capital expenditure

S.No	Description	Capital cost (Rs. In Lacs)
1	Waste water management (Sewage Treatment Plant)	120.0
2	Rain water harvesting	20.0
3	Solid waste management	25.0
4	Green Belt Development	5.5
5	Monitoring for Air, Water, Noise & Soil	5.0
	Total	175.0

Recurring Expenditure

S.No	Description	Cost (Rs. In Lacs/Year)
1	Waste water management (Sewage Treatment Plant)	15.0
2	Rain water harvesting	5.0
3	Solid waste management	7.50
4	Green Belt Development	2.50
5	Monitoring for Air, Water, Noise & Soil	1.50
	Total	31.50

ANNEXURE-IV

**STANDARD OPERATION PLAN
FOR ENVIRONMENTAL &
HEALTH ASPECTS AT PROJECT SITE**

GENERAL REQUIREMENTS ON ENVIRONMENTAL & HEALTH ASPECTS

GENERAL CONDITION

1. It should be the contractor's fundamental responsibility to conform to the relevant Environmental Laws or Codes as established by MoEF and other Governmental Statutory agencies to maintain the pristine Environmental Standards as applicable for the project construction works. The contractor should comply with all the enactments which should include but are not limited to:
 - a. Water (Prevention and Control of pollution) Act, 1974
 - b. Air (Prevention and Control of pollution) Act, 1981
 - c. Environment (Protection) Act, 1986
 - d. The Hazardous Wastes (Management & Handling) Rules, 1989
 - e. The Public Liability Insurance Act, 1991
 - f. The Municipal Solid Wastes (Management & Handling) Rules, 2000
 - g. Noise Pollution (Regulation & Control) Rules, 2000
2. The contractor should comply with all the required Site Environmental & Health Aspects at Project Site as mentioned in the following documents for his construction activity. The contractor should specify in **Annexure B** of the tender document, the minimum no. of manpower (cleaners/sweepers) suppose to be operated exclusively for cleaning & housekeeping. In case of non-compliance, the Employer may deduct an amount as stipulated in the said **Annexure B** as penalty for cleaning charges. It may herein be noted that requirement of manpower for cleaning & housekeeping may vary as per site conditions, as such, the Contractor will have to deploy the additional manpower as per requirement & as directed by Project Incharge.
3. The contractor should be responsible to construct labour camp/hutment, canteen, appropriate no of separate male and female toilet, crèche, etc. for construction labours as may be applicable for the project and should be responsible for arrangement of other proper basic amenities required by the construction labour during the construction phase. Maintenance of health and sanitation in the construction site will be contractor's responsibility.
4. To keep the area clean and uncluttered (**as per Annexure II**) the contractor should appoint cleaning supervisor with appropriate no. of support staff to clean the site on daily basis and should arrange for regular proper disposal of waste generated over the area.
5. Within two weeks of acceptance of the Contract, the contractor shall submit Environmental Compliance Checklist (**Annexure I**) and his specific consideration for Site Environmental & Health Management practices followed by employer for their review. If the Contractor fails to submit the said reports by stipulated time; he shall be given a three week time for submission. The assessment shall be made after that period and if the Contractor fails to submit the reports, an amount equal to the 0.25% of the Contract value shall be put on hold from his next running bill. The reassessment of the same shall be made after further three weeks & even after completion of six weeks in running, if the Contractor unable to furnish the said reports to the satisfaction of Project Incharge, a penalty equal to 0.25% of the contract value shall be deducted from his next Running Account Bill subject to maximum of Rs. 2,50,000/- which shall be irreversible.

6. The contractor should submit Assessment Report for Environmental & Health Aspects for Project Site (**Annexure II**) on monthly basis and contractor should submit Initial Environmental Compliance Checklist Report as (**Annexure-I**) on quarterly basis. The report should be prepared generally accompanying Company designated person at project site or as may be decided by the Company's own site office. Company authorized person in this behalf may inspect the project site at any time in order to assess the Company's own standard of Site Environmental and Health Aspects at project site.
7. The principle employer will carried out for Environmental Pollution Monitoring at project site by any authorized laboratory for cross checking the actual condition of project site with respect to various environmental aspects. If there is any critical consideration by the Employer' side, the contractor should follow the recommendations of the employer, if any, in this regard.
8. The contractor should adopt an appropriate emergency plan to deal with any accidental situations to safeguard the life and property and to prevent accidental spillage or pollution of the environment during the whole construction work.
9. If the contractor does not complies with the Monthly Assessment Report for Environmental & Health Aspects (**Annexure-II**) and Quarterly Initial Environmental Compliance Checklist (**Annexure-I**) for project site for whole construction phase; the Principal Employer may hold 0.25% of the bill from their monthly billing amounts. Successive failure to comply with the Monitoring Schedule will result in deduction of 0.25% of the Contract value as penalty subject to maximum of Rs. 2,50,000/-. This penalty shall be other than the one described in clause 5 above.

SPECIFIC REQUIREMENTS:

A. Health aspects of labors:

1. Proper First Aid facility/Room will be provided in the project during whole construction phase of the project.
2. All the laborers to be engaged for construction works should be screened for health and adequately treated before the issue of work permits and necessary fitness certificate of the labors should be kept at site.
3. Proper record of medical checkup and first aid cases of the labors should be maintained at site in separate register.
4. A Contract/ tie up with the nearby nursing home should be taken in case of any emergency in construction phase.

B. Good Housekeeping Practices: The contractor shall take all precautions to avoid any nuisance arising from his operations. For good house keeping purposes, work area laid out planning in relation to sitting of labour camp, canteen, toilet, storage yard, etc. should be decided in consultation with the Company designated person in the project site before schedule to start of the construction. The designated places for specific purposes must have appropriate labeling with necessary documentations, if any. The contractor should appoint Cleaning Supervisor with appropriate nos. of workforce and following considerations should be implemented strictly for good housekeeping purposes:

1. The contractor should provide adequate number of toilets (at least one for every 50 labours) with proper septic tank, vent pipe connector and soak pit for the construction labours separate for male

and female. In case of high rise building the toilet should be provided at suitable intermittent towers.

2. The contractor should ensure proper disposal of sewage so that sanitary conditions are maintained. Regular cleaning of toilet and soak pit should be ensured.
3. Areas with regular movement of vehicles should have a pacca road/hard surface so that the dust may be controlled during transportation of construction materials inside the construction site.
4. The Contractor should have appropriate water sprinkler systems and shall water down construction sites as required to suppress dust, during handling of excavated soil or debris or during demolition.
5. There should be different provision for construction material storage according to their physical and chemical property. The contractor should arrange tarpaulin cover on fine dust generating construction materials; chemicals and hazardous materials should have concrete slab on their floor.
6. The contractor should ensure separate management facilities for handling Construction related wastes and domestic wastes generated from labour camp/office.
7. Work areas are kept uncluttered and are cleaned upon completion of operations or at the end of each workday. Equipments/ items associated should be returned to their proper place after use.
8. The contractor should construct canteen of appropriate size for consuming food and snacks by the labours to prevent random disposal of all garbage or trash associated with food.
9. The temporary dumping areas shall be maintained by the contractor at all times until the excavate is reutilized as per the employer's requirements. Stockpiles should be covered with tarpaulin and should be sprinkled to stabilize until they are effectively managed.
10. The contractor should provide "Refuse Containers" with tight fitting lids at site for the management of domestic waste generated by the construction labours and these containers shall be emptied at least once daily by the contractor to maintain site sanitation.
11. Chemicals, if any, associated should never be stored on the open place, except in closed door cabinets suitable for the materials to be stored.
12. Hazardous Wastes are to be stored in properly labeled containers and at separate designated places for the same, and should be returned to that location after each use.
13. Hazardous waste materials should have separate storage facility and should be transferred only to authorized contractor or operators for this facility.

C. Air Environment: Every feasible measure should be considered to maintain or improve the pristine air quality over the work place. To achieve compliance with air contaminant standards, administrative, or engineering, or other controls must first be determined and implemented, wherever feasible, as follows:

1. Before taking up the construction work the area should be enclosed with sheeted enclosure.

2. All construction related equipments and/or technical measures must strive with relevant IS Code with appropriate air pollution abatement system.
3. The contractor should arrange “Consent to Establish” and “Consent to Operate” against Air Pollution Act from concerned State Pollution Control Boards as may be applicable for operation of certain facilities (e.g. batching plant, D.G. set, Concrete mixer, etc.). They should be responsible for periodic renew of its Consent to Operate as may be applicable for the facilities.
4. If conveyers are used, conveyer belt should be fitted with wind board. Hopper discharge areas shall be enclosed to minimize dust emission.
5. The vehicles, which will be used for transportation of construction materials to the site, should possess valid Pollution Under Control (PUC) Certificates. All the transport vehicles should have proper spark arrester/muffler to minimize the risk of fire during transportation.
6. Care should be ensured so that the dust generation during transport and handling be minimum. The vehicles which will carry loose materials should be covered and loaded with sufficient free boards to avoid spills through the tail board or side board. Dust generating materials should be loaded and unloaded only in closed systems or wind protected areas.
7. Contractor should obtain necessary permission for running the DG set from concerned State Electricity Board and the installation of DG set should be carried out by the Executive–Engineer of the Electricity Inspectorate.

D. Water Environment: The Contractor should manage the waste water arising out of the project activity as long as practicable. The contractor shall at all times ensure that all existing stream courses and drains within and adjacent to the site are kept safe and free from any pollutant arising due to construction activities. The contractor shall ensure that earth, chemicals, and concrete agitator washings, etc. are not deposited in the water course. Following considerations should be strictly maintained by the contractor:

1. The contractor shall arrange an adequate supply of potable water @ 5 lpcd for the domestic use of labourers in the camp. The contractor should provide storage tank of suitable capacity for the storage of water to be consumed by labour. The tank should be cleaned at least once in a week.
2. Proper drainage facility should be provided to handle the waste water arising out of the site. The drainage should be planned in a way that there is no accumulation of water within the project area or vicinity to the site. Regular cleanup of the drainage system should be practiced.
3. The waste water should be disposed off suitably and in a manner that will cause neither pollution nor nuisance. The contractor should adopt necessary precautions against storm water for erosion control measures as well as for minimizing runoff from any spoil piles.
4. The Contractor shall discharge wastewater arising out of site office, canteen or toilet facilities constructed by him into sewers. The Contractor should take approval from nodal agencies for that in their own credit. If sewer is not availed in nearby sources appropriate septic tank/soak pit to be constructed and adequate control measures to be ensured on that behalf to maintain the sanitary conditions over the work place.

