

परमाणु ऊर्जा विभाग Department of Atomic Energy वैश्विक नाभिकीय ऊर्जा साझेदारी केन्द्र



GLOBAL CENTRE FOR NUCLEAR ENERGY PARTNERSHIP

Ref: GCNEP/MoEF/2017/07-09

Dated: 07/07/2017

To,

The Advisor,
Regional Office,
Ministry of Environment, Forest and Climate Change (Northern Region)
Bays No: 24-25, Sector-31 A,
Dakshin Marg, Chandigarh-160030

Sub: Half-Yearly Compliance Report (Session: January 2017 to June 2017) of the stipulated Environmental conditions/safeguards in the Environmental clearance Letter and Environmental Monitoring Report of Institutional Campus and Residential Township for Global Centre For Nuclear Energy Partnership (GCNEP) at Village-Kherl Jasaur and Jasaur Kheri, District - Jhajjar, Haryana by GCNEP

Ref: Environmental Clearance No. SEIAA/HR/2014/1385 dated 7th November, 2014.

Dear Sir.

This has reference to the above mentioned Environmental Clearance No.SEIAA/HR/2014/1385 dated 7th November, 2014 in which we have been asked to submit the compliance with the specific and general conditions of the same.

In view of above, we are approaching you by submitting a copy of the following information/ documents for your kind perusal:

- 1. Point-wise compliance of the stipulated environmental conditions/ safeguards
- 2. Environmental monitoring report, along with necessary documents & annexures.

We fully assure you that we will comply with all conditions as specified in the Environment clearance granted to us.

Thanking you,
Yटीएम्ड राजिस्ट्रीम्ड (भी अस्तरक्षतः
परियोजना निवेशन / Project Director
परियोजना निवेशन (शास्त्रकार कर्म (सी.सी.एम.ई.पी.)
Global Cantra for Nuclear Energy Partnership (G.C.M.E.P.)
प.क.चि., भावा संदर्भार (सी.सी.एम.क्राक्ट्र) स्थापन स्यापन स्थापन स्थापन

Anupam Sharma
Outstanding Scientist
Project Director, GCNEP
145A, South Block, New Delhi -110011
Email: pd@gcnep.gov.in

- CC: 1. The Member Secretary, Haryana State Pollution Control Board, Panchkula, Haryana.
 - 2. The Member Secretary SEIAA, Bay No. 55-58, Parytan Bhawan 1st Floor, Sector-2, Panchkula, Haryana.

DISTT. JHAJJAR, HARYANA

COMPLIANCE REPORT

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HALF YEARLY COMPLIANCE OF STIPULATED ENVIRONMENTAL CONDITIONS SAFEGUARDS IN THE ENVIRONMENTAL CLEARANCE LETTER NO. SEIAA/HR/2014/1385

DATED 7th November 2014

FOR

INSTITUTIONAL CAMPUS AND RESIDENTIAL TOWNSHIP FOR GLOBAL CENTER FOR NUCLEAR ENERGY PARTNERSHIP (GCNEP) AT VILLAGE-KHERI JASAUR AND JASAUR KHERI, DISTT. JHAJJAR, HARYANA

PART A - SPECIFIC CONDITIONS: CONSTRUCTION PHASE

Condition 1: "Consent to Establish" shall be obtained from Haryana State Pollution Control Board under Air and Water act and a copy shall be submitted to the SEIAA Haryana before the start of any construction work at the site.

Rcply: Consent to Establish has been obtained from Haryana State Pollution Control Board for "Consent to Establish" under Air and Water Act vide letter no. HSPCB/Consent/: 2821215JHACTE1432687 dated 27.02.2015. Copy of CTE is enclosed as Annexure I. CTE extension has been obtained for the period from 27.02.17 to 26.02.2019.

Condition 2: A first aid room as proposed in the project report shall be provided both during construction and operation phase of the project.

Reply: Agreed. First Aid Room is provided at Site by the Contractor. First Aid Facilities are available at DCS&EM Site Office. In case of Snake bite, the treatment can be availed from village hospital for which the facility is available at the hospital. Emergency vehicle is available at site at all working hours. We are doing routine medical check-up for the laborers those who are working at the construction site. Photographshowing First Aid room isattached as Annexure II.

Condition 3: Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. Open defectation by the laborers is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.

Reply: Agreed. Adequate Drinking Water facility is provided at Labour Hutments. Sanitary Arrangements are provided at labour Hutment Area & Site Offices. The open defectation by the GLOBAL CENTER FOR NUCLEAR ENERGY PARTNERSHIP (GCNEP)

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labors is strictly prohibited. The wastewater generated during construction phase is being sent to septic tanks. Photographs showing drinking water facility, toilets and septic tank are attached as Annexure III.

Left over cement and mortar, cement concrete blocks, aggregates, sand and other inorganic material are being recycled. Solid waste management plan is enclosed as Annexure IV.

Condition 4: All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.

Reply: Agreed. Top soil is preserved separately which will be used for landscaping. Small landscaping made in front of the office is made of top soil of Guest House Building. Photograph showing the top soil storage is enclosed as Annexure V.

Condition 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 the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

Reply: Agreed. No significant muck excavation is being done at the project site. Construction materials are being properly stored within project site. Cement Go-down for Cement Storage is available, store room at Township Site is made, store room at Campus Site is provided, and RMC Plant with partitions is also made. Photograph showing covered construction material enclosed as Annexure VI.

Condition 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.

Reply: Agreed. Construction spoils such as bituminous material and other hazardous materials are not allowed to contaminate water course, dumpsite is being provided inside the boundary of the project site. Hazardous waste generated during constructionphase, is being disposed of as per applicable rules and norms.

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अनुषय भर्म / ANUPAM SHARMA परियोजना निदेशक / Project Director

वासक नागिकीय ऊर्जी साहोदारों केन्द्र (जी.सी.एन ई.पी.) Global Centre for Nuclear Energy Partnership (G.C.N.E.P.) प.ज.मि., भारत सरकार / D.A.E., Government of India बहादुराव (हरियामा) / Bahadurgarh (Haryana)-12-507

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Condition 11: Storm water control and its rc-use as per CGWB and BIS standards for various applications should be ensured.

Reply: Agreed. Standards will be followed. Detailed design for storm water drains are carried out and these drains are being constructed.

Condition 12: Water demand during construction should bereduced by use of premixed concrete, curing agents and other best practices as referred.

Reply: Agreed. Ready mix concrete is used for all RCC works. No bore well is made at site. Photograph showing batching plant at site is shown as Annexure IX.

Condition 13: Roof should meet prescriptive requirement as per Energy Conservation Bullding Code by using appropriate thermal insulation material to fulfill requirement.

Reply: Agreed. Insulation (50m thick Phenotherm board) material are being used at roof. Energy details is attached as Annexure X.

Condition 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 inspirational for non-air-conditioned spaces by use of appropriate thermal insulation material to fulfill requirement.

Reply: Agreed. Double walls are used on all outer walls (230mm + 115mm) .Thermal insulation material is provided between these walls.

Condition 15: The approval of the competent authority shall be obtained for structural safety of the building on account of carthquake, 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.

Reply: Agreed. This is a project of Central Government, Department of Atomic Energy project. The project is conceived and detailed by in-house designers, adhering to in vogue safety and design standards. No forest land is involved in the project. Forest NOC is attached as Annexure XI.

Condition 16: The project proponent as stated in the proposal shall construct 50 rainwater 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 pits. Maintenance

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अनुषम सार्ग / ANUPAM SHARMA परिकोजना निदेशक / Project Director

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Condition 7: The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.

Reply: Agreed. Temporary Electrical connections are available for Major Construction Works. Two back up silent DG set is provided (82KVA + 40 KVA). BS-IV norm fuel is used (Available at Delhi & NCR Region). During construction phase DG sets are enclosed with acoustic enclosure installed on the Finn base to minimize vibration and noise. Results of Environmental monitoring carried out at the site for Air and Noise monitoring are enclosed as Annexure VII.

Condition 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.

Reply: Agreed. D.G sets are used only for lighting purpose. The quantity of diesel required isvery low. So, storage-of diesel is not proposed. No major storage is done at site.Maximum 100 Lit stored in enclosed store room. Photograph of the same is attached as Annexure XXIII.

Condition 9: Ambient noise levels should conform to the residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards.

Reply: Agreed. Ambient noise levels are monitored during day & night and conforming tostandards. Base line + incremental load of Ambient Air Quality and Noise Level are being closely monitored during construction phase. Adequate measures have been adopted to reduce Ambient Air Quality Level and Noise Level during construction phase to conform to confirm to the stipulated standards. Ambient air quality report and noise monitoring report is enclose as Annexure VII.

Condition 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 27th August, 2003.

Reply: Fly ash based bricks is being used for the construction of walls. All Superstructure Masonary Works are built/being built with Fly ash bricks Photograph showing same is enclosed as Annexure VIII.

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अनुगर भाग / ANUPAM SHARMA परिवासम्म निदेशक / Project Director

वैशिक गागिकीय जर्मा साहोदारी केन्न (शी.सी.एग.ई.पी.) Global Centre for Nuclear Energy Partnership (G.C.M.E.P.) प.क.चि., गारत शरकार / D.A.E., Government of India केन्द्रसाठ (स्टियामा) / Bahadurgarh (Haryana)-124507

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budgetand persons responsible for maintenance must be provided. Care shall also be taken that contaminated water do not enter any RWH pit.

Reply: We will construct 50 rainwater harvesting pits for recharging the ground water within the project premises. Rain water harvesting pits will be designed to make provisions for silting chamber and removal of floating matter before entering harvesting pits.

Condition 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.

Reply: Agreed. Fire doors at constructed at staircases, Guest House corridor, Electrical panel rooms and AHU rooms. Smoke detector and wet risers with booster pumps and all firefighting accessories are available. Fire NOC from Fire station department is attached in Annexure XII.

Condition 18: The project proponent shall submit assurance from the HBVNL for supply of 1700 KVA of power supply before the start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.

Reply: Agreed. We have already obtained assurance from the UHBVNL for supply of 1700 kVA of power supply. Same is enclosed as Annexure XIII.

Condition 19: Detail calculation of power load and ultimate power load of the project shall be submitted to HBVNL under intimation to SEIAA Haryana before the start of construction. Provision shall be made for electrical infrastructure in the project area.

Reply: Agreed. We have already obtained required permission from HBVNL for supply of 1700 kVA power load for the Institution campus and residential township project.

Condition 20: The Project proponent shall not raise any construction in the natural lane depression/Nallah/Water course and shall ensure that the natural flow from the Nallah/Water course is not obstructed.

Reply: Agreed.Irrigation channel is preserved by Fencing works. Hume pipes are laid where ever is necessary. Village panchayat has taken action to divert the drainage water from campus site. Additional storm water drain is constructed along the by-pass road at campus site

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Condition 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 bye-laws. Levels of the other areas in the Projects shall also-be kept-suitably so as to avoid flooding.

Reply: Agreed. Plinth levels are kept well above the surrounding levels (+101.45m).Level of approach road is kept above the maximum water level during rainy season.

Condition 22: Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana.

Reply: Density of population will not exceed norms approved by Director General Town and Country Department Haryana due to the construction of project.

Condition 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.

Reply: No bore well is dug at site for construction purpose. We are a government organization. We have submitted an undertaking stating that we will not use Ground water for construction. Same is attached as Annexure XIV.

Condition 24: The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.

Reply: Agreed. There is no requirement of cutting the trees, only small bushes have been cleared for construction activity.

Condition 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.

Reply: Agreed. ECBC norms will be met. Building envelope, HVAC services, water heating, pumping, lighting electrical infrastructure will all be in energy efficient way and meet Energy conservation Building Code norms.LED/ CFL fixtures are used.Air conditioners are working on R-410 A.

Condition 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.

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अनुपन शर्मा / ANUPAM SHARMA परियोजना निदेशक / Project Director

पारबंध भागकाय उन्हां साहोत्तरी बेन्द्र (वी.सी.एन.ई.पी.) Global Centre for Nuclear Energy Partnership (G.C.N.E.P.) प.ज.वि., भारत संस्कृत / D.A.E., Government of India बहादुरगढ़ (हरियाणा) / Bahadurgarh (Haryana) 124507

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Reply: Agreed. Masonary boundary wall is constructed all around the site and water sprinkling is being done to restrict dust and air pollution during construction. Photograph showing the same is enclosed as Annexure XV and Annexure XVI respectively.

Condition 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.

Reply: Agreed, Sedimentation basin will be constructed.

Condition 28: The project proponent will provide proper rasta of proper width and proper strength for the project before the start of construction.

Reply: We have provided proper rasta of proper width and proper strength for the project before the start of construction. Same is enclosed as Annexure XVII.

Condition 29: The project proponent shall ensure that the U value of Glass is less than 3.177 and maximum solar heat gain coefficient is 0.25 for vertical fenestration.

Reply: Agreed. Hermetically sealed 38mm thick (12mm SGG cool lite platinum toughened glass + 18mm air gap + 8mm inner glass) with low U value glass for all structural glazing works is being used.

Condition 30: The project proponent shall adequately control construction dusts like silica dust, non-silica dust and wood dust. Such dusts shall not spread outside project premises. Project proponent shall provide respiratory protective equipments to all construction workers.

Reply: Agreed. Proper measures are being taken to control dust on the site like water sprinkling, covering construction material vehicles, the photograph of dust suppression using tractors is attached as Annexure XVI. Site barricading is being done so that dust does not spread outside premises which is attached as Annexure XV. We are providing provide mask and other personal protective equipment to the construction laborers.

Condition 31: The project proponent shall provide fire control room and fire officer for building above 30 m as per national Building Code.

Reply: The height of institutional and residential building is G+2 and G+1, the height of the building will not be raised above 30m.

Condition 32: The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.

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Reply: There is no basement provided in the project. If required at any stage, we will obtain permission from concerned department.

Condition 33: 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 HUDN Local authorities beside other required services before taking up any construction activity.

Reply: Agreed.

Condition 34: 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.

Reply: The site for solid waste management plant has been enumerical on the layout plan. The same will be provided before operational stage. SitePlan is attached as Annexure XVIII.

Condition 35: 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.

Reply: We will discharge excess of treated waste water/storm water in the public drainage system. Application will be submitted to HUDA for drainage connection.

Condition 36: The project proponent shall ensure that structural stability to withstand earthquake of magnitude 8.5 on Richter scale.

Reply: The project is being developed by Central Government, Department of Atomic Energy. The project is conceived and detailed by in-house designers, adhering to in vogue safety and design standards. All measures are being taken to ensure that building is earthquake resistant. All the provisions of IS 1893 & IS 13920 if followed in structural design.

Condition 37: The project proponent shall seek separate environment development of the remaining part of project as per the procedure laid notification under expansion after the approval of the competent authority in is obtained.

Reply: Agreed and will be complied with when necessary.

Condition 38: The project proponent shall be self-integrated with respect to services infrastructure and shall be independent for all the purposes.

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अनुस्य राजी / ANUPAM SHARMA परियोजना निदेशका / Project Director

वास्त्रक मामुकास कना साह्यस्य छन् स्थास्तर्गर्भकः Global Contro for Nuclear Energy Partnership (G.C.N.E.P.) प.स.वि., भारत सरकार / D.A.E., Government of India बहाइराम (विश्याणा) / Bahadurgarh (Haryana)-124507

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Reply: Agreed. STP treated water will be recycled within the project for flushing and horticultural purpose. Rainwater will be harvested to recharge ground water.

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SPECIFIC CONDITIONS: OPERATION PHASE

Condition 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.

Reply: Agreed, "Consent to Operate" will be obtained from Haryana State Pollution Control Board under Air and Water act and copy will be submitted to the SEIAA, Haryana. CTO from HSPCB will be obtained after completion of construction work of the project.

Application for "Consent to Operate" for SNSS building and Guest house Block-A has been submitted to Haryana State Pollution Control Board under Air and Water act.

Condition 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. The project proponent shall remove not only Ortho-Phosphorus but total Phosphorus to the extent of less than 2 mg/litre. Similarly total Nitrogen level shall be less than 2 mg/liter in tertiary treated waste water. Discharge of treated sewage shall conform to the norms and standards of CPCB/HSPCB, whichever is environmentally better. Project proponent shall implement suchSTP technology whichdoes notrequire filter backwash.

Reply: Agreed. STP will be designed by specialized engineers of the Department. Tertiary treatment of waste water will be done, and the treated water will be reused in the project for horticulture and flushing.

Condition c: Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100 % gray water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 5 mglliter and the recycled water will be used for flushing, gardening and DG set cooling etc.

Reply: Agreed. Dual Plumbing line will be used. The treated waterform STP will be reused in the project for flushing and landscaping purposes.

Condition d: For disinfections of the treated waste water ultra violet radiation or Ozonization should be used.

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क्षुणन शर्म / AMUPAM SHARMA परियोजना विकास । Projum Director

पालेक मामिकीय कर्जा साहेवारी ग्रेज (वी.सी.एन.ई.पी.) Global Centre for Nuclear Energy Partnership (G.C.N.E.P.) प.क.चि., भारत संस्कार / D.A.E., Government of India वाजुरुवय् (प्रतिवादा) / Bahadurgarh (Haiyana)-124507

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Reply: Agreed. For disinfection of the treated water, ultra violet radiation will be used.

Condition e: Diesel power generating sets proposed as source of backup power for lifts, common area illumination and for domestic use should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The location of the DG sets should be in the basement as promised by the project proponent and appropriate stack height i.e., above the roof level as per the CpeB nonms. The diesel used for DG sets should be of ultra-low sulphur diesel (35 ppm sulphur), instead of low sulphur diesel.

Reply: Agreed. D.G. sets to be used for power back up will be of enclosed type and confirmed rules made under the Environment (Protection) Act, 1986. The D.G. sets are run on BS-IV norm fuel (Available at Delhi & NCR Region)

Condition 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 Institutional Campus and Residential Township.

Reply: Agreed. Proper mitigation measures as suggested in EMP report will be done to control noise level both during construction and operation phase and is ensured that it does not exceed the prescribed standards both within and at the boundary of the Commercial Colony.

Condition g: The project proponent as stated in the proposal shall maintain at least 32% for the institutional campus and 30.08% for residential township as green cover area for tree plantation especially all around the periphery of the project and on the road sides preferably with local species so as to provide protection against particulars and noise. The open spaces inside the plot should be preferably landscaped and covered with vegetation/grass, herbs and shrubs. Only locally available plant species shall be used.

Reply: Agreed.

Condition 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 evapotranspiration data.

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Reply: Agreed. Minimum water will be used in irrigation of landscape by minimizing grass area, using native variety, 'xeriscaping and mulching, utilizing efficient irrigation system, scheduling irrigation.

Condition i: The ground water level and its quality should be monitored regularly in consultation with Central Ground water Authority.

Reply: Agreed.

Condition j: A report on the energy conservation measures conforming to energy conservation norms finalize by Bureau of Energy Efficiency should be prepared incorporating details about building materials & technology; R & U factors etc. and submit to the IA Division of Environment, Haryana in three months time.

Reply: Agreed.

Condition k: Energy conservation measures like installation of LEDs 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 extent possible for energy conservation.

Reply: Agreed. Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building is integral part of the project design and will place before project commissioning. Used CFLs and TFLs will be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Solar lighting will proposed for open spaces and signage.

Condition 1: The project proponent shall use zero ozone depleting potential material in insulation, refrigeration, air-conditioning. Project proponent shall also provide Halon free fire suppression system.

Reply: Agreed.

Condition m: The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2000 and as amended from time to time. The bio-degradable waste should be composted by vermin-compo sting at the site earmarked within the project area and dry/inert solid waste to be disposed off to the approved site for land filling after recovering recyclable material.

Reply: Agreed, Soild Waste Management Plan is attached as Annexure IV.

GLOBAL CENTER FOR NUCLEAR ENERGY PARTNERSHIP (GCNEP)

अनुपण सर्भा / ANUPAM SHARMA परिशेचना निदेशक / Project Director

बारबंध नामकोब ऊर्जा साक्षेत्ररी केन्द्र (बी.सी.एन.ई.पी.) Global Centra for Nuclear Energy Pettnership (G.C.N.E.P.) प.क.पि., भरश सरकार / D.A.E., Government of India बहादुराद् (बीरेबाणा) / Bahadurgurh (Haryana)-124507

COMPLIANCE REPORT

DISTT. JHAJJAR, HARYANA

JUNE, 2017

Condition n: The provision of solar water heating system shall be as per the norms specified by HAREDA and shall be made operational in each building block.

Reply: Agreed.

Condition o: The traffic plan and the parking plan proposed by the project proponent should be adhered to meticulously with further scope of additional parking for future requirement. There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be used.

Reply: Agreed. Traffic cum parking plan enclosed as Annexure XIX.

Condition p: The Project shall be operationalized only when HUDA/local authority will provide domestic water supply system in the area.

Reply: Agreed.

Condition q: Operation and maintenance of STP, Solid waste management and electrical Infrastructure, pollution control measures shall be ensured.

Reply: Agreed. Operation and maintenance of STP, solid waste management and electrical infrastructure, pollution control measures will be completed after the completion of the unit.

Condition r: Different type of wastes should be disposed off as per the provision of municipal solid waste, biomedical waste, hazardous waste, c-waste, batteries and plastic rules made under Environment Protection Act, 1986. Patticularly E-waste and Battery waste shall be disposed off as per existing E-waste Management Rules 2011 and Batteries Management Rules 2001. The project proponent shall maintain a collection center for E-waste and it shall be disposed of to only registered and authorized dismantler/recycler as per existing E-waste Management Rules 2011.

Reply: Agreed. MSW will be disposed off as per provisions of municipal solid waste made under Environment Protection Act, 1986. Negligible quantity of Biomedical waste, Hazardous waste, e- waste, and plastic waste generated will be disposed off as per biomedical waste, hazardous waste, e-waste, batteries & plastic rules made under Environment Protection Act, 1986. E-waste and Battery waste will be disposed of as per existing E-waste Management Rules 2011 and Batteries Management Rules 2001. A collection center will be maintained for E-waste collection and it will be disposed off to only registered and authorized dismantler/recycler.

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विशेषक निर्माण कर्जा साहोदारी केन्न (जी.सी.एन.ई.मी.) Global Centre for Nuclear Energy Partnership (G.C.N.E.P.) प.स.चे., भारत संस्कार / D.A.E., Government of India बस्तुरमङ् (तरिवाणा) / Behadurgarh (Haryana)-124507

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Condition s: Standards for discharge of environmental pollutants as enshrined in various schedule of Rule 3 of Environment Protection Rule, 1986 shall be strictly complied with.

Reply: Agreed. As per Environment protection Rule 1986 standard for discharge of environment pollutant will be strictly complied.

Condition t: The project proponent shall make provision for guard pond and other provision for safety against failure in the operation of wastewater treatment facilities. The Project proponent shall also identify acceptable outfall for treated effluent.

Reply: Agreed. During failure of STP, automatic valves will be open and water will be drained out in sewerage system. Project proponent will provide guard pond.

Condition u: 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 latest presoribed limits. Noise and Emission level of DG sets greater than 800 KVA shall be as per CPCB latest standards for high capacity DO sets.

Reply: Agreed. DG Sets will have adequate stack height of 6m above maximum height of the building, and it will be ensured that emission standard of noise and air are within limits. No high capacity DG sets are being used in the project.

Condition v: All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to I at the point of connection.

Reply: Agreed.

Condition w: The project proponent shall minimize heat island effect through shading and reflective or pervious surface instead of hard surface.

Reply: Agreed. The project proponent will minimize heat island effect through shading and reflective or pervious surface instead of hard surface.

Condition x: The project proponent shall not use fresh water for HVAC and DG cooling. Air based HVAC system should be adopted and only treated water shall be used by project proponent for cooling, if it is at all needed. The Project Proponent shall also use evaporative cooling technology and double stage cooling system for HV AC 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 (CoP), as well as optimal Integrated Point Load Value and minimum outside fresh air supply may be resorted for conservation

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अनुषम सर्पा / ANUPAM SHARMA परियोजना निदेशक / Project Director

वैश्वित नामिकीय कर्ना आहेतामें होन क्वारी प्राव है। हि

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COMPLIANCE REPORT

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JUNE, 2017

of power and water. Coil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.

Reply: Agreed.

Condition y: 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.

Reply: Agreed. Transformer constructed of high quality grain oriented, low loss silicon steel and virgin electrolyte grade copper will be used. The project proponent will obtain manufactures certificate at time of construction.

Condition z: Water supply shall be metered among different users and different utilities.

Reply: Agreed. Water supply will be metered among different users and different utilities.

Condition aa: 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.

Reply: Agreed. Stack will be designed in such a way that there will not be stack down wash under any meteorological conditions.

Condition ab: 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.

Reply: Agreed.

Condition ac: The project proponent shall provide additional green area on terrace and roof top.

Reply: Agreed.

Condition 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.

Reply: Agreed.

Condition ac: The project proponent shall install solar panel for energy conservation.

GLOBAL CENTER FOR NUCLEAR ENERGY PARTNERSHIP (GCNEP)

अनुपम समी / ANUPAM SHARMA परिचीवना निदेशक / Project Directo

वेशिक गामिकीय कर्जा साहोदारी केन्द्र (सी.शन ई.पी.) Global Centra for Nuclear Energy Partnership (G.C.V.E प.ज.वि., भारत सरकार / D.A.E., Government of India

वहादुरम्द (तरिवाणा) / Bahadurgaris (Haryana)-124507

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JUNE, 2017

Reply: Agreed.

PART B-GENERAL CONDITIONS

Condition I: The project proponent shall ensure the commitments made in Form I, Form IA, 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.

Reply: Agreed. The environmental safeguards contained in the ElA/EMP Report are being implemented in letter and spirit.

Condition 2: 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 copy as well as by email) to the northern Regional Office of MoEF, the respective Zonal Office of CPCB, HSPCB and SEIAA, Haryana.

Reply: Agreed. Hard and soft copy of six monthly compliance reports will be submitted in the month of June & December every year. Receiving of December-2016 compliance submission is attached as Annexure-XXII.

Condition 3: 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 3months, the project proponent shall environmental audit and shall take corrective measures, if required, without delay.

Reply: Agreed. Hard and soft copy of six monthly compliance reports will be submitted in the month of June & December every year. Receiving of December-2016 compliance submission is attached as Annexure-XXII

Condition 4: The SEIAA, Haryana reserves the right to add additional safeguards 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.

Reply: Agreed.

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Condition 5: The project proponent shall not violate any judicial orders/pronouncement issued by any court/tribunal.

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अनुषय धर्मा / ANUPAH SHARMA

परियोजना निदेशक / Project Director

षेशिक नामकाय कर्जा साझेदारी केन्द्र (बी.सी.एन.ई.पी.) Global Centre for Nuclear Energy Partnership (G.C.N.E.P.) प.क.शि., भारत सरकार / D.A.E., Government of India बहादुरंगड़ (हरियाणा) / Bahadurgarh (Haryana)-124507

DISTT: JHAJJAR, HARYANA

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Reply: Agreed. Any judicial orders/pronouncement issued by any court/tribunal will not be violated by us.

Condition 6: 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, PLPA, 1900 etc. shall be obtained as, applicable by Project proponents from the respective authorities prior to construction of the project.

Reply: Agreed. All the required applicable clearances have been taken from the respective authority. Forest NOC is enclosed as Annexure XI& Fire NOC is enclosed as Annexure XII.

Condition 7: 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 clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same be forwarded to SEIAA Haryana. A copy of Environment Clearance collections shall also be put on project proponent's website for public awareness.

Reply: Agreed. Advertisement copy is enclosed as Annexure XX.

Condition 8: Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponent if it was found that construction of the project has been started without obtaining Environmental Clearance.

Reply: Agreed. Construction will be started only after obtaining Environment Clearance from State Environment Impact Assessment Authority, Haryana vide letter no. SEIAAlHRl2014/1385 Dated 07.11.2014. Copy of EC Letter is enclosed as Annexure XXI.

Condition 9: Any appeal against 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.

Reply: Agreed.

Condition 10: The project proponent shall put in place Corporate Environment policy as mentioned in MoEF, GoI OM No. J-IIO13/4112006-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.

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JUNE, 2017

Reply: Agreed. We being a Department of Government of India, hence Corporate Environment Policy is not applicable. Instead under Entry Point Activities, the proponent has earmarked Rs. 10.0 Crore for development in neighborhood area which includes some of the specific project on environmental protection like (i) Bhindawas (Jhajjar) Bird Sanctuary, (ii) Desalination plant for village Jasaur-Kheri. The other activity includes Construction of .Girls Degree College in village Jasaur Kheri (GCNEP project site village) The proponent has committed a onetime grant of Rs ,150 lakh for this activity and has already contributed Rs. 50 Lakh.

Condition 11: 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.

Reply: Agreed. The fund earmarked for environment protection measures kept in separate account and will not be diverted for other purposes and year wise expenditure will be reported to the SEIAAI/RO MoEF Gol under rules prescribed for Environment Audit.

Condition 12: The project proponent shall ensure, the compliance of Forest Department, Haryana Notification no. S.O. 121/PA2/1900/S.4/97 dated 28.11.1997.

Reply: Agreed.

Condition 13: 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.

Reply: Agreed. Only valid 'Pollution under Control' celificate vehicles will be allowed to enter the project site during construction to carry construction material and as well as operation phase.

Condition 14: The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.

Reply: Agreed. Fresh Environment clearance will be taken if at any stage there is change in the planning of the proposed project.

Condition 15: Nodal Officer (Project Director) nominated by GCNEP shall be responsible for implementation of all conditions of Environmental Clearance letter.

Reply: Agreed.

GLOBAL CENTER FOR NUCLEAR ENERGY PARTNERSHIP (GCNEP)

अनुपम शर्मा / ANUPAM SHARMA परिवोजना निदेशक / Project Director James

पांचक नामकाय कर्जा साहबारों कह (बाट्डाएन.इसी.) Global Centre for Nuclear Energy Partnership (G.C.N.E.P.) पांचारित, भारत संस्कार / D.A.E., Government of India कहारुवह (हरियाला) / Bahadurgarh (Haryana)-124507

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Condition 16: The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM2.5, PMIO, SOx, NOx, Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel. (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.