5. The contractor should adopt every feasible option to prevent the run-off from construction debris or excavated materials polluting local water body or creating problem for local drainage system.
6. Storage of debris would be planned by avoiding natural waterways/drainage pattern of the project site.

E. Noise Environment: Excessive noise exposure can cause permanent hearing loss, which could be totally preventable if appropriate precautions are taken. The Contractor shall take all appropriate measures to ensure that work carried out by the contractors, whether on or off the sites, will not cause any unnecessary or excessive noise which may be beyond the legitimate standards specified by the nodal agencies and may be a cause of irritation to local neighbours. He should take all necessary control measures to bring down the sound level generated by various instruments by appropriate enclosures, if applicable.

1. Work area lay out plan and entire work scheduling should be planned prior to start of the job in a way that there should be maximum physical separation between noise generators and noise receptors and to avoid simultaneous activities that both generate high noise levels.
2. Silencers and mufflers on construction equipments should be properly fitted and maintained so that the ambient noise level standards prescribed in the Noise Pollution (Regulation & Control), 2000 are maintained.
3. The contractor shall ensure that all powered mechanical equipment used in the works has the most modern techniques available but not limited to silencers and mufflers.
4. The contractor shall construct acoustic enclosures around any plants of the works from where excessive noise may be generated.
5. Mechanical equipments, to be used in the work should have “Conformance Labeling” as applicable.

F. Solid Waste Management: With careful designing, planning, and good site management solid waste generated from the project can be minimized. Before starting the job, adequate measures should be ensured for temporary storage of construction wastes after consultation with Company designated person and following considerations should be taken care of:

1. Entire construction planning should be in a way that there is minimum generation of construction wastes like concrete, mortars and cement grouts.
2. Reuse of entire construction wastes should be planned as far as possible.
3. Construction solids should be removed from the site as frequent as possible.
4. Litter disposal and collection points should be established around all construction sites.
5. Adequate measures should be adopted to check any runoff from spoil piles.
6. The transportation of construction spoil shall be allowed only to officially designated dumpsites after obtaining necessary permission from relevant authorities.

G. Chemical and Hazardous Material Safety: The construction works may be associated with handling of many hazardous wastes. If so, will be handled as per the provisions of the Hazardous Wastes (Management & Handling) Rules, 1989 and should adhere to following conditions:

1. Chemical containers should be labeled with contents, capped, and in good condition. Contents label should include full name of material; formula. The original label should be defaced if it is not consistent with the current contents.
2. The contractor should be responsible for proper collection, reception, treatment, storage and disposal of hazardous wastes, if any. All the hazardous storage containers should have proper labeling and should be stored properly
3. The contractor should ensure definitive care in handling chemical and hazardous materials to minimize every possible risk of accidental release or spillage of chemicals to the environment.
4. All containers of hazardous materials that are stored in fifty-five-gallon containers or larger are required to be stored in secondary containers. If gas cylinders are to be used; should be transported through wheeled cart and should be stored properly in ventilated areas.
5. For disposal, they can be sold only to authorized contractors or Operators of Centralized Hazardous Wastes-Treatment, Storage and Disposal
6. There shall be constant vigilance for any sign of chemical leakage. Containers storing chemical waste must be inspected weekly for any sign of chemical leakage.
7. Compressed Gas Safety: The cylinders that contain compressed gases are primarily shipping containers and should not be subjected to rough handling or abuse. Such misuse can seriously weaken the cylinder and render it unfit for further use
 - Empty and full cylinders should be stored in separate areas.
 - Cylinders should never be rolled or dragged.
 - When moving large cylinders, they should be strapped to a properly designed wheeled cart to ensure stability.
 - Only one cylinder should be handled (moved) at a time.

ANNEXURE I

INITIAL ENVIRONMENTAL COMPLIANCE CHECKLIST REPORT

Facility information:

PROJECT NAME:

PROJECT LOCATION:

COMPANY/CONTRACTOR NAME:

CONTACT PERSON:

CONTACT NO:

Please answer each question and mark the appropriate answer where applicable

Health Aspects of labours

S l n o .	Legal Compliance Issues	<input type="checkbox"/> Yes <input type="checkbox"/> No	Permit No.	Valid till	Compliance date
1	Proper First Aid facility/Room will be provided at project site.				
2	All the laborers to be engaged for construction works should be screened for health before the issue of work permits				
3	All necessary fitness certificates of the labors should be kept at site.				
4	Proper record of medical checkup and first aid cases of the labours should be maintained at site in separate register				
5	A Contract/ tie up with the nearby nursing home should be taken in case of any emergency in construction phase.				
6	Any others:				

Note: In case of noncompliance to any above mentioned subject, the contractor should intimate the expected date of compliance. any other subject, excluding the above mentioned one is under the purview of “Environmental Clearance/any other statutory letter” per the provisions in Health aspects, the contractor should arrange the same.

Please answer each question and mark the appropriate answer where applicable

Air Environment

S	Legal Compliance Issues	<input type="checkbox"/> Ye	Permit	Remarks
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Sl. no.		Yes <input type="checkbox"/> No	No.	
1	Do you have PUC Certificate of vehicles transporting construction materials?			
2	Have you obtained the “Consent to Establish” Certificate for the DG set from State Pollution Control Board?			
3	Have you obtained the “Consent to Operate” Certificate for the DG set from State Pollution Control Board?			
4	When did you last conduct the Air Quality Assessment for DG set?			
5	Do you have adequate dust suppression measures?			
6	Are you complying with the provisions made under Indian Electricity Rules?			
7	Any others:			

Note: In case of noncompliance to any above mentioned subject, the contractor should intimate the expected date of compliance. If any other subject, excluding the above mentioned one is under the purview of “Environmental Clearance/any other statutory letter” as per the provisions in Air Act, the contractor should arrange the same.

Please answer each question and mark the appropriate answer where applicable

Water Environment

Sl. no.	Legal Compliance Issues	<input type="checkbox"/> Yes <input type="checkbox"/> No	Permit No.	Valid till	Expected date of compliance
1	Do you have proper arrangement for				

	supply of water to construction labours?				
2	Are you ready for surveillance of the potable water quality to be supplied to the labours?				
3	Have you provided appropriate drainage system?				
4	Have you constructed appropriate septic tank/soak pit?				

Note: In case of noncompliance to any above mentioned subject, the contractor should intimate the expected date of compliance. If any other subject, excluding the above mentioned one is under the purview of “Environmental Clearance/any other statutory letter” as per the provisions in Water Act, the contractor should arrange the same.

Please answer each question and mark the appropriate answer where applicable

Noise Environment

Sl. no.	Legal Complince Issues	<input type="checkbox"/> Yes <input type="checkbox"/> No	Permit No.	Valid till	Expected date of compliance
1	Have you obtained the “Consent to Establish” Certificate for DG set from State Pollution				

	Control Board?				
2	Have you obtained the “Consent to Operate” Certificate for the DG set from State Pollution Control Board?				
3	Does your DG set have proper Acoustic Enclosure?				
4	Have you obtained the “Conformance Labeling” for DG set from the supplier?				
4	Does your DG set comply with the Max. Ambient Noise level?				
5	When did you last conduct the Noise Quality Assessment for DG set?				
6	Any others:				

Note: In case of noncompliance to any above mentioned subject, the contractor should intimate the expected date of compliance. If any other subject, excluding the above mentioned one is under the purview of “Environmental Clearance/any other statutory letter” as per the provisions in Noise Act, the contractor should arrange the same.

Please answer each question and mark the appropriate answer where applicable

Waste Management

Sl. no.	Legal Compliance Issues	<input type="checkbox"/> Yes <input type="checkbox"/> No	Permit No.	Valid till	Expected date of compliance
1	Have you provided any hazardous storage system for your activities?				
2	Have you obtained the “Authorization” Certificate from State Pollution Control				

	Board against Hazardous Waste Management rules?				
3	What is the license number of contractor/occupier (for transfer of hazardous waste) for handling/processing hazardous waste?				
4	Do you have proper solid waste segregation and final disposal facility?				

Note: In case of noncompliance to any above mentioned subject, the contractor should intimate the expected date of compliance. If any other subject, excluding the above mentioned one is under the purview of “Environmental Clearance/any other statutory letter” as per the provisions in Hazardous Waste Management Act or Municipal Solid Waste, the contractor should arrange the same.

ANNEXURE II

MONTHLY ASSESSMENT REPORT FOR ENVIRONMENTAL & HEALTH ASPECTS AT PROJECT SITE

PROJECT NAME:

PROJECT LOCATION:

REPORT NO.:

INSPECTION DATE:

INSPECTED BY:

PARTICIPANTS:

Environmental Issues	Key Areas	Compliance status	Recommendations/ Remarks
HOUSEKEEPING	1. Provision of construction material storage yard	<ul style="list-style-type: none">• Satisfactory• Scope of improvement• Noncompliance	
	2. Provision of chemical storage yard	<ul style="list-style-type: none">• Satisfactory• Scope of improvement• Noncompliance	
	3. Proper stacking of construction material	<ul style="list-style-type: none">• Satisfactory• Scope of improvement• Noncompliance	
	4. Provision of tarpaulin cover on fine dust generating construction material.	<ul style="list-style-type: none">• Satisfactory• Scope of improvement• Noncompliance	
	5. Provision of concrete slab on ground for storage of hazardous waste.	<ul style="list-style-type: none">• Satisfactory• Scope of improvement• Noncompliance	
	6. Provision of wheeled cart for transporting gas cylinders.	<ul style="list-style-type: none">• Satisfactory• Scope of improvement• Noncompliance	
	7. Provision of hutment/canteen for construction worker	<ul style="list-style-type: none">• Satisfactory• Scope of improvement• Noncompliance	
	8. Provision of adequate no. of toilet for construction workers separate for gents and females.	<ul style="list-style-type: none">• Satisfactory• Scope of improvement• Noncompliance	
	9. Provision of proper vent pipe in toilet.	<ul style="list-style-type: none">• Satisfactory• Scope of improvement• Noncompliance	

	10. Arrangement for proper regular cleaning of toilet.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	11. Provision of adequate no. of refuse containers for domestic wastes.	<ul style="list-style-type: none"> • Satisfactory • Scope of Improvement • Noncompliance 	
	12. Provision of adequate no. of refuse containers for construction wastes.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	13. Separate proper storage facility for discarded hazardous material	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	14. Regular Clean up of the site	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	15. Work lay out plan	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	<i>Any other noted noncompliance-</i>		
WATER ENVIRONMENT	1. Proper storage facility for drinking water.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	2. Tank of suitable capacity for storage for construction purposes.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	3. Provision of drainage for disposal of domestic sewage	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	4. Provision of drainage for management of storm water	<ul style="list-style-type: none"> • Satisfactory • Scope of Improvement • Noncompliance 	
	5. Regular cleanup of drinking water storage tank	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	6. Regular cleanup of drainage system	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	<i>Any other noted noncompliance-</i>		

AIR ENVIRONMENT	1. Provision for proper loading/unloading facility for construction materials.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	2. Provision of tarpaulin cover on fine dust generating construction materials during transportation.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	3. Provision of “pacca road” at project site for transportation of vehicles.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	4. Stack of appropriate height for DG set.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	5. Regular sprinkling for dust suppression measures.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	6. Provision of wheel washing facility.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	<i>Any other noted noncompliance-</i>		
NOISE ENVIRONMENT	1. Provision of acoustic enclosures on DG set.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	2. Provision of silencers/mufflers on high noise generating instruments.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	<i>Any other noted noncompliance-</i>		
	1. Proper provision for storage of construction wastes.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	2. Provision of colour coding and labeling in waste bins.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement 	

SOLID WASTE MANAGEMENT		<ul style="list-style-type: none"> • Noncompliance 	
	3. Regular sprinkling on construction generated malba, etc.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	4. Construction generated malbas are effectively reused within project site	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	5. Proper provision for storage of domestic waste.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	6. Proper management of temporary soil bank	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	7. Regular transfer of domestic waste.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	<i>Any other noted noncompliance-</i>		
CHEMICALS AND HAZARDOUS MATERIAL SAFETY	1. Storage container adequate for chemical storage.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	2. Storage containers are properly labeled.	<ul style="list-style-type: none"> • Satisfactory • Scope of Improvement • Noncompliance 	
	3. They are stored in proper place	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	4. They are transported properly	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	5. They are handled properly	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	6. Provision of secondary containment for transfer of chemicals	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	7. Proper provisions for spill control measures.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	8. Regular proper clean up of containers	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	

	9. Storage facility for empty drums/containers	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
	10. They are sold only to authorized contractor or Operators.	<ul style="list-style-type: none"> • Satisfactory • Scope of Improvement • Noncompliance 	
	11. Regular transfer of discarded hazardous materials.	<ul style="list-style-type: none"> • Satisfactory • Scope of improvement • Noncompliance 	
<i>Any other noted noncompliance-</i>			

NB:

- 1) Cases of “Scope of Improvement” up to 10% shall not be penalized.
- 2) Cases of “Non-Compliance” shall be penalized at the rate of Rs.150 per item.
- 3) Cases of “Scope of Improvement” beyond 10% shall be penalized at the rate of Rs. 100 per item.

Site Environmental Inspection Analysis and Collation:

Section 1 - General

1.1 Introduction

Safety Manual sets forth safety guidelines to be followed at each construction sites of Real Estate Division, Unitech Ltd.. Air is to achieve zero accident target in our construction sites. It obviously cannot cover each and every situation and is not intended to do so.

1.2 Responsibility of Site Staff

Site staff includes all personnel who are responsible for supervision of works e.g. Project Coordinators, Project in charge, Site in charge, Site Engineers and Site Supervisors.

Responsibilities of site staff are enumerated below :-

- 1.2.1 He/They will assist contractors to work out a safety programme.
- 1.2.2 He/They will inspect the works on a regular basis, making on the spot checks and corrections of unsafe acts of Contractor's workmen.
- 1.2.3 He/They will ensure that contractor's workmen are issued with protective equipments and these are work where required. Site staff shall not allow works to commence unless protective equipments are used/work.
- 1.2.4 Project in charge will designate a Crisis Management Team out of the site staff available land members of the Team will be given training in handling a crisis/emergency (Please refer Para 1.6 below)

1.3 Personal Safety Equipment

Some of the important personal safety equipments are list below :-

- 1.3.1 Safety Helmet - must be worn where works are being carried out at different levels.
- 1.3.2 Safety Belt/Ropes/Safety rules to be used for workmen working at height or on exterior sites of the building.
- 1.3.3 Hand Gloves - to be used for material handling, gas cutter, welding machine etc.
- 1.3.4 Safety Goggles - to be used for arc/gas welding, machine grinding etc.
- 1.3.5 Gumboots/Shoes - to be used for asphaltting works, concreting works etc.

1.4 Safety of Work Place

- 1.4.1 Install adequate number of security lights all over the project site.
- 1.4.2 Provide fire Extinguishers at a suitable locations for fire fighting including sand buckets and water.
- 1.4.3 No electrical wiring shall run on metal poles, scaffolding or metal working platforms. There should be no naked electrical wiring. All wiring must be taken atleast 7 ft.above the ground level.
- 1.4.4 Electrical equipments must be properly earthed.
- 1.4.5 People working in heights must use full body harness and shock absorbing

to arrest/prevent fall.

- 1.4.6 Keep all staircases/passages free from materials and obstructions of any kind.
- 1.4.7 Site staff must ensure that hazardous chemicals and petroleum products are stored in a proper manner and such stores are kept locked when not in use.

1.5 **First Aid**

- 1.5.1 First aid is an immediate and temporary care given to the victim of an accident or sudden illness till the treatment from the doctor is made available. It is important as careless handling of the injured person may increase the severity of the injury and may even cause a death. A Person qualified and trained in first-aid shall be available at work site to render and direct first-aid to casualties.

A first-aid kit (including a stretcher, if feasible) shall be provided at site and shall be provided at site and shall contain the following items :-

- Dressing cotton
- General medicines
- Trinangular bandage
- Roller bandage
- Potassium permanganate
- Dettol.
- Iodine
- Packet of cotton wool
- Burnol
- Snake Bite Kit

1.6 **Crisis Management** :

- 1.6.1 Site office including that of contractor must display following important telephone nos.
 - (a) Fire Brigade
 - (b) Ambulance
 - (c) Police Station
 - (d) Nearest Hospital
 - (e) Project in charge (land line/mobile)
 - (f) Project Coordinator (- do -)
 - (g) Contractor
 - (h) Head (Real Estate)
- 1.6.2 One vehicle alongwith driver must be kept at the work site during sight work/ night work
- 1.6.3 In case of accident, immediate medical attention may save the precious human lives. Shift the affected person to the nearest hospital as soon as possible.
- 1.6.4 In case of fire, try to stop /attack the fire immediately using any means or equip

ment(s) available. Once fire is spread, it is very difficult to contain it later.

- 1.6.5 Certain site staff including contractor's workmen should be trained to operate and use the various types of fire extinguishers for different kinds of fire e.g. electrical, petroleum products etc. Fire extinguishers must be checked and kept refilled at regular interval.

1.7 Excavation :

- Deep excavations (above 2 mtrs.) must be barricades and danger sign posted
- 1.7.1
- 1.7.2 Sides should be properly sloped (generally kept at 1.5 ft. horizontal to 1 ft. vertical.
- Where deep excavation and such other work is in progress, the area should be fenced with sufficient number of notice boards and danger signs.
- 1.7.3
- Shoring should be provided wherever required as decided by the Site in charge.
- 1.7.4
- During rainy season, importance of shoring cannot be over emphasized.

1.8 Storage of Inflammable and Hazardous Chemicals :

- Inflammable material e.g Petrol, Diesel and Hazardous chemicals e.g. Chlorophos etc. must be stored in a safe place under lock and key.
- 1.8.1
- Spillage of chemicals on the floor should be avoided. Have a layer of sand to absorb any spillage.
- 1.8.2
- Materials which catch fire easily like timber, tyre should not be stacked nearly.
- 1.8.3
- Welding works (Gas/Electric) or any other works requiring open flames including smoking shall not be allowed in the near vicinity.
- 1.8.4

1.9 Welding Works (Electric/Gas) :

- Keeping welding leads and burning hose clear of passage ways. All welding apparatus should be equipped with flash back, arrestors. A separate & safe place for welding should be identified by the Site in charge.
- 1.9.1
- 1.9.2 No welding or burning is to be done on a closed vessel.
- 1.9.3 Welders should be equipped with eye goggles, hand gloves and protective screens to avoid exposure to arc.
- While lighting a torch for gas welding, open the fuel gas valve before opening the oxygen valve. Use an approved spark lighter. Do not use matches, cigarette, lighters etc.
- 1.9.4
- 1.9.5 Store gas cylinders and hoses where these are not exposed to sparks.
- 1.9.6 Anti-flash back arrestors shall be installed on all fuel gas cylinders.
- 1.9.7 Keep oil and grease away from oxygen regulator, hose and fittings.

- 1.9.8 Do not exceed 15 PSI on the torch side of the gauge when using acetylene.
- 1.9.9 Never do electric welding from a metal ladder.

SAFETY MEASURES AT CONSTRUCTION SITE

Section 2 - Civil Work

2.1 Scaffold & Ladders

The accidents from the scaffolds are generally caused by :

- a. Direct collapse of the scaffold
- b. Workmen falling from the scaffold
- c. Material falling from the top of the scaffold.

Great care is, therefore, necessary in the erection, use and dismantling of scaffold with respect to its various components with a view to bring confidence in workman and to avoid any mishaps due to negligence.

2.1.1 Safety measures with regard to scaffold as indicated below, shall be adhered to at site.

2.1.1.1 Every scaffold and every part thereof, including supports, shall be of good construction, suitable and sound materials and having adequate strength for the purpose for which it is used.

2.1.1.2 All scaffold shall be properly maintained.

2.1.1.3 Construction and dismantling of every scaffold shall be under the supervision of a competent person.

2.1.1.4 Boards and planks used for the platforms, gangways and runs shall be of uniform thickness, but jointed, closely laid, and securely fasten in place.

2.1.1.5 The use of cross braces or framework as the means of access to the working surface shall not be permitted.

2.1.1.6 All scaffold shall be securely fastened to the building or structure. If independent of the building, they shall be braced or guyed properly.

2.1.1.7 Men shall not be allowed to work from scaffolds during storms or high winds.

2.1.1.8 Whenever, workman have to work or constantly pass under a scaffold on which men are working, a screen or other protection shall be provided to catch any falling material.

- 2.1.1.9 All scaffolds shall be examined and approved by Site in charge/Project in charge.
- 2.1.1.10 During dismantling, necessary precautions shall be taken to prevent injury to persons.
- 2.1.1.11 Wet and slippery conditions shall be avoided. The workers shall be cautioned against use of slippery footwear.
- 2.1.1.12 Care shall be taken to see that no part of scaffold is struck by a truck or other heavy moving equipment and no material shall be dumped against it, to prevent any damage.
- 2.1.1.13 Shuttering material should be handed carefully with sufficient manpower to avoid slippage of the material.
- 2.1.1.14 Crack at pin holes in steel props may get sheared off.
- 2.1.1.15 Loose steel pins in steel spans may fold the steel span. Centre steel span pin to be tightened properly. All the points should be checked thoroughly by fore man / shuttering in-charge.