Reply: Agreed.

Condition 17: The environmental statement for each financial year ending 31" 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.

Reply: Agreed.

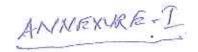
Condition 18: The project proponent shall conduct environment audit at every three months Interval and thereafter corrected measures shall be taken without any delay. Details of environmental audit and corrective measures shall be submitted in the monitoring report.

Reply: Agreed.

GLOBAL CENTER FOR NUCLEAR ENERGY PARTNERSHIP (GCNEP)

परिमोजना निदेशक L Project Director

वैधिक नामिकीय कर्जा राष्ट्रीदारी केन्द्र (जी.सी.एन.ई.मी.) Global Centre for Huclear Energy Partnership (G.C.N.E.P.) प.क.जि., भारत रारकार / D.A.E., Government of (helia -महादुरगढ़ (हरियामा) / Bahadurgarh (Haryana)-124507





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

Website - www.hspcb.gov.ln E-Mall - hspcb.pkl@sifymail.com Telephone No. - 0172-2577870-73

No. HSPCB/Consent/: 2821215JHACTE1432687

Dated:27/02/2015

To

-M/s: Global Centre for Nuclear Energy Partnership (Institute & Township)

Vill, Jasuar Kheri & Kheri Jasaur, Tel Bahadurgarh

JHAJJAR 124505

O ... Designation make a

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

Please refer to your Consent to Establish application received in this office on the subject noted above. Under the Authority of the Haryana State Pollution Control Board vide its agenda Item No. 47.8 dated 28.04.83 sanction to the issue of "Consent to Establish" with respect to pollution control of Water and Air is hereby accorded to the unit Global Centre for Nuclear Energy Partnership (Institute & Township), for manufacturing of / Unit is a proposed institutional campus and residential township with proposing the scheme of STP of 106.4 KLD for the treatment of D.E. with the following terms and conditions:-

- The industry has declared that the quantity of effluent shall be 106.4 KL/Day i.e 0KL/Day for Trade Effluent, 0 KL/Day for Cooling, 106.4 KL/Day for Domestic and the same should not exceed.
- 2. The above "Consent to Establish" is valid for 24 months from the date of its issue to be extended for another one year at the discretion of the Board or till the time the unit starts its trial production whichever is earlier. The unit will have to set up the plant and obtain consent during this period.
- 3. The officer/official of the Board shall have the right to access and inspection of the industry in connection with the various processes and the treatment facilities being provided simultaneously with the construction of building/machinery. The effluent should conform the effluent standards as applicable
- 4. That necessary arrangement shall be made by the industry for the control of Air Pollution before commissioning the plant. The emitted pollutants will meet the emission and other standards as laid/will be prescribed by the Board from time to time.
- The applicant will obtain consent under section 25/26 of the Water (Prevention & Control
 of Pollution) Act, 1974 and under section 21/22 of the Air (Prevention & Control of
 Pollution) Act, 1981 as amended to-date-even before starting trial production
- The above Consent to Establish is further subject to the conditions that the unit complies
 with all the laws/rules/decisions and competent directions of the Board/Government and its
 functionaries in all respects before commissioning of the operation and during its actual
 working strictly.
- No in-process or post-process objectionable emission or the effluent will be allowed, if the scheme furnished by the unit turns out to be defective in any actual experience
- The Electricity Department will give only temporary connection and permanent connection
 to the unit will be given after verifying the consent granted by the Board, both under Water
 Act and Air Act.

परियोजना निदेशक / Project Director विस्था नामिक्वीय कर्जा तामिक्किया (जी.सी.एन.व्यी.) Global Contro के विप्यक्रियो निकाशित Partnership (G.C.N.E.P.) प.स.चि., गारी सरकार / D.A.E., Government of India बहादुरुख (करियामा) / Bahadurgarh (Heryana)-124507

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

Specific Conditions

FIRE CONTRACTOR STREET

A Blown

সন্থান সর্গা / ANUPAM SHARMA धरियोजना निदेशक / Project Director धरियक नागिमतीय कार्जा साझोहारी केन्द्र (जी.सी.एन.ई.पी.) Global Centre for Nuclear Energy Partnership (G.C.N.E.P.) ए.ज.चि., भारत सरकार / D.A.E., Government of India মহানুহান্ত্র (तरिवाणा) / Bahadurgarh (Haryana)-124507

- 1 Green belt of adequate width shall be provided by the unit.
- 2 Unit will not discharge any trade effluent & will not use any source of emissions
- 3 Unit shall obtain trial consent to operate before start of production
- 4 The unit shall dispose plastic waste only to authorised agency for disposal of plastic waste by any state pollution control board

Other Conditions:

unit will comply with the conditions of Env Clearance granted

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

---It is system generated certificate no signature is required---

अनुपन सर्ज / ANUPAM SHARMA परियोजना निदेशक / Project Director वैश्विक नाभिजीय जर्जा साझेश्वरी केन्द्र (बी.सी.एन.ई.पी.) Global Centre for Nuclear Energy Partnership (G.C.N.E.P.) प.ज.वि., भारत सरकार / D.A.E., Government of India बहादुशह (हरियाणा) / Bahadurgarh (Haryana)-124507

Annexure II: First Aid Room

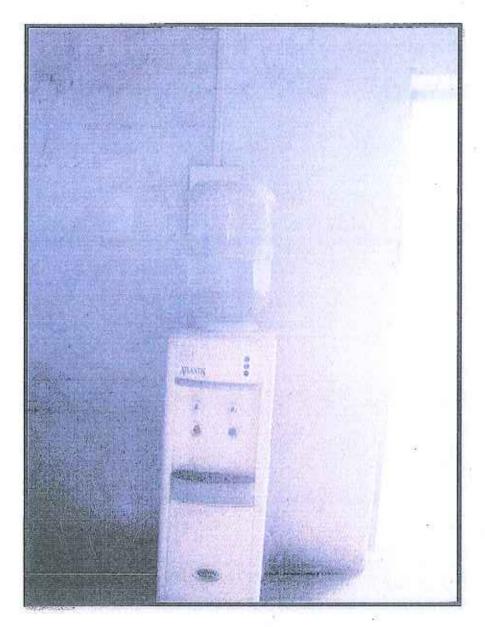




अनुषम सर्ग / ANUPAM SHARMA परियोजना निरोधक / Project Director पेरिक गरिनेकीय कर्जा साहोदारी केन्न (जी.सी.एन.इं.पी.) Global Centre for Nuclear Energy Partnership (G.C.N.E.P.) प.क.बि., भारत सरकार / D.A.E., Government of India सरहुराह (हरियाणा) / Bahadurgarh (Haryana)-124507

ABJon,

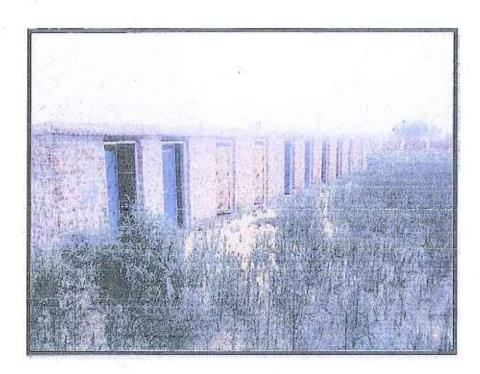
Annexure III



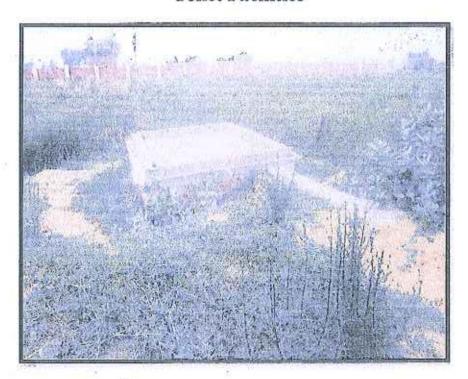
Drinking Water

ABhane

अनुष्य राज / ANUPAM SHARMA धरियोजना निर्देशक / Project Director वेशिक नामिकोब कर्जा सामेदारी केच (जी.सी.एन.ई.पी.) Global Contro for Nuclear Energy Partnership (G.C.N.E.P.) घ.क.वि., भारत संस्कार / D.A.E., Government of India



Toilet Facilities



Septic Tank

A Blance

जनुषम शर्मा / ANUFAM SHARMA परियोजना निर्देशक / Project Director परिवाय भागिकीय कर्जा साहोदारी केंद्र (जी.सी.एम.ई.मी.) Global Centro for Muclear Energy Partnership (G.C.M.E.P.) प.क.चि., भारत सरकार / D.A.E., Govarnment of India ब्याहुरमङ् (क्षरियाणा) / Bahaduspark (Haryana)-124507 of the waste shall be approx. 1530 kg per day (@ 0.5 kg per capita per day for residents and students, @ 0.15 kg per capita per day for the visitor, 0.25 kg per capita per day for the staff members and landscape wastes @ 15 kg/acre/day). Following arrangements will be made at the site in accordance to Municipal Solid Wastes (Management and Handling) Rules, 2000 and amended Rules, 2008.

Collection and Segregation of waste

- A door to door collection system will be provided for collection of domestic waste in colored bins from household units.
- The local vendors will be hired to provide separate colored bins for dry recyclables and Bio-Degradable waste.
- For commercial waste collection, adequate number of colored bins (Green and Blue & dark grey bins— separate for Bio-degradable and Non Bio-degradable) are proposed to be provided at the strategic locations of the commercial area.
- 4. Litter bin will also be provided in open areas like parks etc.

Treatment of waste

- Bio-Degradable wastes
- Bio-degradable waste will be subjected to vermicomposting and the compost will be used as manure.
- 2. STP sludge is proposed to be used for horticultural purposes as manure.
- Horticultural Waste is proposed to be composted and will be used for gardening purposes.

Recyclable wastes

- Grass Recycling The cropped grass will be spread on the green area. It will act as manure after decomposition.
- ii. Recyclable wastes like paper, plastic, metals etc. will be sold off to recyclables.

Disposal

Recyclable and non-recyclable wastes will be disposed through Govt. approved agency. Hence, the Municipal Solid Waste Management will be conducted as per the guidelines of Municipal Solid Wastes (Management and Handling) Rules, 2000 and amended Rules, 2008. A Solid waste management Scheme is depicted in the following figure for the Residential Group Housing Colony Project.

अनुष्य सर्च / ANUPAIS EMARIMA परियोजना निदेशक / Project Director परिषक नामिकीय कर्जा सार्वकरी चेन्द्र (शी.सी.एम.ई.पी.) Global Centre for Nuclear Energy Partnership (G.C.M.E.P.) प.क.मि.. मारत सरकार / D.A.E., Government of India बरुबुरमङ् (हरियाणा) / Behadurgash (Naryana)-124507

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ANNEXURE-IU

SOLID WASTE MANAGEMENT PLAN

Solid waste would be generated both during the construction as well as during the operation phase. The solid waste expected to be generated during the construction phase will comprise of excavated materials, used bags, bricks, concrete, MS rods, tiles, wood etc. The following steps are proposed to be followed for the management solid waste:

- Construction yards are proposed for storage of construction materials.
- The excavated material such as topsoil and stones will be stacked for reuse during later stages of construction
- Excavated top soil will be stored in temporary constructed soil bank and will be reused for landscaping of the Residential Group Housing Colony project.
- Remaining soil shall be utilized for refilling / road work / rising of site level at locations/ selling to outside agency for construction of roads etc.

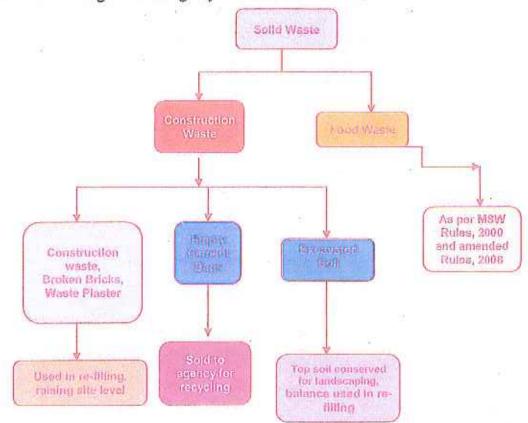


Figure 1: Solid Waste Management Scheme (Construction Phase)

During the operation phase, waste will comprise domestic as well as agricultural waste. The solid waste generated from the project shall be mainly domestic waste and estimated quantity

परियोजन निरोधः / Project Offsetor वैक्सिन नामिनीय उन्हों द्वारा के दे और ती सी.एन.(औ.) Global Centre for Nuclear Envision ariship (G.C.M.E.P.) प.ज.वि., भारत सरकार / D.A.E., & serrament of India महादुराह (हरियाणां) / Bahadurgari (Haryana)-424507

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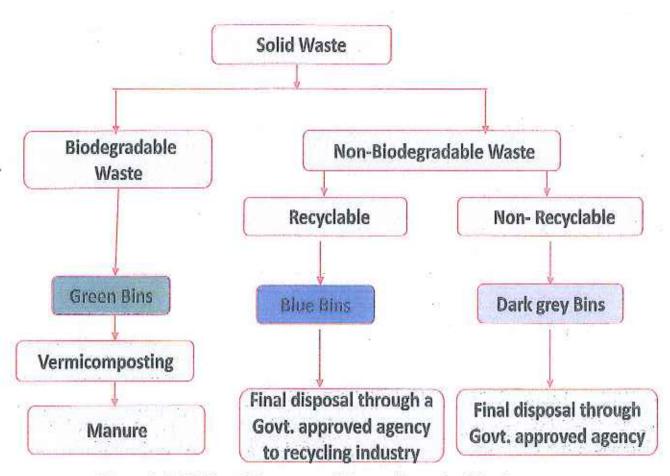
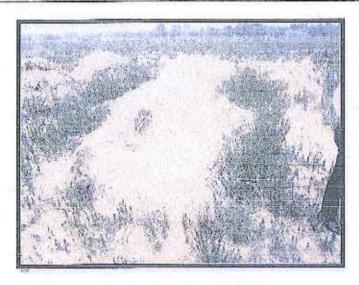


Figure 2: Solid Waste Management Scheme (Operation Phase)

अनुस्य कर्म / AMEPAM SMARMA परियोजना निदेशक / Project Director पेतिक नामिकीय कर्जा त्याहेदारी केन्द्र (वी.सी.एन.ई.मी.) Global Centre for Nuclear Energy Partnership (G.C.N.E.P.) प.क.नि., पारत सरकार / D.A.E., Government of India बाह्युराह (हिंद्यामा) / Bahadurparh (Haryana)-124507