2.2 Form Work

- 2.2.1 Form work shall be designed after taking into consideration spans, setting temperature of concrete, dead load and working load to be supported and safety factor for the materials used for form work.
- 2.2.2 All timber form work shall be carefully inspected before use and members having cracks and excessive knots shall be discarded.
- 2.2.3 As timber centering usually takes an initial set when vertical load is applied, the design of this centering shall make allowance for this factor.

- 2.2.4 The vertical supports shall be adequately braced or otherwise secured in position so that these do not fall when the load gets released or the support are accidentally hit.
- 2.2.5 Tubular steel centering shall be used in accordance with the manufacturer's instructions. When tubular steel and timber centering is to be used in combination necessary precautions shall be taken to avoid any unequal settlement under load.
- 2.2.6 A thorough inspection of tubular steel centering is necessary before its erection and members showing evidence of excessive rusting, kinks, dents or damaged welds shall be discarded. Buckled or broken members shall be replaced. Care shall also be taken that locking devices are in good working order and that coupling pins are effectively aligned to frames.
- 2.2.7 After assembling the basic units, adjustment screws shall be set to their approximate final adjustment and the unit shall be level and plumb so that when additional frames are installed the tower shall be in level and plumb. The centering frames shall be tied together with sufficient braces to make a rigid and solid unit. It shall be ensured that struts and diagonal braces are in proper position and are secured so that frames develop full load carrying capacity. As erection progresses, all connecting devices shall be in place and shall be fastened for full stability of joints and units.
- 2.2.8 Centering layout shall be made by a qualified engineer and shall be strictly followed. The bearing capacity of the soil shall be kept in view for every centering job. The effect of weather conditions shall also be taken into consideration as dry clay may become very plastic after a rainfall and show marked decrease in its bearing capacity.
- 2.2.9 All centering shall be finally, inspected to ensure that :
- Footing under every post of the centering are sound.
 - All lower adjustment screws or wedges are snug against the legs of the panels.
 - All upper adjustment screws or heads of jacks are in full contact with the form work.
 - Panels are plumb in both directions.
 - All cross braces are in place and locking devices are in closed and secured position.
 - In case of Chhajja's and balconies, the props shall be adequate to transfer the load to the supporting point.
- 2.2.14 During pouring of the concrete, the centering shall be constantly inspected and strengthened, if required, wedges below the vertical supports tightened and adjustment screws properly adjusted as necessary. Adequate protection of centering shall be secured from moving vehicles or swinging loads.
- 2.2.15 Forms shall not be removed earlier than as laid down in the specifications and until it is certain that the concrete has developed sufficient strength to support itself and all loads that will be imposed on it. Only workmen actually engaged in removing the form work shall wear helmets, gloves and heavy soled shoes and approved safety belts if adequate footing is not provided above 2 m level. While cutting any tying wires in tension, care shall be taken to prevent backlash which might hit a workman.
- 2.2.16 The particular order in which the supports are to be dismantled should be followed according to the instructions of the site engineer.
- 2.2.17 Steel - Except in cases where particular properties are necessary, weldable structural conforming to the Indian Standards should be used in false work for both forms and supports : -

IS : 226-1969, IS :800-1962 & IS : 806 - 1968

Welding work for the mild steel false work should be carried out in accordance with IS:816 - 1970. The permissible stresses should be assumed as given in IS : 800 -1962 and IS : 806- 1968

- 2.2.18 An experienced team of supervisors and carpenters to watch the behaviour of false work during application of loads must be detailed during execution of work.
- 2.2.19 Crash striking of large areas of form works should never be allowed. It may damage the structure and can cause accident.

2.3 Concrete Work

- 2.3.1 Heavy column reinforcement cage may collapse. Proper measures should be taken.

- 2.3.2 During the placing of steel forms for columns/beams walls form side may slip from worker and may collapse on or below and injury may be caused.

Remedial Action : Careful handling of steel forms and also inform the workers working below.

- 2.3.3 Plumb bob should be carefully used.

- 2.3.4 Clamps/Pin of column/beam shuttering may slip from position and fall below, proper handling & lightning required.

- 2.3.5 When erecting forms, placing reinforcement and delivering concrete mix to where it is laid, particular care should be taken to provide reliable supporting scaffolding, planking, stairs, guard rails, barriers and slinging devices for lifting framed constructions, form and reinforcement units.

- 2.3.6 Appropriate measures should be taken to ensure the rigidity of forms & scaffoldings.

- 2.3.7 In concreting, attention should be focused on adequate precautions against accidental electrocution. Housing of vibrators should be earthed as well. It should be remembered that despite a relatively low voltage, operation of vibrators without due regard to safe practices may involve a risk of electrocution.

- 2.3.8 Strict conformance to safe practices is also essential in the operation of concrete mixing

machines, concrete pumps and other machinery.

SAFETY MEASURES AT CONSTRUCTION SITE

Section 3 - Electrical

3.0 Electrical

3.1 Electricians should be familiar with the grounding practices, code requirements, and electrical standards commonly encountered in their work.

3.2 Deviations from standard practice should be discussed with the Foreman.

3.3 Electricians should always work from non-conducting surfaces - never from metal ladders or platforms.

3.4 Safety hats, rulers and whenever possible, other tools should be non-conducting.

3.5 Electricians are not to work on live circuits at any time.

3.6 The switch controlling a building circuit or an equipment circuit must be opened and tagged out by individual undertaking alterations or repairs to those circuits. The circuit should then be tested with a suitable instrument to prove that it is dead before work is started.

3.7 Hold off tags on opened switches must never be removed by anyone other than the individuals who attached them.

3.8 A tagged open main breaker should not be closed again until everyone in the vicinity of all portions of the circuit has been determined to be in the clear.

3.9 Opened panel and similar live equipment around an electrical job can create a hazard to others working in the area or passing by. The electrician must protect these people by using appropriate barriers and/or warning signs.

SAFETY MEASURES AT CONSTRUCTION SITE
Section 4- Equipments

4.0 Equipment's

4.1 Concrete Mixers

- 4.1.1 All gears and roller of concrete mixers shall be adequately guarded to prevent danger.
- 4.1.2 Hoppers into which a person could fall and revolving plates and trough or batch type mixers shall be adequately guarded.
- 4.1.3 Concrete mixers skips shall be protected by side railing to prevent workers from passing under them and operators shall make sure that before lowering the skip, all workers are in the clear.
- 4.1.4 Only well trained operators, who understand all the operations of mixers, should be employed for handling the concrete mixers.
- 4.1.5 When workman are cleaning the inside of the drums, power of the mixers shall be locked in the off position and all fuses shall be removed and a suitable notice hung at the place.

4.2 Concrete Vibrators

- 4.2.1 Vibrating units shall be completely enclosed and belt transmitting the power to the unit adequately guarded.
- 4.2.2 Vibrating needless of poker type vibrators shall be completely sealed against concrete.
- 4.2.3 Electrically operated vibrator shall be totally enclosed units.
- 4.2.4 Air operated vibrators shall have arrangements to change the speed of rotating shaft and air motor to rotate the vibrating needle which shall be completely sealed against concrete.
- 4.2.5 Power operated vibrator shall be provided with effective means of stopping the vibration, if possible by disengaging the vibrator from the engine motor drive.
- 4.2.6 Where possible, the vibrator shall be fitted with shock absorbing handles with rubber or other suitable grips for ease in handling.
- 4.2.7 Electrically operated vibrators shall be protected against overload by suitable overload relays and shall be effectively earthed. Where the operator has to be in direct contact with the vibrator during its operation, low voltage drive with suitable transformer is recommended.
- 4.2.8 While starting the poker vibrators, the needle shall not be resting on a hard surface to avoid bouncing

4.2.9 Excessive bending of the flexible shafts of the poker vibrators while in operation shall be avoided.

4.2.10 Electrical connections to electrically operated vibrators shall be well maintained and short circuiting with the steel reinforcements should be avoided.