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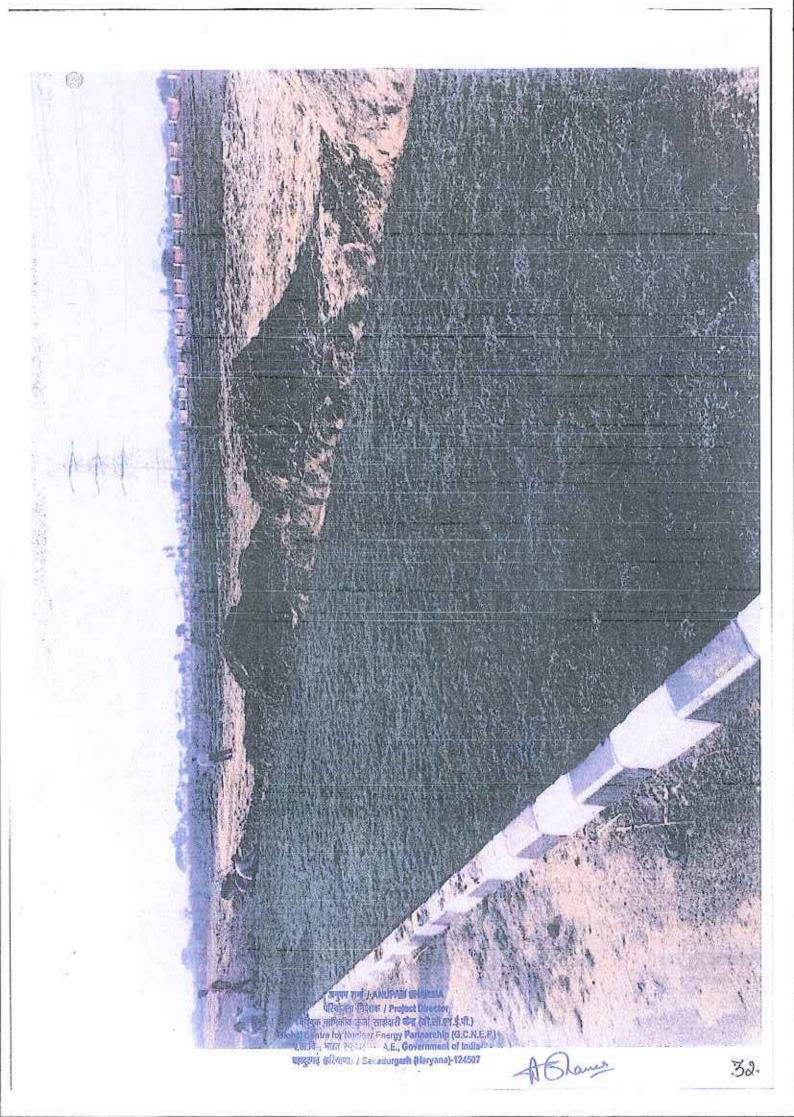
ANNEXURE V: PHOTOGRAPH SHOWING STORAGE OF TOP SOIL



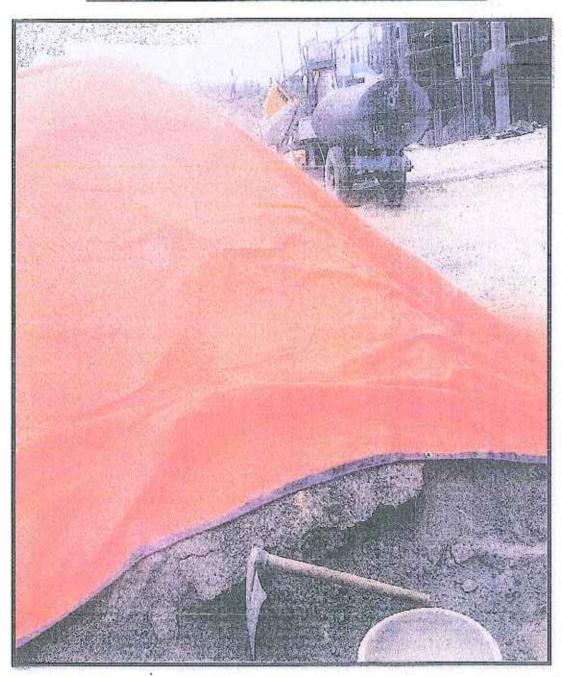


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अनुमा सर्गा / ANUPAM SHARMA परियोजना मिदेवाज / Project Director विशेवक नामिकीय कर्जा साजीवरी केन्द्र (जी.सी.एम.ई.मी.) Global Centre for Nuclear Energy Partnership (G.C.N.E.P.) ए.क.चि., भारत सरकार / D.A.E., Government of India वहादुराव (हिरेबाणा) / Bahadurgarh (Haryana)-124507



ANNEXURE VI: COVERED CONSTRUCTION MATERIAL



ABlaver

अनुपम सभी / ANUPAM SHARMA परिकालमा निदेशक / Project Director वैधिक नामिकीय कर्जा राज्येशरी केन्द्र (वी.सी.ज्य हुँगी.) Global Centre for Muclear Energy Partnership (G.C.H.E.P.) प.क.वि., भारत सरकार / D.A.E., Government of India बहादुरगढ़ (हिरियाना) / Bahadurgarh (Haryana)-124507



GRUINDIA TRAINING & ANALYTICAL LABORATORY

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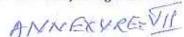
An ISO 9001: 2008, ISO 14001: 2004 & ISO 18001: 2007 Certified Co.

(Recognised by Ministry of Environment, Forest &CC (GOI) under the Environment Protection Act, 1986)
NABL Accredited Laboratory (Dept. of Science & Technology, GOI) Chemical: T-2195, Biological: T-2196

Head Office: F-375, Sec-63, NOIDA - 201 301,

Ph. No.: 0120 - 4044630, 4044660, 4323120, Fax: 0120 - 2406519

Website: http://www.prc-india.com , B-mail : info@grc-india.com , lab@grc-india.com



Test Report

Report Code: A20170227-017

Issue Date: 27.02.2017

Issued To: Institutional Campus & Residential Township,

Analysis Duration: 04.02.2017 to 26.02.2017

(GCNEP) Vill-Kheri Jasaur Jhajjar Haryana.

Sample Description: Ambient Air

RESULTS

Ambient Air Quality Analysis

SAMPLING DETAILS

Sampling Location
Sample Collected by

Sampling Protocol

Weather Condition Sampling Duration Sampling Duration for CO

Sampler Location w.r.t. Height

Sample Packing & Marking

: Project Site

: Mr. Narendra

: GRC/LAB/STP/AIR/01

: Clear Sky

: 24 Hours

: 1 Hour

: 4.0 Meter above Ground Level

: Plastic Bottle / Zip Polybag & GCNEP/FEB/A001-008

S. No.	Date	Test Parameter						
		Particulate Matter (PM2.5); µg/m³	Particulate Matter (PM10); μg/m³	Sulphur Dioxide (SO ₂); µg/m ³ IS 5182 (Part 2) :2001, Reaff.2006	Nitrogen Dioxide (NO ₂); µg/m ³ IS 5182 (Part 6) :2006	Carbon Monoxide, (CO) µg/m ³ IS 5182 (Part 10):1999, Reaff. 2003		
		GRC/LAB/STP/AIR/03, Gravimetric Method	IS 5182 (Part 23):2006					
1	03.02.2017	74.6	125.6	9.5	27.1	870		
2	06.02.2017	60.7	128.2	8.1	23.3	760		
3	09.02.2017	68.4	118.3	10.7	29.8	850 -		
4	12.02.2017	71.4	116.5	9.0	26.4	820		
5	15.02.2017	67.5	134.3	10.6	30.1	780		
6	18.02.2017	75.2	124.3	8.4	21.8	790		
7	21.02.2017	59.0	121.6	11.2	31.5	690		
8	24.02.2017	70.5	115.6	9.6	25.6	750		

कनुष्य सर्ग / ANUPAM SHARMA परियोजना निदेशक / Project Director वीचिक नामिकीय क्रेसी साहोदारी केन्द्र (बी.सी.एन.ई.पी.) Global Centre for Muchair Energy Partnership (G.C.M.E.P.) प.स.हि., भारत संस्कार / D.A.E., Government of India बाह्युकाद्र (बीरेबाणा) / Bahadurgarh (Haryana)-124507

End of Report

A Bland

Authorized Signatory (Seal & Signature)

Note:

1. The results indicated only refer to the tested samples and listed parameters and do not endorse any product

2. This certificate shall not be reproduced wholly or in part without prior written consent of the laboratory.

3. This certificate shall not be used in any advertising media or as evidence in the court of Law without prior written consent of the laboratory

4. The samples received shall be destroyed after 30 days from the date of issue of the certificate unless specified otherwise and sample for biological testing

 The samples received shall be destroyed after 30 days from the date of issue of the certificate unless specified otherwise and sample for biological testing will be destroyed after one week of testing.



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(Recognised by Ministry of Environment, Forest &CC (GOI) under the Environment Protection Act, 1986) NABL Accredited Laboratory (Dept. of Science & Technology, GOI) Chemical: T-2195, Biological: T-2196

Head Office: F-375, Sec-63, NOIDA - 201 301,

Ph. No.: 0120 - 4044630, 4044660, 4323120, Fax: 0120 - 2406519

Website: http://www.grc-india.com , E-mail: info@grc-india.com , lah@grc-india.com

Test Report

Report Code: N20170211-017

Issued To: Institutional Campus & Residential Township,

(GCNEP) Vill-Kheri Jasaur Jhajjar Haryana.

Data Received on: 10.02.2017

Issue Date: 11.02.2017

Sample Description: Ambient Noise

RESULTS

Ambient Noise Level

MONITORING DETAILS

Date of Monitoring

: 09.02.2017

Monitoring Done by

: Mr. Narendra

Monitoring Protocol

: GRC/LAB/STP/NOISE/01

Weather Condition

: Clear Sky

Monitoring Duration

: 24 Hours

S. No.	LOCATION	ZONE	2 G-25 B 50 S 1 B 50 S 2	for As Per 5 ; Leq, dB (A)	Observed Value Leq, dB (A)	
	100		Day Time*	Night Time**	Day Time*	Night Time**
1	Project Site	Residential Area	55	45	52.2	42.7
	* Day Time	6.00 a.m. to 10.00 p.m				
-	**Night Time	10.00 p.m. to 6.00 a				

End of Report

NITH WIF / ANUPAM SHARMA परियोक्त निरंगक / Project Director वेतिका नापिकी**न कर्मा सामोदारी** केन्द्र (वर्ग,सो.(१न.ई.पी.) Global Centre for Machiner Energy Partnership (G.C.N.E.P.) प.क.चि., भारत सामार / D.A.E., Government of India बाजुराव (सरेराणा) / Behadungarh (Haryona) 124507

> Authorized Signatory (Seal & Signature)

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GRC India

GRC INDLY TRAINING & ANALYTICAL LABORATORY

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(Recognised by Ministry of Environment, Forest &CC (GOI) under the Environment Protection Act, 1986)
NABL Accredited Laboratory (Dept. of Science & Technology, GOI) Chemical: T-2195, Biological: T-2196

Head Office: F-375, Sec-63, NOIDA - 201 301,

Ph. No.: 0120 - 4044630, 4044660, 4323120, Fax: 0120 - 2406519

Website: http://www.gre-india.com, E-mail: info@gre-india.com, lab@gre-india.com

Test Report

Report Code: \$20170215-017

Issued To: Institutional Campus & Residential Township,

(GCNEP) Vill-Kheri Jasaur Jhajjar Haryana.

Sample Description: Soil

Issue Date: 15.02.2017

Sample Received on: 04.02.2017

Analysis Duration: 05.02.2017 to 14.02.2017

RESULTS Soil Quality Analysis

SAMPLING DETAILS

Date of Sampling

Sampling Location Sample Collected by

Sampling Protocol

Weather Condition Sample Quantity

Sample Packing & Marking

: 04.02.2017

: Project Site

: Mr. Narendra

: GRC/LAB/STP/SOIL/01

: Clear Sky

: 5 kg

: Zip Polybag; GCNEP/FEB/SQ1

S. No.	Parameters	Units	Results	Test Method	
1	Texture		Sandy Loam		
	Sand	%	58.3 24.4	IS: 2720 (part-4), 1985 (Reaff:2006)	
	Silt				
	Clay	%	17.3		
2	pH (1:2 Suspension)	- 1	7.75	IS: 2720 (part-26),1987 (Reaff:2007)	
3	Electrical Conductivity (1:2)	μmhos/cm	398	IS: 14767(2002)	
4	Cation exchange capacity	meq/100 gm	13.6	IS: 2720 (Part-24)-1976(Reaff.2005)	
5	Exchangeable Potassium	meq/100 gm	0,23	GRC/LAB/STP/SOIL/07	
6	Exchangeable Sodium	meq/100 gm	0.42	GRC/LAB/STP/SOIL /06	
7	Exchangeable Calcium	meq/100 gm	9.59	GRC/LAB/STP/SOIL/ 08	
8	Exchangeable Magnesium	meq/100 gm	3.37	GRC/LAB/STP/SOIL/ 08	
9	Sodium Absorption Ratio	-	0.52	GRC/LAB/STP/SOIL/20	
10	Water Holding Capacity	%	24.6	GRC/LAB/STP/SOIL/13	
11	Porosity	%	36.4	GRC/LAB/STP/SOIL/19	
12	Permeability	em/hrs	2.1	IS: 2720 (Part-17)-1986(Reaff.2002)	
13	Total kjehdahl Nitrogen	%	0.03	GRC/LAB/STP/SOIL/18	
14	Phosphorus(Olsen's)	mg/kg	7.2	GRC/LAB/STP/SOIL/10	
15	Organic Matter -	%	0.32	IS: 2720 (Part-22)-1972(Reaff.2006)	

JEGIT THE / AMUPAM SHARMA

परिकेशना निदेशक / Project Director पैरियक नागिकीय कार्या साहोदारी केन्द्र (जी.सी.एन.ई.सी.)

Global Centre for Nuclear Energy Partnership (G.C.N.E.P.) प.क.वि., भरत सरकार / D.A.E., Government of India बहाइरम्ह (हरियाणा) / Behadurgarh (Haryann)-124507

End of Report

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Authorized Signatory (Scal & Signature)

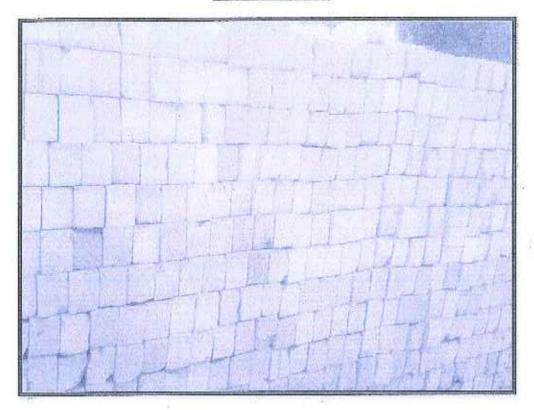
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ANNEXURE VIII



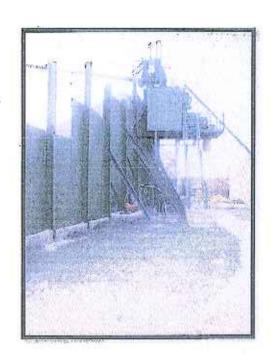
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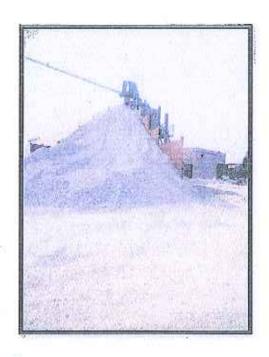
अनुषम शर्ष / ANUPAM SHARMA परियोजना निर्देशक / Project Director विकिक नामिकीय कर्जा सामेदारी केन्न (ती.सी.एन.ई.पी.) Global Centre for Muclear Energy Partnership (G.C.M.E.P.) प.क.चि., भारत सरकार / D.A.E., Government of India माधुरगढ़ (तरियाणा) / Bahadurgarh (Haryana)-124507

ANNEXURE IX



Cement storage





Batching Plant

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अपूरम वार्ग / ANUPAM SMARMA परियोजना निसंदाक / Project Director वैश्विक नामिकीय उठ्यां साईदारी फेन्द्र (जी.सी.एम.ई.मी.) Global Centre for Nuclear Energy Partnership (G.C.M.E.P.) प.क.बि., भारत सरकार / D.A.E., Government of India बहाबुशब् (हरियाणा) / Bahadusgash (Haryana)-124507

ANNEXURG-S

POWER REQUIREMENT

Power Requirement:

The total estimated power requirement for GCNEP Campus Phase-I) is 1250 KVA. The total estimated power requirement for GCNEP residential Phase-I) is 450 KVA.

Source: UHBVN (Uttar Haryana Bijli Vitran Nigam).

power requirement) for Campus area & 2 W/Sq.ft. (including AC & The energy consumption assumed is 10W/Sq. ft (including HVAC water heater power requirement) for Residential area.

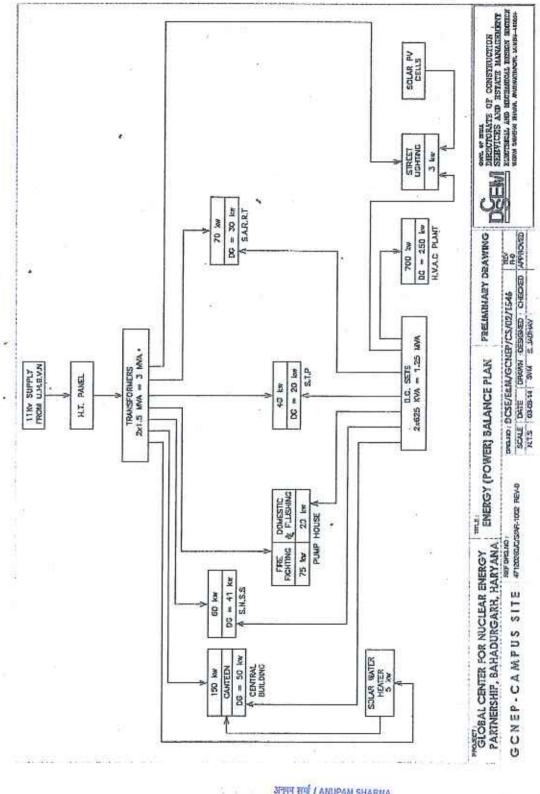
water heater power requirem

2 nos. DG set of 625 KVA capacities will be used as backup for Campus.

2 nos. DG set of 160 KVA capacities will be used as backup for Residential Township.

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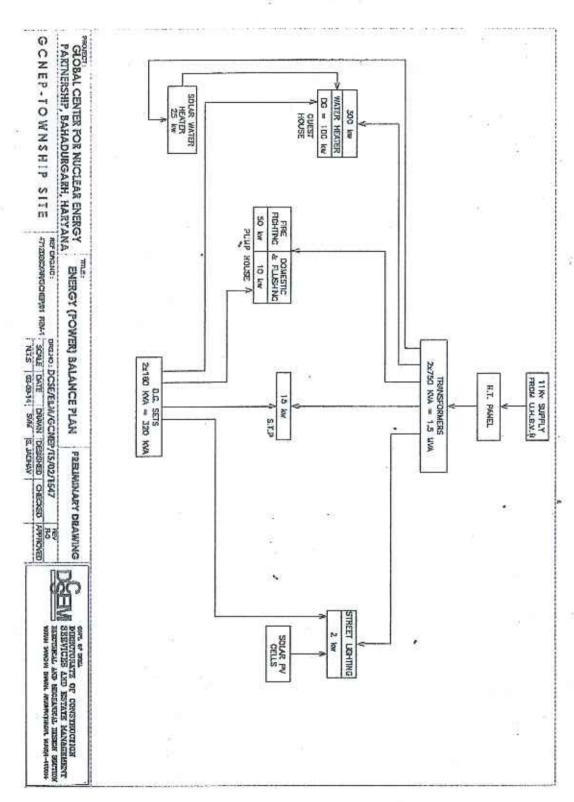
ENERGY BALANCE (CAMPUS)



अनुष्य सर्था / ANUPAM SHARMA
परिकारण निरंत्रक / Project Director
विशेक नीर्पकार कर्म साक्षेत्ररी केन्न (जी.सी.एन.ई.पी.)
Global Centre for Nuclear Energy Partnership (G.C.N.E.P.)
प.क.वि., भारत सरकार / D.A.E., Government of India

4 Asia: 11465

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अनुसन क्षमें / ANUPAM SHARMA परियोजना निदेशक / Project Director पीकिक गागिकीय कर्जा साक्षेत्ररी केन्द्र (की.सी.एन ई.पी.) Global Centre for Nuplear Energy Partnership (G.C.M.E.P.) प.क.वि., भारत सरकार / D.A.E., Government of India च्युट्रगन् (प्रियाण) / Bahadurgarh (Haryana)-124507

ANNEXURE-SI

वन मण्डल अधिकारी (क्षेत्रीय), झज्जर

बाग जॉहआरा स्टेडियम, नंबदीक DSP Residence, झज्जर दुरभाष 01251-257258 e-mail-dfolajjar@yahoo.co.in, dfolajjar@rediffmail.com

सेवा में:-

Ms. Y.S. Mayya, OS
Project Director, GCNEP
(Global Centre for Nuclear Energy Partnership)
DAE, Govt of India,
RCnD, BARC, Mumbal-85

कमांक - 3293

दिनांक:- २७ १३-०13

विषय:-

Construction of Institutional Campus and Residential Township for Global Centre for Nuclear Energy Partnership (GCNEP) at Kheri-Jassor and Jassor-Kheri village, Bahadurgarh in the State of Harvana.

संदर्भ:-

आपका पत्रांक GCNEP/81 दिनांक 26.12.2013

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उपरोक्त विषय के सम्बन्ध में आप द्वारा प्रस्तुत किये गये खसरा न0 व किला न0 में किसी प्रकार की वन भूमि शामिल नहीं हैं। इसलिये आप द्वारा प्रस्तुत किये गये खसरा न0 व किला न0 में Institutional Campus and Residential Township for Global Centre for Nuclear Energy

Partnership (GCNEP) का निर्माण करने पर इस कार्यालय को कोई आपत्ति नहीं है। संलक्ष्म' - उपरोक्ता स्वस्तार सुन्ती

वन मण्डल अधिकारी,

झज्जर।

अनुमा राग्ती / ANUPAM SHARMA परियोजना निदेशक / Project Director परियाज नागिकीय उन्हों स्वाहेशरी केन (जी.सी.एम.ई.पी.) Global Centre for Nuclear Energy Partnership (G.C.M.E.P.) प.स.चि., भारत संस्कार / D.A.E., Government of India बाह्यराज् (हरियामा) / Bahadurparh (Heryana)-124507 ABland.

MARYANA COVERNMENT DEVELDEMENT AND PANCHAYATS DEPARTMENT ORDER

Whereas the Grain Punchayat Kheri Justor passed a resolution No. 1 dated #.4.2010 for sale of its land measuring 123 Acre 2 Kanal 17 Marks fulling in khases Nos. 82/ 1(7-11), 52/2(8-0), 0(8-0), $\gamma(8-0)$, $\mu(6-0)$, $\theta(6-0)$, 10(8-0), 11(8+0), 12(6-0); 13(6-0), 14(6-0), 15(0-0), 16(8-0), 17(8-0), 16(8-0), 19(8-0), 20(8-0), 21(8-0), 22(8-0), 23(8-0), 24(5-6), 25(6-0), 83/1 (5-0), 2(5-0), 3(5-0), 5(5-15); 6(5-10), 7(5-12); 8(8-0), 8(8-6), 10(0-0), 11(7-12), 12(5-0), 13(0-0), 14(5-14), 15(5-0), 16(4-18), 17(6-12), 18(0-0), 16(8-1), 20(7-12), 21(7-12), 22(8-0), 23(6-0), 24(7-11), 25(3-18), 84/ 5/2 (2-6), 8(8-10). 15(0-0), 02/5(7-2), 6(8-0), 15(0-0), 16(9-0), 17(6-0), 18(8-0), 93/3(7-11), 1(7-11), 5/1(1-3), 1(7-3), 2(7-11), 5/2(3-4), 6/1(2-12), 11(7-12), 12(5-0), 13(6-0), 14(6-0), 16/1(2-6), 16/2(2-0), 16/1(1-14), 16/2(2-14), 17(6-0), 16(6-0), 6/2(1-16), 7(6-0), 0(0-0), 9(0-0), 10(7-12), 10(0-0), 20(7-12), 21(0-0), 24(0-0), 25/1(3-4), 25/2(1-4), 94/ 1(0-0), 2(0-0), 3(0-0), 4(0-0), 5(0-0), 6(0-0), 7(0-0), 8(0-0), 8(0-0), 10(0-0), 11(0-0), 12(6-0) 13(6-0), 14(6-0) 15(6-0), 17(6-0), 16(6-0), 16(6-0), 20(6-0), 62/16(7-4), 25(8+0), 63 / 21(9+18), 22(4-16), 115 / 1(8-0), 2(6-0), 3(0-0), 8(8-0), 9(8-0), 10(7-6), 11(7-2),12(0-0),13(8-0), 17/3(2-2), 18(6-0), 19(6-0), 20(6-4), 21/2(4-12), 22(6-0). 23/1(0-13), 116/6/2(0-16), 126/1/2(2-0), 2(7-12), 3/1(3-11), 9(6-3),10/1(6-1), \$4/21(0=0), 22(0=0), 23(0=0), 24(0=0), 81/1(1=0), 2(0=0), 3(0=0), 8(0=0), 9(0=0), 10(0=0), 11(0-0), 12(0-0) & 12(0-0) and the Grant Panchayar-Jasaus Kheri, Block Balladurparh, District thallier pessed a resolution No. 1 dated 8,5,2010 for sale of its had the saiding 83 Acre 4 Kanul 16 (4) \$10 falling in Khasra No. 92/12(8=0); 52/15 (9=0) 82/5 (8=0); 52/0 (9=0). 65/20(6-0) 83/8(6-0), 63/7(6-0), 65/6(8-0), 64/8(8-0), 64/9(8-0), 65/11(8-0), 68/(2(0+0), 82/1(0+0), 82/20(0+0); 82/21(0+0); 82/10(0+0); 82/22(1+0); 82/10(0+0); 162/(1(6=0)); 4d/22/2(4=0); 3d/23(6=0); 3d/23(6=0); 3d/25/1(6=14); 60/19(6=0); 50/20(6-0), 64/1/2(4-0), 64/2(6-0),64/2(6-0), 64/6(6-0), 64/7(6+0), 100/3(6-0), 100/4(0-0);100/7(1-10), 100/0(1-10); 65/1(1-0); 51/2(0-0); 61/3(0-0); 61/4(10-8); 66 /2(6-0); 64 /4(0-0),64 /6(6-0); 61 /16(6-0); 61 /17(6-0); 61 /24(6-12); 51 /25(6-0); 60/21(6-0); 50/22(8-0); 60/23(6-0); 50/6(6-0); 60/11(8-0); 50/12(8-0) 50/13(8-0),64/16(8-0); 64/17(6-0); 64/18(8-0); 64/18/16(-0); 64/22/2(3-18); 64/20(0-0), 64/24(6-0), 64/25(0-0), 66/21(6-0), 51/16(11-2), 50/24(5-0), 60 / 25(7-12). 64 / 12(6-0). 64 / 13(5-0). 84 / 14(0-0). 64 / 16(6-0), 95 / 8(6-0). 82/18(6-0), 82/23(0-0), 100/1(8-0), 100/2(8-0), 100/8(1-2). 100/10(0-18), 100/5(8-0), 100/8 (1-7), 82/24(8-0), 82/25(8-0), 82/14(8-0), \$2/7(0-0), \$2/15(8-0), 50/16(0-0), 50/16(0-0), 51/7(0-14), 81/16(8-0), 51/9(0-0). 51/12/1(2-0), 51/13/1(7-2) & \$1/14/1(3-2) (total area of bod; the Gram Panchayats is 206 Acro 7 Kanal 13 Maria) to the Department of Atomic Energy, Government of India for the purpose of establishing Centre of Excellence for Global Deployment of Nucleur Energy at Marcel out

> अनुसर सर्गा / ANUPAM SHARMA परियोजना निदेशक / Project Director बेनियक मानिकीय उन्हों साझीदरी केन्द्र (जी.सी.एन.ई.पी.) Global Centre for Nuclear Energy Partnership (G.C.M.E.P.) य.उ.वि., गारत सहकार / D.A.E., Government of India ब्याह्माद (हरियामा) / Bahadurgarh (Haryana)-124507

From,

Fire Station Officer, Bahadurgarh(Jhajjar)

Director. Harvana Fire Service, Bays No.11-14, Sector-4, Panchkula (Haryana)

No. 168185B

Approval of part fire fighting scheme Educational Building of School Of Nuclear Security Studies (SNSS) of Global Center for Nuclear Energy Partnership (GCNEP) in the Village-Kheri Jassaur and Jassaur Khari Tehsil-Bahadurgarh Distt, Jhajjar (IIR).

Global Center for Nuclear Energy Partnership (GCNEP), Village - Kheri Jassaur and Jassaur Khari Tehsil-Bahadurgarh Distt. Jhajjar (HR) has applied the subject cited above ease for approval of fire fighting scheme of Educational Building of School of Nuclear Security Studies (SNSS) from fire safety point of view.

I have inspected the site and examined the fire fighting scheme in the above said brilding (Shown in plan and Questionnaire) and found that the building having Maximum Height of Building is 16.15 mtrs, Occupied Height is 13.15 mtrs and Total Plot Area is 522515.73 Sq. mirs and Total plot Area of Education building is 7552.74 sq.mts and covered area of building is 2175.26 sqm. Proposed Fire Fighting scheme of the building as per National Building Code of India 1983 Part-IV Revised 2005 and type of occupancy group-B. Sub B-1(ii). Detail of Proposed fire fighting scheme as under:-

Sr. No	Installation norms as per NBC	Required	Proposed Installation of fire fighti scheme			
1	Fire extinguishers	Yes	Yes			
2 .	Hose Reel	Yes	Yes			
3	Under ground water storage Tank	NA	Yes cap. 50 KL			
4.	Terrace water Tank	Yes	Yes chp.10 KL			
5.	Down Comer	Yes	Yes provided			
6	Yard Hydrant	Yes	Yes			
7	Pump	Yes	Terrace Pump 450 LPM			

The Proposed part fire fighting scheme in the building were checked and found as per National Building Code of India 1983 Part-IV revised 2005. I recommending above said case for approval of part Fire Fighting scheme of Educational building so that permission of part Fire Fighting Scheme can be issued to the applicant.