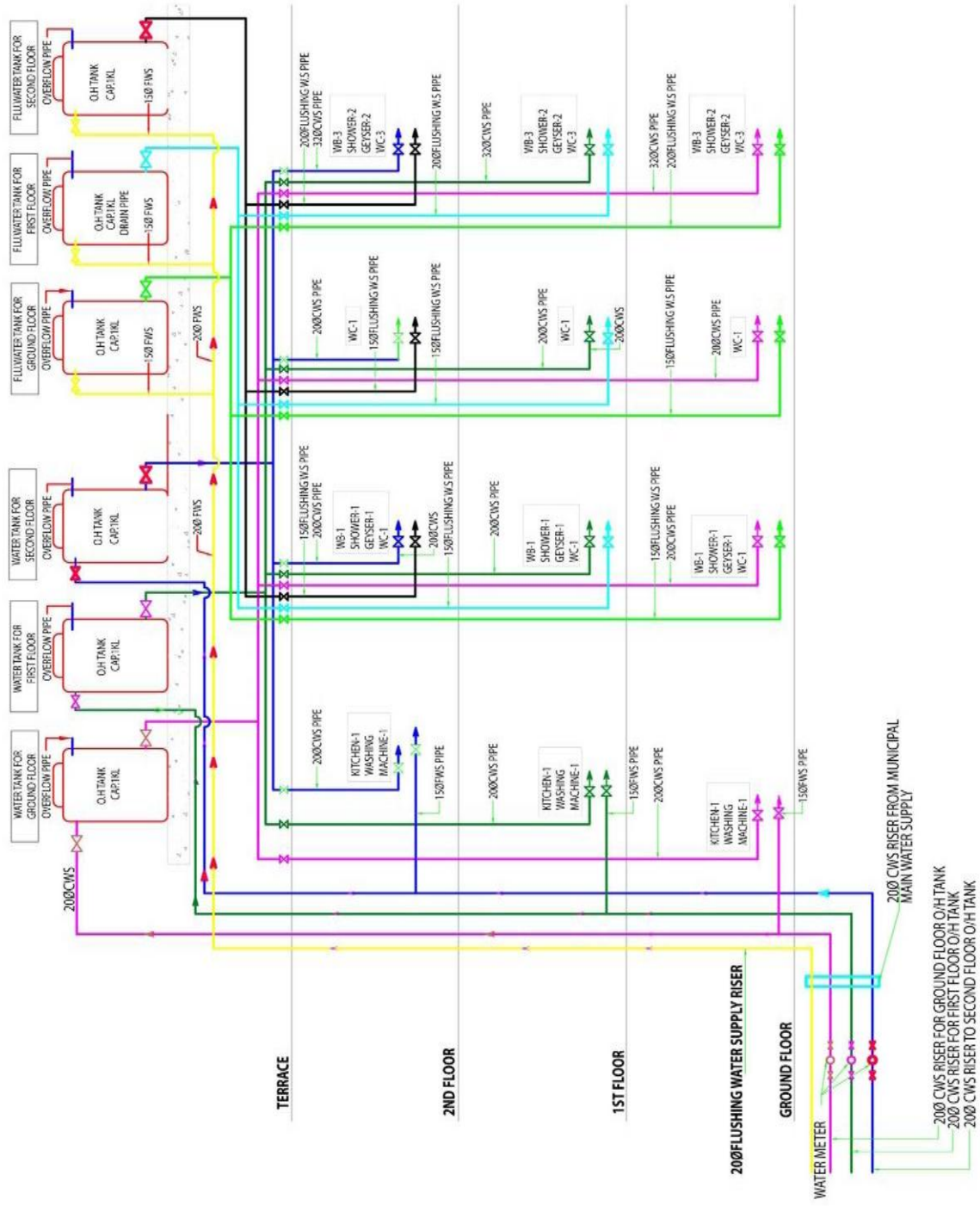
4.3 Construction Machinery

4.3.1 All other construction machinery viz. earth moving, lifting & hoisting, power shovels, cranes, motor trucks, trawlers, road rollers etc. shall be maintained and operated as per manufacturer's instructions and safety precautions shall be rigidly followed. IS:7293:1974 " Safety Code for Working with Construction, Machinery " shall be referred with regard to safety precautions for working with these machines.

Annexure-V

DUAL PLUMBING PLAN

WATER SUPPLY SCHEMATIC LAYOUT



<p>NORTH</p>	<p>DATE: / /</p> <p>SCALE: 1:100</p> <p>DRW. NO.:</p> <p>APP. NO.:</p>
	<p>UNITECH REWARI Township</p> <p>AT</p> <p>VILLAGE - RAMPURA, SECTOR-15,</p> <p>DISTRICT - REWARI (HARYANA)</p>
<p>PROJECT</p> <p>WATER SUPPLY SCHEMATIC LAYOUT</p>	
<p>ARCHITECTS:</p> <p>unitech</p>	
<p>PROJECT PROPONENT:</p> <p>UNITECH LTD.</p> <p>REAL ESTATE DIVISION</p> <p>L-BLOCK, SOUTH CITY-1</p> <p>UNITECH HOUSE, GURGAON (HARYANA)</p> <p>ARCHITECTS' SIGN.</p>	
<p>AUTHORISED SIGNATORY</p>	

Annexure-VI
STRUCTURAL
SAFETY CERTIFICATE

Unitech Limited

Unitech House, South City-I
Gurgaon-122001, Haryana, India

T: +91 124 4125 200
F: +91 124 2383 332
www.unitech.co.in

Regd. Office: 6, Community Centre, Saket,
New Delhi - 110017.

T: +91 11 41864000

Date : 22.08.2012

Unitech

TO WHOM SO EVER IT MAY CONCERN

This is to certify that all G+2 houses proposed to be built by Unitech Ltd. at Rewari, Sector-15 project of Unitech will be structurally designed conforming to design requirements of seismic zone -IV. Further it is certified that the structural analysis and design of the said houses will conform to the IS codes mentioned below:

- 1) IS: 875 (part 1) - 1987
- 2) IS: 875 (part 2) - 1987
- 3) IS: 875 (part 3) - 1987
- 4) IS: 1893 (part 1) - 2002
- 5) IS: 4326 - 1993
- 6) IS: 13920 - 1993
- 7) IS: 1904
- 8) IS: 6403
- 9) IS: 8009
- 10) IS: 456 - 2000
- 11) SP: 16 -1980
- 12) SP: 34 -1987



(Sanjay Tyagi)
GM- Structural

SANJAY TYAGI
B.E. (CIVIL), F.I.E.
MIAstructE M-058

Annexure-VII
RAIN WATER HARVESTING
DESIGN DETAILS

RAIN WATER HARVESTING CALCULATION

The Design calculations for storm water drainage and rain water harvesting pit are as follows:

DESIGN BASIS FOR STORM WATER DRAINAGE SYSTEM:

RUN OFF DISCHARGE

Q= 10 CIA

Where:

Q = Run off (discharge) in cubic meters per hour

C = Co-efficient / Impermeability factor of the surface

I = Intensity of Rainfall

=> Taking 45 mm/hr or 0.045 m/hr

A = Total Drainage in Hectare

Co-efficient of Run off / Impermeability Factor [C]

RETENTION TIME

⊕ Considering 15 min (0.25 Hr) Retention Period

$$\begin{aligned} \text{Volume Required} &= 7321 \times 0.25 \\ \text{Volume} &= 1830.25 \text{ cu. m.} \end{aligned}$$

⊕ Considering 1 No. Rain Water Harvesting Pit 4 m dia. and 5 m depth

VOLUME OF 1 RAIN WATER HARVESTING PIT

$$\begin{aligned} \text{Diameter of Pit (d)} &= 4 \text{ m} \\ \text{Depth of Pit (D)} &= 5 \text{ m} \\ \text{Volume} &= \pi \times r^2 \times h \\ &= 62.8 \text{ cu. m} \\ \text{Say} &= 63 \text{ cu. m} \end{aligned}$$

NO. OF RAINWATER HARVESTING PITS

$$\begin{aligned} &= 1830.25 / 63 \\ &= 29.05 \\ \text{Say} &= 29 \text{ nos.} \end{aligned}$$

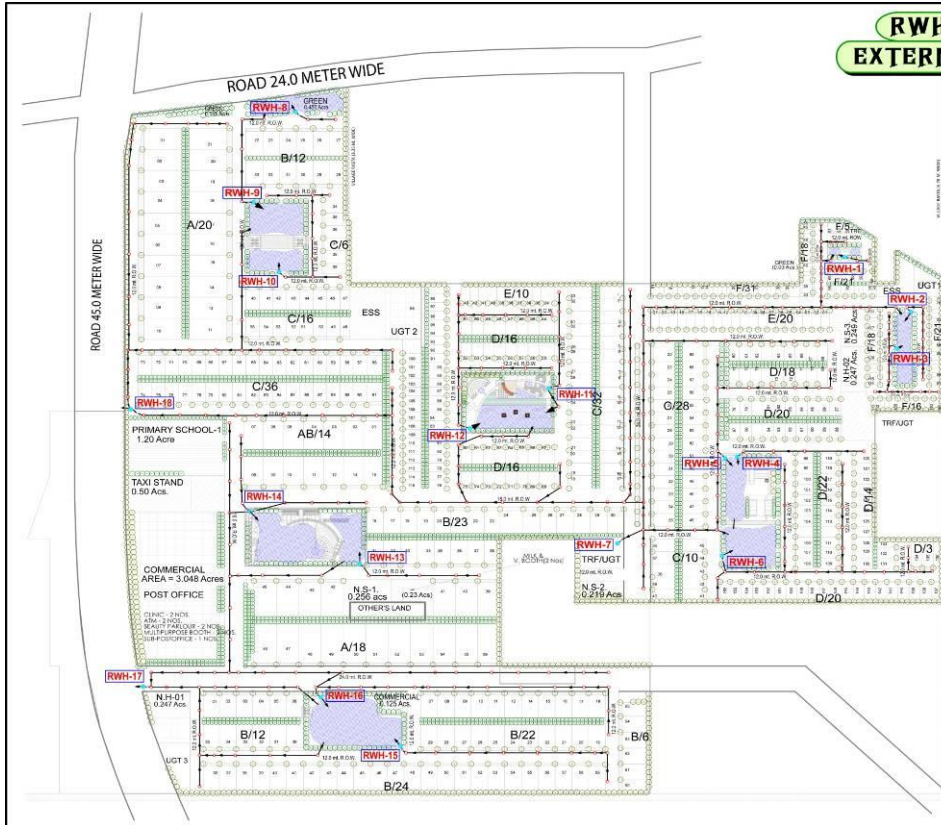
S. No.	Type of Surface	Catchment Area		Run off Coeff. [C]	Intensity of Rainfall (mm/hr)	Discharge (Run Off) [Q=10CIA] m3/hr	Total (m3/hr) [Q]
		sq. m.	Ha.				
1	Building (Terrace/ Hard Paved Area)						
(a)	Area	43981.3	4.39813	0.90	45	10X0.90X45X4.3 9813	1781.24
2	Paved Surface/ Road Surface						
(a)	Area	165950.16	16.595016	0.70	45	10X0.7X45X16.5 95016	5227.43
3	Natural Ground Area						
(a)	Area	27795.32	2.779532	0.25	45	10 x 0.25 x 45 x 2.779	312.69
	Grand Total (1+2+3)						7321.36 Say 7321

S. No.	Particulars	As per standard calculation s made above	No. of RWH pit required as per SEAC Haryana (1 pit per acre)	Proposed RWH pits
1	Infrastructural & commercial Facilities (approx. 5.97 Acres)	29 nos.	6 nos.	18 nos.
2	Plotted development (approx. 40.47 Acres)		41 nos.	408 nos. (as per DTCP norms for plotted development)
Total			47 nos.	426 nos.*

As per the Town & Country Planning Department Notification No. 10093 dated 11th April 2007 one pit is provided for each plot having roof area more than 100 sq. mt. hence no. of rain water harvesting pits provided are much more as required by SEAC Haryana. Apart from this as suggested by SEAC Haryana 5% of net planned area i.e. approx. 16,338.81 sq. mt. will be provided as water bodies in the green area for rain water harvesting purpose. All the rain water overflow, rain water from the roof top & rainwater harvesting pits will be collected in to these water bodies and harvested in a natural way

We shall be providing 18 rain water harvesting pits. In addition to provided Rainwater Harvesting Pits, the plots will have roof top rain water harvesting scheme. According to Notification No. 10093 issued by Town and Country Planning Department of Haryana Government dated 11th April 2007; it is mandatory for the plot owners to provide roof-top rainwater harvesting scheme in case of plot area exceeding 100 sq. m.