Bahadurgarh (Jhajjar)

अनुपंत सर्वा / ANUPAM SHARMA परियोजना निदेशक / Project Director वैश्विक गामिकीय कर्ना साक्षेत्रारी केन्द्र (जी.सी.एन.ई.पी.) Global Centra for Nuclear Energy Partnership (G.C.N.E.P.)

प.क.वि., भारत सरकार / D.A.E., Government of India बहादुराद ((रिस्ताना) / Bahadurgum (Huryano)-124507

From,

Fire Station Officer, Bahadurgarh(Iliajjar)

To.

Director, Haryana Fire Service, Bays No. 11-14, Sector-4, Panchkula (Haryana)

No. 169/AB

Will was

Dated 07.05-2015

Subject:-

Approval of part fire fighting scheme Residential Building - Guest House Block A of Global Center for Nuclear Energy Partnership (GCNEP) in the Village-Kheri Jassaur and Jassaur Khari Tehsil-Bahadurgarh Distt. Jhajjar (HR).

Global Center for Nuclear Energy Partnership (GCNEP), Village - Kheri Jassaur and Jassaur Khari Tehsil- Bahadurgarh Distt. Jhajjar (HR) has applied the subject cited above case for approval of part fire fighting scheme of Residential Building for Guest House Block A from fire safety point of view.

I have inspected the site and examined the fire fighting scheme in the above said building (Shown in plan and Questionnaire) and found that the building having Maximum Height of Building is 10.7 mtrs, Occupied Height is 7.8 mtrs and Total Plot Area is 424021.48 Sq. mtrs and Total plot Area of Guest House Block A building is 7748.35 sq.mts and covered area of building is 1261.65 sqm. Proposed Fire Fighting scheme of the building as per National Building Code of India 1983 Part-IV Revised 2005 and type of occupancy group-A. Detail of Proposed fire fighting scheme as under:-

Sr. No	Installation norms as per NBC	Required	Proposed Installation of fire fighting scheme		
]	Fire extinguishers	Yes	Yes		
2;	Hose Reel	Yes	Yes		
3.	Terrace water Tank	Yes	Yes cap.10 KL		
4.	Down Comer	Yes	Yes provided		
5.	Internal Hydrant	Yes	Yes		
6.	Pümp	Yes	Terrace Pump 450 LPM		

The Proposed part fire fighting scheme in the building were checked and found as per National Building Code of India 1983 Part-IV revised 2005. I recommending above said case for approval of part Fire Fighting scheme of Guest House Block A building so that permission of part Fire Fighting Scheme can be issued to the applicant.

Fire Station Officer, Bahadurgarh (Jhajjar)

अनुष्य सार्थ / ANUPAM SHARMA परिवर्षका निर्देशक / Project Director परिवर्क गानिकोन उन्तर्ग साईबरी बोचा (जी.सी.एन.ई.पी.) Global Centro for Nuclear Energy Pattnership (G.C.M.E.P.) प.स.चि., भारत सरकार / D.A.E., Government of India बाबुराद (वरियाला) / Bahadurgurh (Haryana)-124507

ANNEXURE - SILL
Date: 26th December 2013

Ref. GCNEP / Reselfor

To
Project Director, GCNEP
Reactor Control Division,
Bhabha Atomic Research Centre
Mumbai.

Sub: Construction of Institutional Campus and Residential Township for Global Centre for Nuclear Energy Partnership (GCNEP) at KheriJasaur and JasaurKheri village in the State of Haryana

· Electric Supply for GCNEP Campus & Township

Ref: 1. Your letter dated 26.12.13 and Check list received from State Environment Impact Assessment Authority (SEIAA).

Dear Sir.

This is to assure you that the necessary Electricity supply shall be provided for, both the sites at Kheri Jasaur Rheri villages, for setting up GCNEP project.

EDOU HBVN, Bahadurghar, Haryana.

Holans

अनुषम सर्गा / ANUPAM SHARMA परियोजना निदेशक / Project Director वेश्विक निर्माण निदेशक शिक्षांत्र कर्ज (श्री सी.एन.ई.पी.) Global Centre for Nuclear Energy Partnership (G.C.N.E.P.) प.स.पि., भारत स्टेश्कर / D.A.E., Government of India व्यादुश्यत् (हरियामा) / Bahadurgarh (Haryana)-124507



परमाण ऊर्जा विभाग

Department of Atomic Energy वैश्विक नाभिकीय ऊर्जा साझेदारी केन्द्र

GLOBAL CENTRE FOR NUCLEAR ENERGY PARTNERSHIP



Y. S. Mayya, OS

Project Director, GCNEP Date: 26th December 2013

Phone: +912225595204

Ref: GCNEP / 83

To have been been to be a compared to the The Chairman, SEIAA PerytanBhawan 1st Floor, Sector-2, Panchkula Tel: 0712 2565232

Sub: Construction of Institutional Campus and Residential Township for Global Centre for Nuclear Energy Partnership (GCNEP) at KheriJasaur and JasaurKheri village in the State of Haryana.

- Submission of Form-1, Form-1A, Environmental Management Plan and Conceptual Plan for Environmental Clearance

Ref: 1. Department's proposal submitted on 30 October 2013.

2. Check list received from State Environment Impact Assessment Authority (SEIAA) dated 06.11.2013 received on 09.12.13.

Department of Atomic Energy, Government of India decided to set up institutional campus and residential township for Global Centre for Nuclear Energy Partnership (GCNEP) project at KheriJasaur and JasaurKheri village near Behadurgath, in the State of Haryana,

The details of the project were submitted to your office with reference to point no.1.

Further as per the prerequisite in check list above referred at point no.2. We Undertake the following:-

(I) That no construction has been started at the site along with latest attested photograph.

(ii) That we will not encroach the revenue rasta passing through the project area shown in the zoning plan and layout plan.

(iii) That we will keep the ROW required for HT wire passing through the project area as per Government Instruction.

(iv) That we will not use ground water for construction and will use treated water confirmation the ISI standards for building construction.

That we will use ultra low sulphur diesel, ...

(vi) That provision for Helipad shall be made in case of the building having height more than 6 meter. Provision of atleast one Hydraulic ladder for high rise building shall also be made.

The infrastructure will not obstruct or divert the natural flow of water covered or open nallah, drainage of rain water as per natural flow of water.

Thanking you Yours faithfully

Reactor Control Division, Bhabha Atomic Research दिलाए स्टेशक । Project Director Tel: 022 2559 5204

E-mail: ysmayya@barc.gov.in

Y. S. MAYYA

Project Director, GCNEP DAE, Govi, of India

RCnD, DARC, Mumbal-B5:14

वाई एस. मध्या । चक नामिकीय कार्जा साहोदारी केंद्र (जी.सी.एन.ई.पी.)

il Centre for Nuclear Energy Parthership (GCNL 6)

भारत सरकार | Government of India कृष्टर निवंत्रण क्रमण । Reactor Control Division

THE MARY MARY

परियोजना निदेशक'/ Project Director

विकित नामिकीय कर्ज साहेग्रही केंद्र (जी.सी.एन.हे.पी.) bel Contre for Nuclear Energy Pagnerahip (G.C.N.E.P.) प.क.चि., भारत संस्कार J.D.A.E., Government of India

बहादुरम् (हरिसामा) / Bahadurgarh (Haryana) 124507

Global Centre for Nuclear Energy Partnership
Reactor Control Division

भारत सरकार



Site Barricade with High wall

अनुमा सर्ग / ANUPAM SHARMA परियोजना निदेशक / Project Director वेश्विक गामिकीय कर्जा सामेकारी केन्न (जी.सी.एन.ई.मी.) Global Centre for Nucleur Energy Partnership (G.C.N.E.P.) प्र.क.चि., भारत सरकार / D.A.E., Government of India बहादुरगढ़ (हरिमाणा) / Bahadurgurii (Haryana)-124507

ANNEXURE XIV





Water Sprinkling at Site.

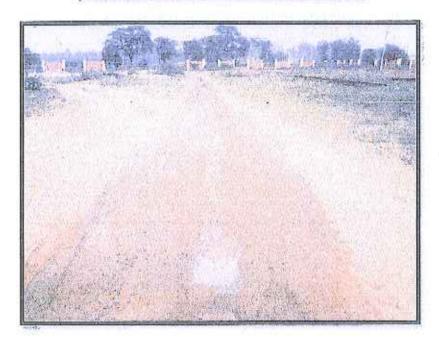
No.

अनुष्ण सम्म / ANUPAM SHARMA परियोजना निरेशक / Project Director वैश्विक मानिकीय कर्जा लाहेटारी केन्द्र (जी.सी.एन.ई.पी.) Global Centre for Nuclear Energy Partnership (G.C.N.E.P.) प.क.चि., भारत संरकार / D.A.E., Government of India बहादुरमङ् (हरियाना) / Bahedurgarh (Flaryana)-124507

ANNEXURE XVIII







A Come

अनुषम सर्च / ANUPAM SHARMA परियोजना विदेशक / Project Director परियक नामिकीय उन्तों स्वाहेदारी केन्द्र (जी.सी.एन.ई.पॉ.) Global Centro for Nuclear Energy Partnership (G.C.M.E.P.) प.क.चि., पारत सरकार / D.A.E., Government of India महादुरगढ़ (हरियाणा) / Bahadurgarh (Haryona)-124507