RWH PIT LOCATION AND EXTERNAL DRAINAGE SYSTEM



LEGEND

SYMBOL	DESCRIPTION
	M.H
	STORM WATER LINE
	RWH PIT

NORTH

PROJECT: **Unitech Rewari Township**
 AT VILLAGE - RAMPURA, SECTOR-15, DISTRICT - REWARI (HARYANA)
RWH PIT LOCATION AND EXTERNAL DRAINAGE SYSTEM

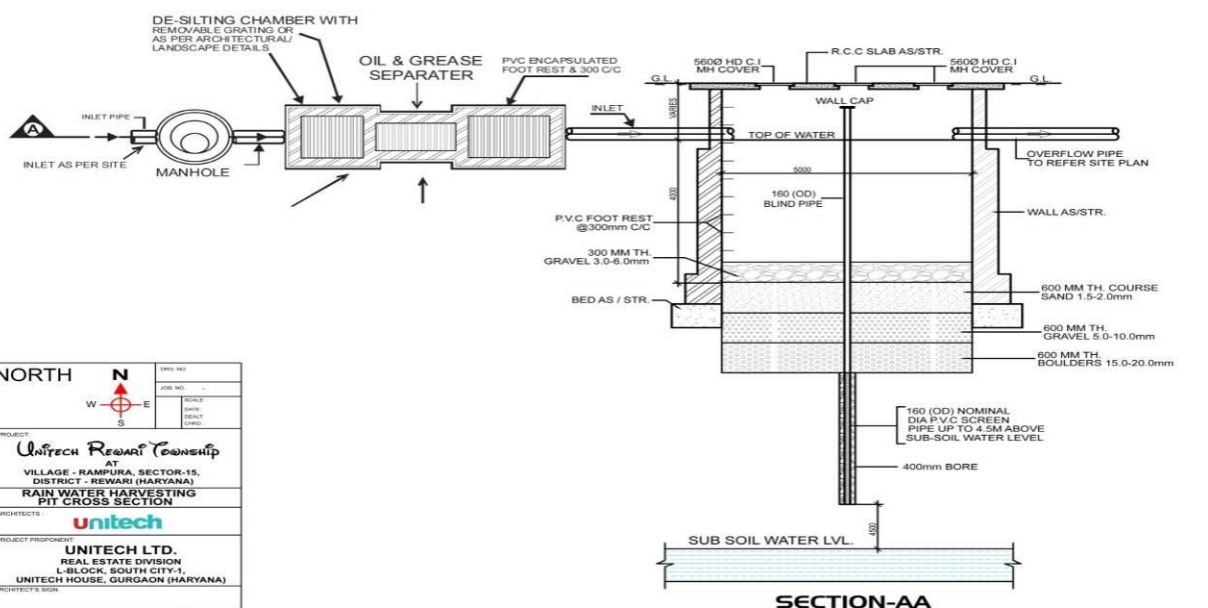
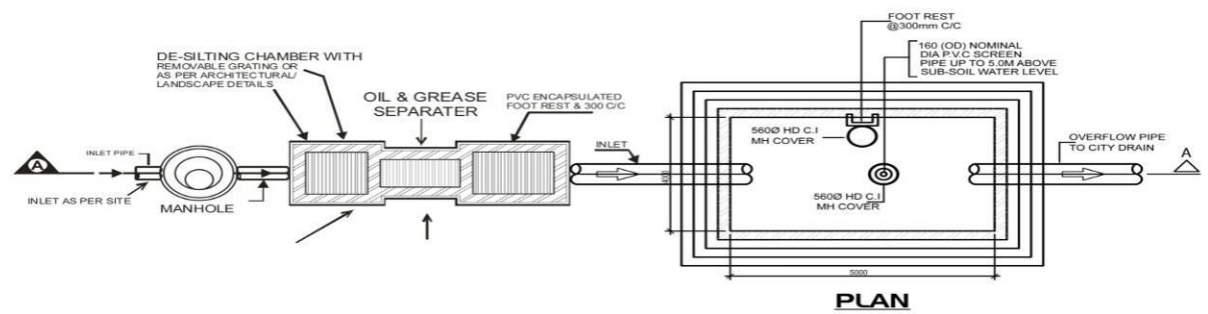
ARCHITECTS: **unitech**

PROJECT PROPONENT: **UNITECH LTD.**
 REAL ESTATE DIVISION
 L-BLOCK, SOUTH CITY-1, UNITECH HOUSE, GURGAON (HARYANA)

PROJECT'S SIGN: _____

AUTHORIZED SIGNATORY: _____

RAIN WATER HARVESTING PIT CROSS SECTION



NORTH

PROJECT: **Unitech Rewari Township**
 AT VILLAGE - RAMPURA, SECTOR-15, DISTRICT - REWARI (HARYANA)
RAIN WATER HARVESTING PIT CROSS SECTION

ARCHITECTS: **unitech**

PROJECT PROPONENT: **UNITECH LTD.**
 REAL ESTATE DIVISION
 L-BLOCK, SOUTH CITY-1, UNITECH HOUSE, GURGAON (HARYANA)

PROJECT'S SIGN: _____

AUTHORIZED SIGNATORY: _____

HARYANA GOVERNMENT
TOWN AND COUNTRY PLANNING DEPARTMENT
NOTIFICATION

The 11th April , 2007

No. 10093 .-- In exercise of the powers conferred by section 25 of the Punjab Scheduled Roads and Controlled Areas Restriction of Unregulated Development Act, 1963 and all other powers enabling him in this behalf and with reference to Haryana Government, Town and Country Planning Department, Notification No. PA(A)/2006/Misc-32/16024, dated 9/13th June, 2006, the Governor of Haryana hereby makes the following rules further to amend the Punjab Scheduled Roads and Controlled Areas Restriction of Unregulated Development Rules, 1965, namely :

1. These rules may be called the Punjab Scheduled Roads and Controlled Areas Restriction of Unregulated Development (Haryana Amendment) Rules, 2007.

2. In the Punjab Scheduled Roads and Controlled Areas Restriction of Unregulated Development Rules, 1965 (hereinafter called the said rules), in rule 38, ---

(i) in clause (iii), for the word and signs "architect" , the words and signs "architect/engineer" shall be substituted;

(ii) for clause (x), the following clause shall be substituted, namely :--

'(x) "building line" shall mean a fixed line, if any, specified for a site and shall include the setback line specified in the zoning plan, beyond which no building within that site other than the projections/ structures, specifically permitted, shall project;'

(iii) after clause (xxix), the following clause shall be inserted, namely :--

'(xxix-a) "proof consultant" shall be a person who is a Structural Engineer or a group/firm of structural engineers having post-graduate qualification in structural engineering with ten years experience in structural design and evaluation thereof, for multi-storeyed and specialised structure, and/or an institute of the following type, employed for evaluation/ checking of the structural design of the buildings referred to in the relevant Form BR-V(A2) or Form BR-V (A1) :--

(a) National Council for Building Material (NBC), Ballabhgarh

(b) Institute of Structural Engineers (India)

(c) Central Building Research Institute, Roorkee

(d) Various engineering institutes, like -

(i) Indian Institute of Technology;

(ii) sub-rule (2), shall be omitted.

17. In the said rules, after rule 122, the following rule shall be inserted, namely :-

“122-A. Rain water harvesting, sections 8(2) and 25(2)(f). — (1) Arrangement of roof top rain water harvesting will have to be made by the plot-owners on the plots in the buildings constructed in the colonies for which licence has been granted under Act No. 8 of 1975, or where permission for change of land use has been permitted and where the area of the roof is 100 square meters or more.

(2) The system of collection, conveyance and dispersion of rain water for harvesting shall be made in such a manner that only clear water is able to enter. No contaminated/ waste water from the building or surrounding areas should find its way into the system.

(3) The entry points of the rain water for harvesting shall be designed in such a manner that in normal days these remain covered. Arrangement of segregation of the rain water from the first shower (containing the wash water) should also be provided.

(4) The arrangement for quick filtration of rain water shall also be made in the rain water harvesting well/ tube-well, so that the rain water does not pollute or choke the strata.

(5) The complete system of rain water harvesting will be constructed within the area of the plot, defined in the zoning plan for the plot.

(6) The recharge well shall be located at a distance of not less than ten meters away from any structure handling sewage or industrial waste water (such as septic tank or effluent treatment plant). This minimum distance of ten meters will not be applicable to man-holes or sewer lines, although it will be ensured that they are leak proof.

(7) The detail proposal of the system comprising of collection, conveyance and dispersion of rain water from the roof top to rain water harvesting well/ tube-well will have to be shown on the building plan submitted for approval.

(8) Any engineer not below the rank of an Executive engineer so authorised by the Director, will have the powers to inspect the system whenever considered necessary and direct the owner of the building to affect any changes/ improvement as deemed necessary and the owner of the building shall ensure compliance.

ANNEXURE-VIII
TEMPORARY ELECTRICAL
CONNECTION DETAILS

उत्तरी / दक्षिण हरियाणा बिजली वितरण निगम लिमिटेड

फॉर्म आर ओ. 3 अ Form R. O. 3 (a)

उपभोक्ता का बिल CONSUMER' BILL

बिजली सप्लाई में रुकावट पैदा हो जाने पर शिकायत
आदि करने के लिए पर फोन कीजिए।
In Case of any complaint regarding Interruption of
supply please ring up Telephone No.

क्रमांक Serial No.

वाणिज्य सप्लाई के लिए For Industrial Supply

इस बिल के सम्बन्ध में पत्र व्यवहार करते समय कृपया लेखा संख्या लिखिये।

In all communication regarding this bill please state you Account No.

(जैसा कि नीचे दिया गया है) (As given below)

पुस्तक क्र. Book No.

(इस बिल की अदायगी से सम्बन्धित हिदायतें कृपया पृष्ठ के दूसरी ओर देखिये।)

The Instruction with regard to the payment of the bill please see overleaf.

(महत्वपूर्ण नोटिस)

आपसे यह प्रार्थना है कि आप इस बिल की अदायगी बिल में दी हुई देय तिथि तक कर दें, ऐसा न होने पर इसे भारतीय बिजली अधिनियम 1910 की धारा 24 के अधीन नोटिस समझना चाहिए और आपका कनेक्शन निगम के दावा करके इस बिल में दिए हुए प्रभार वसूल करने के अधिकार पर प्रभाव डाले बिना और कोई नोटिस दिये बगैर इसमें वर्णित देय तिथि के 7 दिनों के पश्चात काट दिया जाएगा और तब तक दोबारा नहीं लगाया जायेगा जब तक कि इस बिल में दी हुई रकमें और निगम के प्रभारों अनुसूचि के अनुसार बिजली के काटने और लगाने पर निगम द्वारा किया गया खर्च निगम को नहीं दिया जाता इसके बाद के बिलों में लिखे प्रभारों में से किसी प्रभार या उसके किसी भाग में शामिल होते हुए भी यह नोटिस वैध रहेगा।

(IMPORTANT NOTICE)

YOU ARE REQUESTED TO MAKE THE PAYMENT OF THE BILL BY THE DUE DATE SHOWN IN THE BILL FAILING WHICH THIS SHOULD BE DEEMED TO BE A NOTICE UNDER SECTION 24 OF THE INDIAN ELECTRICITY ACT 1910 AND THE SUPPLY TO YOUR PREMISES SHALL WITHOUT PREJUDICE TO THE RIGHT OF THE NIGAM TO RECOVER SUCH CHARGES AS SHOWN IN THIS BILL BY SUIT BE DISCONNECTED AFTER 7 DAYS OF THE DUE DATE MENTIONED HEREIN WITHOUT ANY FURTHER NOTICE AND SHALL BE RECONNECTED UNLESS AND UNTILL THE AMOUNT SHOWN IN THIS BILL TOGETHER WITH ANY EXPENSES INCURRED BY THE NIGAM IN CUTTING OF AND RECONNECTING THE SUPPLY IN ACCORDANCE WITH NIGAM'S SCHEDULE OF THE CHARGES IS PAID TO THE NIGAM. THE NOTICE WILL REMAIN VALID NOT WITHSTANDING THE INCLUSION OF ANY PART OF THE BILL MENTIONED CHARGES IN THE SUBSEQUENT BILLS.

जारी करने वाला कार्यालय *Arm 814 810105 Rng* बिल जारी करने की तिथि Date of issue Bill..... *4/13*

Office of issue

मीटर नं० Meter No.....

लेखा नं० Account No. *TCS = 270*

पठन तिथि Date of Reading

मीटर पठन Meter Reading

उपभोक्ता का नाम और पता *m/s unitech CR10* नयी / New *1934*

Name & Address of Consumers..... पुरानी / Old *2*

Area Sect-15 - Ranpuk खर्च हुये बिल में दिये यूनिट/Units consumed and billed..... *1932*

व्यौरा PARTICULARS	खण्ड (क) COL 'A' सप्लाई और अन्य प्रभार Supply & Other Charges		खण्ड (ख) COL 'B' बिजली शुल्क Electricity Charges		खाना (ग) Col 'C' Municipal Tax		खाना (घ) Col 'D'	
	₹ Rs.	₹ P.	₹ Rs.	₹ P.	₹ Rs.	₹ P.	Total	
1. पिछले मास का बकाया, यदि कोई है। Balance from previous month if any								खाना क, ख और ग में दी हुई कुल रकम का जोड़ Total of the amount shown in Col. 'A' 'B' & 'C'
2. जैसा की ऊपर दिया गया है, कटौती करने के पश्चात उपयुक्त हुई बिजली पर खर्च Charges against consumption as shown above after allowing rebate.	<i>18489</i>		<i>193</i>					
3. सर्विस चार्जिस (क) सर्विस लाईन के लिए (ख) मीटर के लिये								
3. Service Chages (a) For Service Line..... (b) For meters.....								
4. फुटकर खर्च (क) नाम (ख) भत्ता								
4. Sundry Charges (a) Debit..... (b) Allowance.....								
5. नियत तिथि का देय कुल रकम Total amount payable due date.					₹ Rs.	₹ P.	₹ Rs.	₹ P.
6. नियत तिथि तक अदायगी न किये जाने की अवस्था में घटाई गई कुल रकम Add rebate in case of non-payment by the due date	<i>18489</i>		<i>193</i>				<i>18682</i>	
7. नियम तिथि के पश्चात् देय रकम Amount payable after the due date							<i>286</i>	
							<i>18962</i>	

NOTE : Payment of Rs. 2000/- and above will be accepted through Local Cheque/Bank Draft/Pay Order.

2000 या अधिक की राशि स्थानीय चैक/ड्राफ्ट/पे-ऑर्डर द्वारा स्वीकार की जायेगी।

(क) अदायगी के लिए नियत तिथि Due date for Payment (क) नकद (a) by Cash..... (ख) चैक द्वारा (b) by Cheque उपमण्डल अधिकारी/राजस्व अधिकारी S.D.O./Revenue Accountant

30/4/13

Bill Recd from office

8/5/13

11 AM

ANNEXURE-IX
ELECTRICAL LOAD
& DG SETS DETAILS

ELECTRICAL LOAD CALCULATION & DG SETS DETAILS

Total Power Requirement	:	5081 KW.
Source of Power	:	Dakshin Haryana Bizli Vitran Nigam.
Type of Fuel use	:	Low Sulphur Diesel.
MEASURE TO CONTROL NOISE LEVEL	:	DG set shall be bought acoustically enclosed supplier and will be kept at surface.

DG SETS DETAILS FOR POWER BACKUP

8 DG sets of 3580 KVA capacity : (6X500 KVA + 1X380 KVA + 1X200 KVA) will be used for power back up).

ANNEXURE-X

WATER TANKER SUPPLY AGREEMENT

Pan No.

!! जय बाबा राम देव !!

Mob No. 9416445471

टीटू वाटर सप्लायर

गोपाल देव चौक नजदीक भैरू मन्दिर नारनौल रोड रेवाड़ी

क्रमांक.....

दिनांक 23.06.11.....

To,

M/s. Unitech Limited
L-Block, South City- 1,
Gurgaon—122002

Subject: Supply of water for “Rewari Township” Sec-15, Rewari (Haryana)

Dear Sir,

Please refer to our discussion regarding supply of water for your “Rewari Township” Sector-15- Rewari, Haryana in an area of 83.03 Acres.

We hereby agree to supply up to 730 KLD of water as per your requirement for your above mentioned project as per mutually agreed terms. The supply of water will be from the safe Zone outside the Rewari.

टीटू **Thanking you**

Hari Singh
(Titu water supplier)



Madhu Bhargava
23/6/11
Madhu Bhargava Advocate
Notary Public, Rewari (Hr.)

ANNEXURE-XI

**HEAT GAIN
FACTOR R & U VALUE**

PROJECT NAME:		Independent floors - at Sector -15, Rewari.				
Analysis of the Thermal properties of the Wall, Glass and ROOF						
Wall						
Thickness	Specific heat(Cp)	Density	k value	R value	U value in W/(m.K)	U value in Btu/hr.ft2° F
230 mm thick brick wall	0.84 J/g.k	1920 KG/ m ³	0.6 W/(m.K)	0.38	2.61	0.46
U VALUE of the wall ASSEMBLY		0.45 Btu/hr.ft2° F				
GLASS						
Glazing Type						
Clear Glass						
Single Glazed Unit	U value (W/m2K)	SHGC	VLT%			
	6.5 (W/m2K)	0.82	75			
PF(PROJECTION FACTOR)						
0.38						
M factor						
North						
0.88						
South						
0.79						
E/W						
0.79						
Effective SHGC Values due to effect of Overhangs of Balconies						
Glass						
SHGC WITH SHADING						
Single clear Glass	North	South	E/W			
	0.72	0.65	0.65			
ROOF Construction						
Thickness						
Specific Heat						
Density						
k value						
R value						
U value in W/(m.K)						
U value in Btu/hr.ft2° F						
150 mm thick roof slab	0.88 J/g.k	2500 KG/ m ³	0.4	0.375	2.67	0.4696
U value of the Roof assembly		0.45 Btu/hr.ft2° F				

ANNEXURE-XII

SOLID WASTE DISPOSAL LOCATION

SOLID WASTE SEGREGATION LOCATION PLAN



- LEGEND**
- AREA UNDER AGRICULTURE LAND
 - AREA UNDER COMMERCIAL
 - AREA UNDER ROAD
 - INSTITUTIONAL
 - GREEN
 - OTHERS FACILITIES
 - SCHEME BOUNDARY
 - OTHER'S LAND
 - UGT/TRF/DG
 - LOTS UNDER BUILTUP
 - SOLID WASTE SEGREGATION LOCATION

NORTH

PROJECT: **UNITECH REWARI Township**
 AT
 VILLAGE - RAMPURA, SECTOR-15,
 DISTRICT - REWARI (HARYANA)

SOLID WASTE SEGREGATION LOCATION PLAN

ARCHITECTS: **unitech**

PROJECT PROPONENT:
UNITECH LTD.
 REAL ESTATE DIVISION
 4-BLOCK, SOUTH CITY-1,
 UNITECH HOUSE, GURGAON (HARYANA)

ARCHITECTS'S OFFICE:
 UNITECH BOUNTARY

DATE: / /
 SCALE: 1:1000
 SHEET NO. / OF /

ANNEXURE-XIII

WATER BALANCE DETAILS

WATER CALCULATION

S. NO	PARTICULARS	NO OF UNITS/ PLOTS	TYPE OF USE	BASE OF POPU.	EXPECTED POPU.	WATER CONSUMP. BASE	Flushing (KLD)	Domestic (KLD)	Total (KLD)	
1	Plots	209	Residential	13.5 / plot	2822	@ 135 Ltr/Person	126.99	253.98	380.97	
2	Plots under Built Up	269	Residential	15/plot	4035	@ 135 Ltr/ Person	181.58	363.15	544.73	
3	Plots under EWS Unit	130	Residential	9 / plot	1170	@ 135 Ltr/ Person	52.65	105.30	157.95	
4	Visitors	--	Residential	10% of Domestic Population	803	@ 45 Ltr/ Person	24.09	12.04	36.13	
5	Commercial	-	Commercial Purpose	1 Person/3 sq.m.	300	@ 45 Lit/Person	9.00	4.50	13.50	
6	Other Infrastructure Services	-	Residential Purpose	L.S	350	@45 Lit/ Person	10.50	5.25	15.75	
7	Schools	-	Educational Purpose	L.S	600	@ 45 Lit/ Person	18.00	9.00	27.00	
8.	Green Area Development	-	-	-	-	----	---		424.00	
Total								422.81 Say 423	753.22 Say 754	1600.0 3 Say 1601

WATER REQUIREMENT :