MASTER PLAN - INSTITUTIONAL CAMPUS

32.73 ha

SNSS

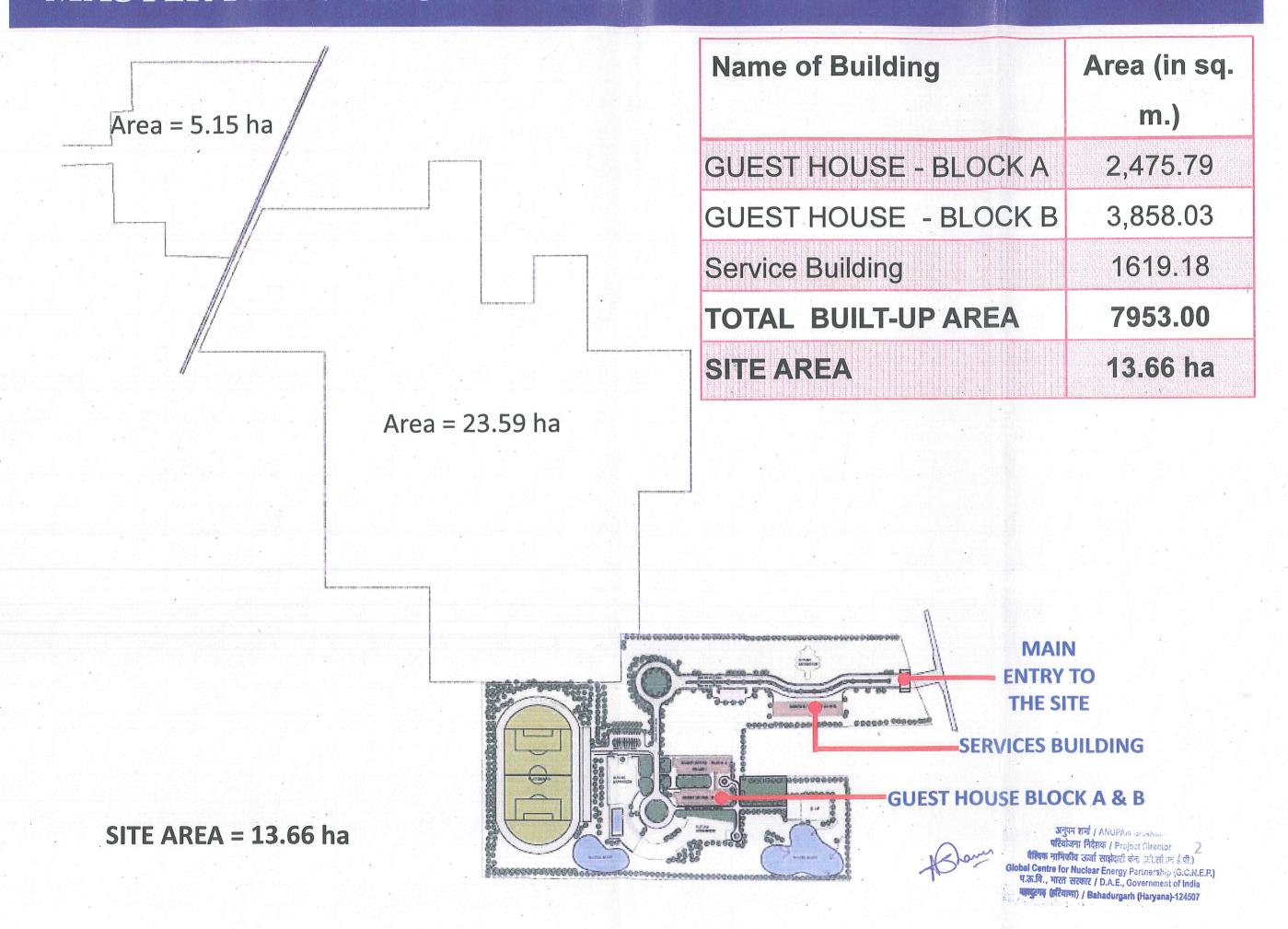
SARRT

SITE AREA

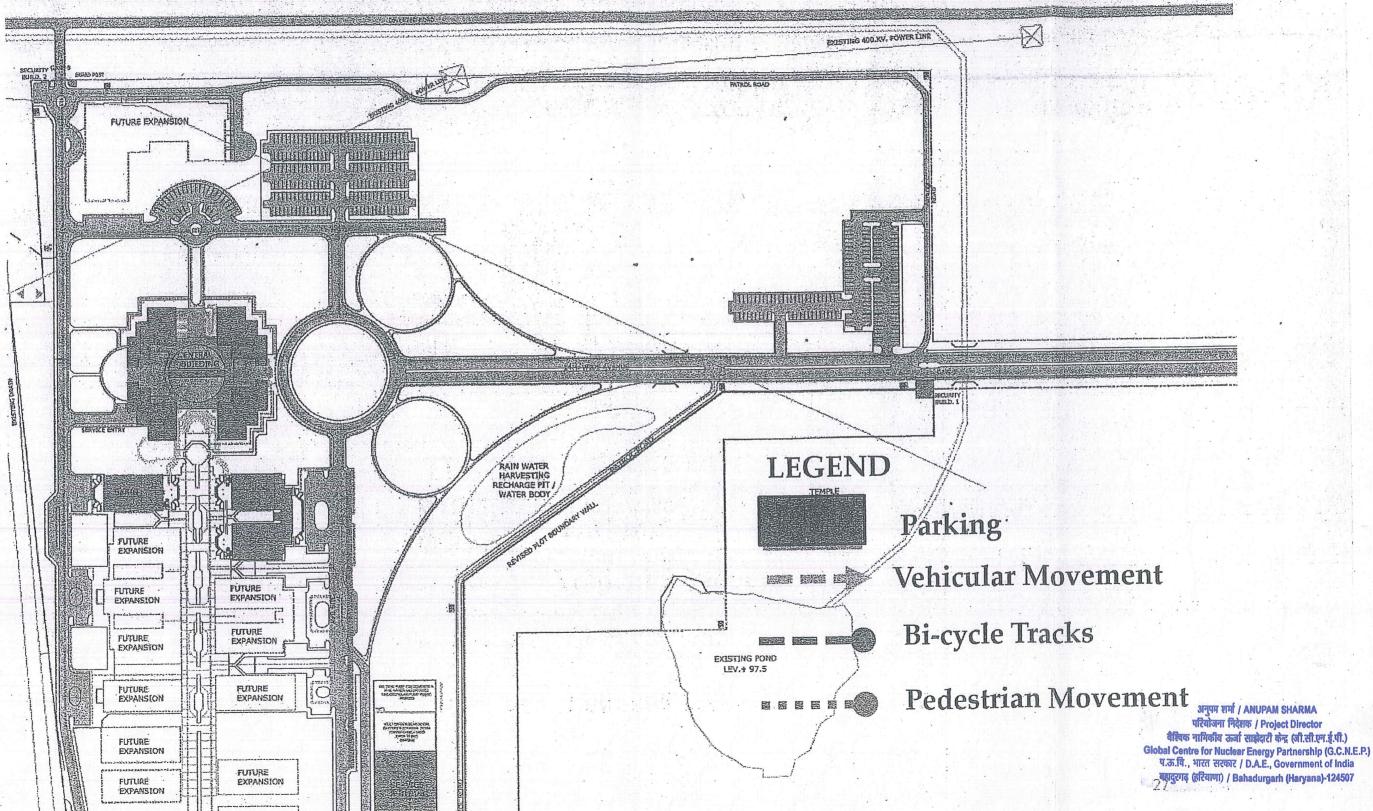


SITE AREA = 32.73 ha

MASTER PLAN - RESIDENTIAL TOWNSHIP

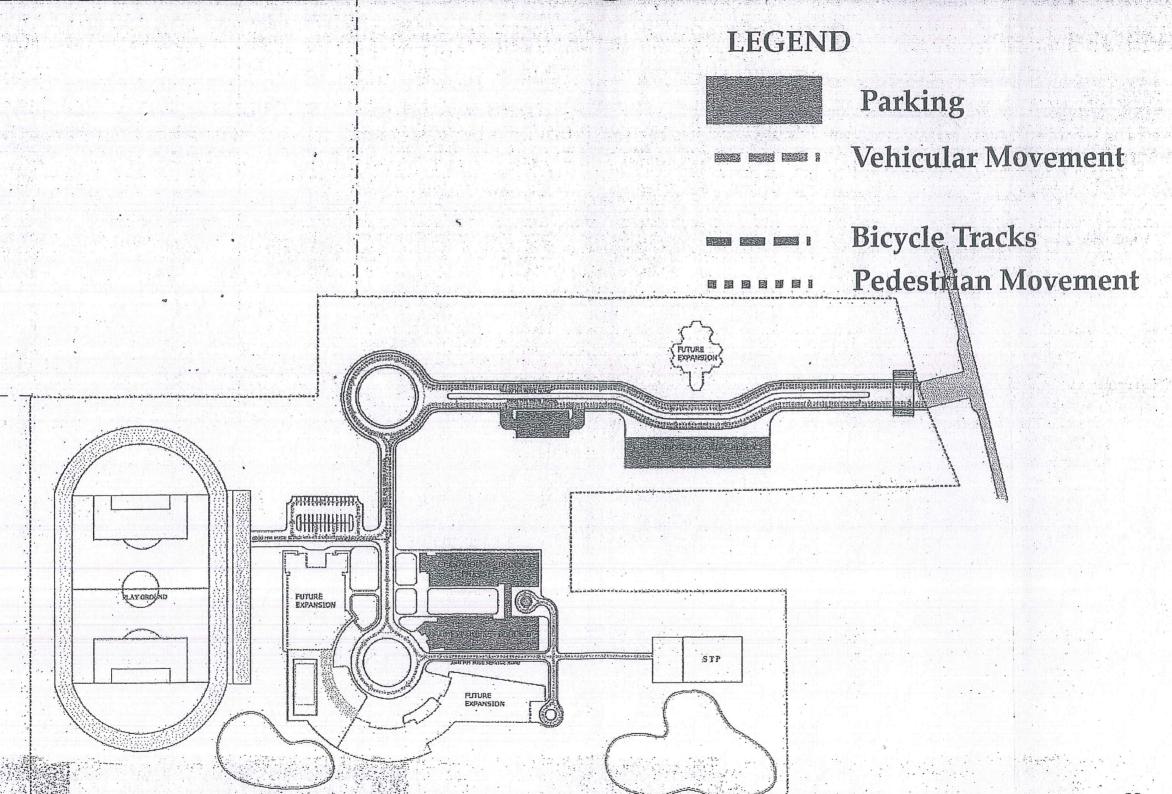


PARKING & CIRCULATION MASTER PLAN – CAMPUS



A Brauns

PARKING & CIRCULATION MASTER PLAN -TOWNSHIP

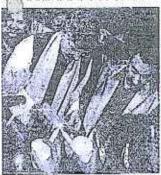


28

अनुष्य सर्गा / ANUPAM SHARMA
परियोजना निदेशक / Project Director
वैश्विक नाभिकीय ऊर्जा साझेदारी केन्द्र (जी.सी.एन.ई.पी.)
Global Centre for Nuclear Energy Partnership (G.C.N.E.P.)
प.ऊ.वि., भारत सरकार / D.A.E., Government of India

शस्त्रेलिया - प्रेटन - अमेरिस मे - श्रुप्तेले - प्रदर्धी - प्री- प्रस्तरी में - श्रुप्तेले - स्थानिक - सामाना

धाल न्दासता न्समाप्त करने का शंकल्प



युर्वे न केवेल पुरस्कार विशेष केवाल माध्य के आहे हैं जी उनमें कहा और कारण में जान की मास का का सम्बद्ध की

पूर्व-केंद्रीय-मंत्री-का-करीबी वाखिलेकेनान् बताकर-है--लाख-ठगे

सार पंजाता स्थापे महं स्थापकी पूर्व केंद्रीय स्थापित स्थापकी स्थापकी

संबो-के पूर्व परिकासी भूमियर-जानमे अर्द्ध भितानी जॉ पर्वेट विराहते के राम पर दिया व्यानांस

जीवकारियो - के पुर्वाचिक - गीताला श्रमेंट - गिर्दानी -प्रारियमा - शिक्सी पुरुषीयम् स्ट्रम् मियस

अन्यास्त्र प्रशोधन का निरास विद्यानिक नीट - पुरू वैद्यानिक नीट - पुरू वैद्यानिक नीट - पुरू विद्यानिक नीट - प्रशासनिक अपना - कि - में स्थासनिक नीट अपना - के - में - द्यानी - मुस्तक्ष वृद्यानिक नीट - पुरु के क्या स्थास के नीट - में स्थासनिक - प्रशासनिक के - में - में - द्यानी - पुरु के क्या स्थास के नीट - में - मूर्च क्यानिक - प्रशासनिक - प् गिर्के-सम्बद्ध-स्थान-स्थान-सामे -साथ गम्हमार – स्थापन-और - सहस्र

सजा चटाई "

A. musel

वर्तुं दिल्ली - प्रश्तोतः । मन्तुं का दोला में मेरद भारत की निर्माणी से आके को कोक के मुस्कर्त पर दिला मेंद्रियतः स्रोत के कर

पुरत्या ने पुरत्या ने पुरत्या ने पुरत्या ने बहुद प्रमाध्य पुरत्या ने प्रमुख सम्बद्धी को भी अग्रोक महार्थ है।

पर **१ - लाख** ऐंठे

विकास कार्य के किया कार्यों को देखते कार्य में कर्क है के सिकार के सिकार कार्य में कर किया किया किया के साम कर कार्य में कर के सिकार करने हैं। तो कार्य करों के सिकार करने हैं। तो कार्य करों के सिकार कार्य के सिकार के सिकार कार्य के सिकार क

टेकेदार ने किया

नारहुता स्ट द्यं में देखों - यहंश संविधाने इत्यों में नहीं ने देखाने का सामा पार्टा कार्य संविधाने केंद्राय है जो संविधान केंद्री के प्रदेश का नार्यों की द्वारा में देखेया कार्या को नार्य किया है।

বিষয়ের পানর বারী কর প্রায় ও বিজ্ঞান বহু পানর হঁ। বুলির কা সন্মান্ত কেরিলালালাকী করেই কালি বারু প্রতি বারু করেন ক্ষেত্র কালি বারু করেই কালি পান্তা কাল প্রত্নালী কলেই হা।

महिला खे रेप

जीजा "ने "किया "दुष्कर्म "

मनी लॉन्डिंग मामले में चार्जशीट चाखिल

पहुँ हिस्सी - व्यूके एनेली । स्वाप्त-निवेद्याप की ने क्षिता की पार्टेक प्राप्त की स्वाप्त के पार्टे दे कहें स्विद्ध के अधीर में अमुक्ता भी एक केरने कोट बार लोगों के कीटका दिल्ली के अध्यक्त दे मार्टिक प्रियुक्त कि है। आहेरी आहेरेला ब्रिटेक अधीरता व भारत कृष्ण जी इन्होंगीय गत देश हैं को व में आदींगों उस करते पन से स्वेच्ट पान के महाते औ अने सारी-अर्थ हैं। हैंडी-के सहयक विदेशक पन

आहेरी आहेरेका विशेष अधिका संपूर्ण अस्ति अधिका अस्ति हैंने संभाव में नारणी जी अस्ति हैंने संभाव स्थान स्थान संभाव के स्थान हैंने ने अपूर्ण निवास नार्योंने हिंदी ने अपूर्ण ने स्थान नार्यों के सिंदिया निवास ने स्थान निवास नार्यों के स्थान ने स्थान स्थान नार्यों नार्यों के स्थान ने स्थान नार्यों के स्थान ने स्थान ने स्थान नार्यों के स्थान ने स्थान ने

हुँदे के सहयक विशेषक पन विद्रालय के बादा कि मोतायहीं बादान के बादा के दूसी हुई के सहयों के जीता हुए करते बादुक कुछ का है। विद्रालय के दिए का अपने अपने अनुसार के दिए आहेरी, की विद्यालय के स्वालय का की किएका के समावाद भारती का अस्तिम सिंध नय भारती ने स्थानक से कार्य कि भारता माध्यात को कार्या के कारता पातः कीर कार्युक्तिक के चीतः पतः कार्यातक के अभैध व्यापः में महिता थी। आपने पत्री प्राप्तः की ककती के प्राप्तः पत्र को कारता के पात्री पत्रिक्त पतः में परिवर्णिक करने की

न्यूज डायरी

अदालत को दिखाया विवादित इंटरव्यू

जनपासा पर १० रहा मा १५४१ मा १५४६ र जमर स्था है तहे ने सुकार के सार क्षेत्रक र जमर स्था है सहते भी कृत्य के सार क्षेत्रक र तो नक्क ने राज्ये इतात नक्क ना क्षित्र सम्बद्धार में बहे तह वहीं सी क्षत्र को ने से प्रकार के स्था कर स्था किया के स्था के इतात है सा एक न्यूक्तिक स्था के स्था के स्था कर स्था के सा उसके कर स्थान है स्था के स्था के स्था ने स्था के स्था के सी नुकार के साम अस्थान क्षत्र क्षत्रक के प्रकार के स्था के सी नुकार के साम अस्थान क्षत्रक क्षत्र के सा के स्था

डराक जाएगा श्रतिनिधिगंडल

न्त्रं दिस्ती-व्यूर्व-। स्राप्तः कृत् कार्यात्तं का भाव स्वयमे के दिन के जुनन ए नेदरी-का कर करम्याव को विकास करक अस्तवा के कारण प नेदर्भ का का नारकोर को विधियान काम के प्रशास के असल विध्यन के में में का मोत्री पदा असल काम के भा कामों की हैं पूर्व में से अव्यक्ति के मीत्र पर प्रमान मंत्रि मंत्रात के में विध्या मात्रात मंत्रात के प्रशास के मीत्र के आई के भी के प्रशास के मात्र के मीत्र का प्रशास मंत्रात के प्रशास के प्रशास के मीत्र के

को नोटे पा नेपन को भार कहा थे थे। विरोध करने पर काम ने जनमें दुक्तों किया। देखा तरहे ही यह मंद्रिक के पान मान्य हो जुल्ला के कियो है जो नियानदेश पा मंद्रिक के था। यह पहिल्ल हो नोडिक जेरी अर्थक का हो जुले थे। धनंजय सामले में सुनवाई दली

वर्ष दिल्ली-स्पृते । तीकावदै साम्र-के व्यवलं भे कार्क्ये भूते सहस्य न्हांबद भवत्वत्व सिंह क्षेत्र कार्क्यकार्य कार्क्य का कि मेह के कितन की बात को बाति का पान पुरु को के को तो कि को मेह की की कि किता की बात पालारी को के के कहता कहते के कि किया की की राजने की कारते कुमार्थ कर किया को है कि

📵 अपित्रवाम स्ताव অভানত (মানাক কার্মান) (বুলি বা বালিন। ।
স্বাহান কার্মান। বিলামন বুলিকারি, এর
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वाद्ध्य कोवलक्ष्मान विभाग इन्हें भावसार अस्तर में सहस क्ष्म नारक्षण विकास निकास आरोकार के प्रीय नात किंद्री प्रतिपाद के प्रीय किंद्रीय के जोत थे और हैं, प्रत्य प्रत्य के जोत थे और के प्रत्य के जोत थे और के प्रत्य के नार्व के जोत थे और कार्य के जोता के किंद्र को मिन करने किंद्र के जीता के जीत कार्य के में के कार्य के किंद्र के जीता किंद्र के कार्य के किंद्र के जीता के भेटन

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कार्यालय जिलाधिकारी, गौतमबुद्धनगर

प्रकार कोश(१) को अवव्यवस्थान कि विशेष ११.११ ११.११ ११.४० आरण्यात्त्रीय विशेष विशेष विशेष पुरत्ते व रिक्ष कार्य देश विशेष विशेष १०११ ११.१००४ की अवस्था १०.३०० को पर १४वीर को जार्य के प्रकार १९४१ ११.११.११.१४ १४ १४ १४ ४४ १४ १४ १४ वर्षियों के जार्य करोबंद्द विशेष अशा विशेषकों १ विशेष के कार्य में बार्य ine animal strangers is

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त्याती पर्वे क्षूति हेत् सहस्र १३ क्या सं.)	स्वरित 333% (का मी.मी.) क्या ही क्या मानान 2,300 कि सा. क्या ही अल. १४४४ (का मुक्त 500 स. १४५५ मी माना १४ मीताल अल होना मानित, करा पुराने मानी मा प्रमान समे होना प्रतित्।	हः ३०,८००। श्रेक श्रुव्यः चित्रप्रिकती कोशसूद्धास्यः दि एत में तीराज्ञ ग्रहेरेय की

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जेल अधिकारियों के खिलाफ खयान दर्ज - धौला कुआं गैंग रेप चीपी की मध्यक्ष इस-प्रमाते में दर्जनमाए । स्व