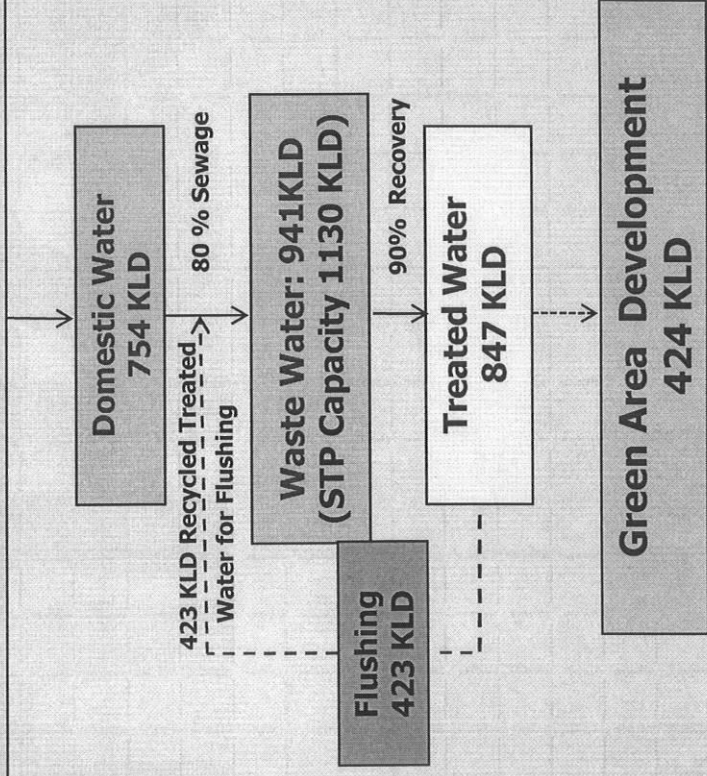
Total Water Requirement (754 KLD fresh water + 847 KLD Treated recycled water)		1601
Fresh water (Domestic) requirement		754
Waste water generation		941
Treated water recovered from STP		847
Treated water reuse in flushing of toilets		423
Treated water reuse in green area development		424

WATER BALANCE

Total Water Requirement = 1601 KLD
 (754 KLD Fresh + 847 KLD Recycled)

Fresh Water: 754 KLD	Domestic 754 KLD
Recycled Water: 847 KLD	Flushing 423 KLD Green Area 424 KLD

Fresh Water Requirement: 754 KLD Domestic Water



ANNEXURE-XIV

SOLAR WATER HEATING DETAILS

SOLAR ENERGY SAVING CALCULATION DETAILS

Project: Residential Township Plotted Development, Sector-15, Rewari

Energy Saving Measures:

1. Using Solar Lighting in Street Lighting.

Part of street lighting shall be on solar light fitting. It is proposed to use 20 nos. of solar light fixtures, resulting in energy conservation as per following calculation:

Wattage of Lamp:	90 w (including the ballast wattage)
Saving in kW:	$(20 \times 90) / 1000$ = 1.8 kW
Energy Saving per day	1.8×10 = 18 kWh
Units of energy saved per year	18×365 days = 6570 kWh

2. Timer controlled Street Lighting.

It is proposed to use timer operated street lighting, thus saving energy as per following calculations:

Street Lighting load:	45 kW
Excess time saved, say	1 hour
Energy saving per day	$= 1 \times 45$ kWh = 45 kWh
Energy Saving per year	$= 365 \times 45$ = 16425 kWh

3. Solar water Heater

Solar water heater load:	1.5 kW
Excess time saved, say	2 hour
Energy saving per day / plot	$= 2 \times 1.5$ kWh = 3 kWh
Total No of Plots 279	
Energy Saving per day X 279 plot	$= 279 \times 3$ kWh = 837 kWh
Energy Saving per 6 Month (180 days)	$= 180 \times 837$ kWh = 150660 kWh

ANNEXURE-XV
PARKING CLACULATION
DETAILS

Required Parking Calculations

S. No.	Description	Calculation	Requirement
1.	Parking requirement for residential (Plots & built-up floors) within the plots	-	Within the plots
2.	Parking requirement for commercial	FAR/50 $19261.05/50 = 385 \text{ ECS}$	385 ECS
3.	Parking requirement for other facilities within the plots	Primary school = 10 ECS Nursery school = 10 ECS Nursing home = 10 ECS	30 ECS
	Total		415 ECS

Parking Provision

Description	Calculation	Number of ECS
Residential	-	Within the plots
Commercial Basement (I) Parking	6420.32 sq. m. / 35	184 ECS
Commercial Basement (II) Parking	6420.32 sq. m. / 35	184 ECS
Commercial Surface Parking	1750 sq. m. / 25	70 ECS
Parking for other facilities within the plots	Primary school = 20 ECS Nursery school = 15 ECS Nursing home = 25 ECS (within plots)	60 ECS within the plots
Total Proposed Parking	498 ECS; including additional 20% parking	

ANNEXURE-XVI
WATER SUPPLY ASSURANCE
LETTER FROM HUDA

OFFICE OF THE SUPERINTENDING ENGINEER, HUDA, CIRCLE-II, GURGAON

To

M/s. Unitech Limited
Unitech House, south City-I,
Gurgaon -122001

Memo No. 3137

Dated: 7/7/2011.


Sub: Enquiry regarding supply of Water from HUDA, in Sector-15, Rewari.

Ref:- Kindly refer your memo No. UL/201/2011/141 dated 01.04.2011.

Sector-15, Rewari is under initial planning and water supply line has not been laid in this sector. As such the water will be provided to this sector for domestic purpose after completion of water supply line by HUDA, which is likely to take 3 to 4 years of time.

It is for your kind information and further necessary action please.

For


Sub Divisional Engineer,
Superintending Engineer,
HUDA, Circle-II, Gurgaon

ANNEXURE-XVII
SEWER LINE CONNECTION
LETTER FROM HUDA

OFFICE OF THE SUPERINTENDING ENGINEER, HUDA, CIRCLE -II, GURGAON

To,

M/s United Limited,
Unitech House, South City-I,
Gurgaon-122001

Memo. No. 13308


Dated: 22/11/13

Sub: - Enquiry regarding disposal of excess treated water in the main sewer line laid/ to be laid by HUDA, for our plotted development colony at sector-15, Rewari.

Ref: - Kindly refer your office Memo No. UL/201/2013/484 dated 06.11.2013 on the above matter.

The sewer line in Sec-15, Rewari has not laid. The master sewer line will be laid along master road under EDC by HUDA as per policy/ rule and the colonizer can take connection after completing necessary formalities. In the mean time colonizer has to maintain the service as per condition of approved service plan estimate.

It is for your kind information and further necessary action please.


22/11/13
Sub Divisional Engineer,
for Superintending Engineer,
HUDA, Circle-II Gurgaon.

ANNEXURE-XVIII

EIA/EMP FORM-1, 1A

NOTE: Due to large size of the file we are submitting only hard copy of the same.

ANNEXURE-XIX
NOTICE PUBLICATION
IN NEWS PAPER DETAILS

ANNEXURE-XX

**ADVERTISHMENT
SUBMITTED TO SEIAA**



Unitech Limited

Unitech House, South City-I
Gurgaon 122 007, Haryana, India

T +91 124 4125 200
F +91 124 2383 332
www.unitechgroup.com

Regd. Office: 6, Community Centre, Saket,
New Delhi - 110017.

T +91 11 41664040

unitech

Ref : UL/Advertisement/SEIAA-H/Rewari/2801/2014
Date : 28.01.2014

To,
The Director(S),
Monitoring Cell, Ministry of Environment and Forest,
Paryavaran Bhawan, CGO Complex, Lodhi Road,
New Delhi - 110003

Ref: EC No.SEIAA/HR/2013/1571 dated 24.12.2013

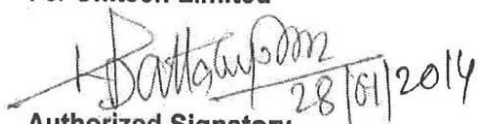
Sub: Submission of Advertisement Copy Published in two local News Paper regarding the Grant of Environmental Clearance for our Proposed Unitech Rewari Township project at Sector -15, Village Rampura, Distt Rewari, Haryana by Unitech Limited.

Dear Sir,

In reference to the above mentioned subject, we are pleased to intimate you that, we have obtained Environment Clearance letter for our **Proposed Unitech Rewari Township project at Sector--15 Village-Rampura Distt Rewari, Haryana** from SEIAA Haryana ref no **SEIAA/HR/2013/1571 dated 24.12.2013 received on dated 13.01.14** and as per **General Condition- Part-B, point no VII of the Environmental Clearance**, the advertisement has been published in two local News Paper(English & Hindi)viz. **The Times Of India (English) & Danik Jagran(Hindi) on Dated 18.01.2014**.The copy of same is enclosed herewith for your ready reference. The Environmental Clearance letter also available on our official website for public awareness. This is your kind information and necessary office records.

Thanking you,

Yours faithfully
For **Unitech Limited**


Authorized Signatory

- Cc: (i) The Director(S), Northern Regional Office Bays No.24-25, Sector 31-A Dakshin Marg, Chandigarh- 160030
(ii) The Member Secretary, SEIAA, Haryana Bay No.55-58 Prayatan Bhawan Sector-2, Panchkula, Haryana

Encl: As stated above.

Unitech Limited

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www.unitechgroup.com

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New Delhi - 110017.

T +91 11 41664040

Ref : **UL/Advertisement/SEIAA-H/Rewari/2801/2014**
Date : **28.01.2014**

unitech

To,
The Member Secretary,
State Level Environment Impact Assessment Authority, Haryana
Bay No. 55 – 58 Prayatan Bhawan,
Sector – 2, Panchkula,
Haryana.

Ref : **EC No.SEIAA/HR/2013/1571 dated 24.12.2013**


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Yours faithfully
For **Unitech Limited**


28/01/2014
Authorized Signatory

Cc: (i) The Director(S), Monitoring Cell, MoEF, Paryavaran Bhawan, CGO Complex, Lodhi Road,
New Delhi--110003
(ii) The Director(S), Northern Regional Office Bays No.24-25, Sector 31-A Dakshin Marg,
Chandigarh- 160030

Encl: As stated above.

ANNEXURE-XXI
ENVIRONMENTAL POLICY

ENVIRONMENTAL POLICY

We, at Unitech Ltd. are committed not only to fulfill applicable Environmental legislations but also to take our own initiatives for the betterment of the environment, both during the Construction as well as Operation phase of our construction projects. We are continuously evolving & improving our construction standards by adopting best available techniques.

ENVIRONMENTAL IMPLEMENTATION GUIDELINES:

- To identify, assess and responsibly manage the environmental risk through management plan.
- To comply with all the applicable rules and regulations.
- To minimize / optimize consumption of natural resources through the reduction, reuse or recycling of materials, as much as possible.
- To actively promote the concept of sustainability in the building design & implementation.
- To integrate the consideration of environmental concerns and impacts in all of our decision making and activities.
- To promote environmental awareness among our employee and encourage them to work in an environmentally responsible manner.
- To impart knowledge & training and motivate all those influenced by the project's activities to participate responsibly in Environment improvement.
- To have systems in place to appraise employees and partners in meeting Environmental obligations
- To strive to continually improve its environmental performance by periodically reviewing its environmental policy in light of current and planned work.

Dated: **05th June, 2012**

A handwritten signature in black ink, appearing to be "R. G. M.", is written over a horizontal line.

(Chairman)
Unitech Limited