गई दिल्ली। याचेतुः के गाउप विश्वपत्र कृतारिकान करण कर लेपी और तक के मानते में आंखे क्षा अन्य कर्म कर्म न ज्यान अरहोक क्षा पर्योद सुन् यात्रास्त में रोग में हुई प्रतीद की बिकार के शिक्षीपते में, श्रीना की अक्षा बच्चा वर्ष काया शानि अपने सच्चा में प्रकारित व्यक्ति हिस्सा के सेमा निराह की नेस नंबर के में केलान्द्र राज राजा आसम पूज्यु-प्रशासन्त संदेश-रेश-से दर्श करार प्रयाप-

आहेकी आहेक्कांचि नै महादेट की की। प्रवास कवार मण्डे मो बेटे बार

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आरत सरकार

स्वयं इति स्वातं संदर्भ नेता है। स्वयं क्रिक्स मार्थितं के आहेते हैं। इनके स्वयं आविकार ने प्रश्लेष्ट को नो १९३६ मार्थ्य विकार नेता के संभ्यानकार्य के स्वातं विकार नेता के संभ्यानकार्य के स्वातं के स्व

युक्ते हो यह दिलांगत रेक्क गर्था था श्रोत अस्त्रे - दिलांग विभागीय जांग

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स्वाधित नार्या है। पूर्ण तों के अपूर्ण ने पूर्ण तों के अपूर्ण ना स्वीध प्रदेश में पूर्ण तों के अपूर्ण ना संक्षा में पूर्ण तों के अपूर्ण ना संक्षा में पूर्ण तों के अपूर्ण ना में मार्थ में बारों के अपूर्ण के अपूर्ण में पूर्ण में के अपूर्ण पूर्ण में भी तों में के अपूर्ण में कार्य में मार्थ में पूर्ण में मार्थ मार्थ में के अपूर्ण में मार्थ मार्थ में के अपूर्ण में मार्थ में के अपूर्ण में मार्थ में के अपूर्ण में मार्थ में के अपूर्ण मार्थ में के अपूर्ण में सडक 'पार 'कर 'रही 'नहिला को दैवटर ने चुचला •

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क्ष्मित्यानी किया नेता प्रमुक्तमा के प्रोत्से इस पंतन-प्रश्नेति उत्तर-दे अवस्थान केतु देव वार्य यो पूर्व करते केतु हुए 11,100 वर्ष के लेलने की तिव प्रश्निक उत्तर-2004 की क्षमीता निकार में 1929 करते दिल्ली अपन्य अपने के स्त्रेण में विकार के प्रत्येश अस्तिन दिल्ली अस्त्र अस्त्र में दर्शिक

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एक्केडीएवल, पशुकाना

कार्यालय मिन्ना पंचायत राज अधिकारी, धीरधनुदुनगर गाः १४२/२४ जीकार्यकरित्रशय-१३ - हर्याः ११.११.२०१४ विद्यापि

विश्वविद्याः २०१८- वैद्यासमूहरूचा ये साहत्व व्याप्त विद्यानं के विद्यान दिक्तामानं सेतृतिका वोद्योत्यन वार्यव्यक्त को तैनती हिरीय के बांधान का निक्त द्यारकाः क्षेत्रीयः वेद्यान्त्रियः होता हो। जाने के विद्यान कार्यकाः वक्त वृद्यान्त्रियः विद्याने के द्यार कार्यक्त के विद्याने करियान् विद्यान

अवस्थित है भी कार्य है नहां में मूर्त है व्योक्त के अवस्था है नहां कर है -व्योक्त में स्थान - स्वाक्तिक किया ने स्थान कर है, पूर्ण ने भिनेत्रण -अवस्थित है किया में मूर्त हो महिला के उन्हें में स्थान के उठ जीवार अपने के पान ने महिला कर है नहां मिला कर है कि अवस्था अपने के स्थान के मुंब मिला कर के मुद्द में स्थान कर है कि अवस्था कार्य में मान कर है कि अवस्था कर है कि अवस्था कर है कि अवस्था कार्य में मान कर है कि अवस्था कर है कि अवस्था में स्थान कर है कि अवस्था कार्य में मूर्य के मूर्य में मान कर है कि अवस्था में मान कर है कि अवस्था अपने मान कर है कि अवस्था में मान कर है कि अवस्था अपने क्षेत्र में मान कर है कि अवस्था मान कर है कि अवस्था अपने क्षेत्र में मान कर है कि अवस्था मान है मान कर है कि अवस्था

নাম্বাক্তিয়া ক্ষিত্ৰিক সংক্ৰমত অনুস্থা চাৰীয়ে ই আৰু কা 11 মা ই টাৰা চাৰতা নি বাং পান আৰু নিমাৰ্থ প্ৰতী আনকাৰা মুখ্য পত্নী বাং কালী ই কোনী সমূহকাৰীক নি প্ৰায়ে বাং কা প্ৰতী আনকাৰা মুখ্য পত্নী কা কালী আৰু কা সমূহকাৰীক নি প্ৰায়ে বাং কা প্ৰতী আৰু কা বিন্দী কৰাই আৰু কা বাংকু কি

अवकर की का प्रकार के हैं। पासून मुन्ती अपने अपीटा पात्र देखीर 10 विश्वीय 1014 पार्च 5.60, अने तर पात्रीय किया प्रकार प्रकार प्रकार की अपने करने हैं कर की विश्वीय पात्र प्रमाण के प्रकार की अपने की अपने की की की मां प्रकार का प्रकार पात्र प्रकार के प्रकार की अपने की अपने की की की मां प्रकार का प्रकार पात्र पात्र की अपने की अपने की अपने की मां प्रकार की की की की की की अपने पात्र पात्र की अपने की अपने की अपने की अपने की की की की पात्र के प्रकार की की अपने की अपने की अपने की अपने की की की की

হ স্ট্রাং ক্টানিট ক্টান সম্প্রিক চিন্দ্রী। ভিন্ন বিহারে বাত অভিযুক্ত ক্ষ্মিক সিলা ক্ষম্যাল (বিশিন্দ ক্ষমন্ত্রকার্



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ा फ्रेंट आफ्रिस में सुनी जाएंगी शिकायते, वालंटियर लॉ स्टूडेंट रहेंगे साथ

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हिंद्य प्रमान्त्र संस्थित प्रमान्त्र भारत है कि और तो है सेहें दिक्षीओं का प्रस्त हो जो में अध्यापन में रही में जे रहे मार्च में प्रमेन को भी क्षेत्रमा का स्टूर्ज है की तर कमा प्रमान का है। सरकार के प्रमान समान मां मियानिक रहा में का नो है।

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िरावी प्रीकार श्लूम में आप हैंद भीदार है जा अमोगन तिरम प्राम्ह किसमें करों के सार केंग के अस्त्राय प्राम्ह किसमें सार केंग के अस्त्राय प्राम्ह किसम प्राम्ह किसमां किसमें असमें में मूल किसमें असमें में मूल केंग असमें में मूल केंग असमें में मूल में में मिर्ग असमान में सार में मिर्ग असमान में सार में में मिर्ग असमान में सार मुझे केंग असमान में सार मुझे केंग असम, निरुक्त में सार में

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क्षणा करा है, ब्लेक में बेंद के सकत है, जी में करते में क्रितार है, जो में करते में क्रियार है, जब में कि क्षण क्षेत्र करते के लाग के एवं मेंहे का उसमें में एक संस्कृतिक क्षर्यकार में का दिवा किया है को महत्त्व कर कर किया करते में किया में क्षण क्षण है के में एक्स्य कर करते क्षण है के महत्त्व करता करते हैं पुरुषे के यहन वृत्वा देशन आरोजेंद्र फेरिया

प्रतने पुत्रान्द्रम विभागी। विकांत को आईटीएफ, देनिरी खिताव

हुवाई देशे दशका संस्थान दश्चित्रमां में आविकार्यक दश्चित्रमां में आविकार्यक राज्यस्य स्थापने द्वार प्राप्त के त्रिका संस्था दश्चित्र क्रिक्ट मान्य पूर्व के त्रकार करिया में सीवाहित्य स्थापना स्थापन में सीवाहित्य स्थापना स्थापन स्थापन में काला कि मार्गि में प्राप्त में काला कि मार्गि में

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न्त्रानिकारिके सैयन्त्र के यह 2 के परेश सुरक्षिणकों में एक पूर्व के परेश की कर प्रतिकार को द्वार परियम के अल्लेख कर को जिसे पुरिषक के स्टिप्टर के विस्ता विभेग पुरिषक के प्रतिकार के प्रतिकार

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देश कर्णवर्षे बतानेश हरियात का वान करवाय कार्या प्राप्त है करवा कर कर्मिक्स के उन्हें के किए कर पार्ट कर पूर्व के किए में उन्हें कर दूर्व के किए में उन्हों कर्मा के क्षा में क्षित अपने में करवाया कर्म करवाया के करवाया क्षा करवाया करवाया करवार, सबै न पान व्यवस्था रहे बात रिवार केवर रिकेटिट पारे कु पान, रेका कावरेट को पार्टिंग करते कर पुरस्का में पुरस्का के रिवेश इस का देव को प्राप्त कर रिवार कोर्टिंगियंटर में प्राप्त कर रेना कोर्टिंगियंटर में प्राप्त कर रेना \$17, story we call the down uidast unia urtir ma populariation marcini ilai केम नेवह कार प्रकृति क् क्षतीयम अन्य करण कृष्टी क केम क्षती क्षतीया राज्य

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उत्तर हरियाणा बिजली वितरण निगम भूगवाईटी यं. ७/14-15 दियांक २०.11.2014

प्रता विशिष्ट प्रशास्त्रीत, बाली प्रवा स्थापने की प्रतिकृतिक (जिस संस्कृत) रुक्त निरंहत सोलाई को लिए रुक्तान प्रशास के प्रतास स्थापन

मुख्यकेलेन्स, सुरुतः ।

राद्धिपत्र स्तार आरवार, ग्रेस्ट. ६, रेप्यूसा हेतु मेहिमान अनुसा (For Newstal Unit) और प्रीतारत अरुसा (NRC) में पर देतु "मर्पात्वा के लिए पहारे" के स्थेण में सेवह हिन्सू (किसी) और ताहल अरु रिस्स (श्रीती) में १८,११३०० के स्त्रीति दिसान के नेश्ये में मीमा रिस्स क्षेत्र है कि सरीका जीत की स. 40,000 में पहाल स. १८,००० में मीम का दिसा गया है।

्रि इतियाणा यावर जनोहान कार्योकल लिविटेड ्यके व्यापेता - के.१. पाने भाग तथा ४, स्पृत्ता । स्वता स्वयन सं : १.४५ अम्स स्वयः ४, स्वयुक्त ।

*	रुग्नातीत.	कार्व गुर्वेच का स्ट्रीस क्रिक	कारी करा प्राप्ती की भीरत है की
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STATE ENVIRONMENT IMPACT ASSESSMENT AUTHORITY HARYANA Bay No. 55-58, Prayatan Bhawan, Sector-2, PANCHKULA,

No. SEIAA/HR/2014 1385

Dated: 07-11-2019

To

The Project Director,

GCNEP, Department of Atomic Energy,

Government of India, Reactor Control Division,

Bhabha Atomic Research Centre, Trombay, Mumbai-400085

Subject:

Environmental Clearance for construction of Institutional Campus and Residential Township for Global Centre for Nuclear Energy Partnership (GCNEP) at Village Kheri Jasaur and Jasaur Kheri District Jhaljar in the state of Haryana.

Dear Sir,

This letter is in reference to your application no. GCNEP/82 dated 26.12.2013 addressed to M.S. SEIAA, Haryana received on 30.12.2013 and subsequent letter dated 10.03.2014 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 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 27.01.2014, 28.04.2014, 22.07.2014,13.08.2014 and 09.09.2014 awarded "Gold" grading to the project.

It is inter-alia, noted that the project involves the construction of Institutional Campus and Residential Township for Global Centre for Nuclear Energy Partnership (GCNEP) at village Kheri Jasaur and Jasaur Kheri District Jhajjar in the state of Haryana on a plot area of 113.66 Acres (46.39 hect = 32.73 for campus+ 13.66 hect from township). The proposed total built up area shall be 26432 sqm (18489 smt institutional campus + 7953 sqm residential township). The project shall comprise of Institutional Campus shall have central building, SNSS, SARRT and Service buildings. The project proponent has proposed to seek separate environment clearance for development of the remaining part of project as per the procedure laid down in the notification under expansion after the approval of the competent authority in Govt. of India is obtained The total water requirement shall be 463 KLD. The waste water generation shall be 106.40 KLD, which will be treated in the 02 STPs having capacity of 67 KLD and 60 KLD. The entire treated water shall be recycled and re-used. The total power requirement shall be 1700 KVA which will be supplied by HBVNL. The Project Proponent has proposed to develop green belt on 32% for the institutional campus and 30.08% for residential township. The Project Programman posed to construct 50 rain

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water harvesting pits. The solid waste generation will be 1530 kg/day. The biodegradable waste will be treated in the project area by adopting appropriate technology. The total parking spaces proposed are 395 ECS.

The State Expert Appraisal Committee, Haryana after due consideration of [3] 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 14.10.2014 decided to agree with the recommendations of SEAC to accord necessary environmental clearance for the project under Category 8(a) of EIA Notification 2006 subject to the strict compliance with the specific and general conditions mentioned below:-

PART A-

SPECIFIC CONDITIONS:-

Construction Phase:-

- "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. Harvana before the start of any construction work at site.
- A first aid room as proposed in the project report shall be provided both during [2] construction and operational phase of the project.
- Adequate drinking water and sanitary facilities shall be provided for construction [3] workers at the site. Provision should be made for mobile toilets. Open defecation by the laboures is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.
- All the topsoil excavated during construction activities shall be stored for use in [4] horticulture/landscape development within the project site.
- The project proponent shall ensure that the building material required during [5] 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.
- Construction spoils, including bituminous material and other hazardous materials, [6] 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. परियोजना निदेशक / Project ==ector

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- The diesel generator sets to be used during construction phase shall be of ultra low [7] sulphur diesel type and should conform to Environment (Protection) Rules prescribed for air and noise emission standards.
- The diesel required for operating DG sets shall be stored in underground tanks and [8] if required, clearance from Chief Controller of Explosives shall be taken.
- Ambient noise levels shall conform to the residential standards both during day and [9] 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 pollution 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.
- Storm water control and its re-use as per CGWB and BIS standards for various [11] applications should be ensured.
- [12] Water demand during construction shall be reduced by use of pre-mixed concrete, curing agents and other best practices.
- Roof must meet prescriptive requirement as per Energy Conservation Building [13] 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 50 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 HBVNL for supply of 1700 KVA of power supply before the start of construction. In no case project will be operational solely on generators without any power supply from any external power utility.
- [19] Detail calculation of power load and ultimate power load of the project shall be submitted to HBVNL 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 Gountry 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 2 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 and wood dust. Such dusts shall not spread outside project premises. Project Proponent shall provide respiratory protective equipment to all construction workers.
- The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building above 30 meter as per National Building

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- [32] The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.
- [33] 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.
- [34] 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.
- [35] 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.
- [36] The project proponent shall ensure that structural stability to withstand earthquake of magnitude 8.5 on Richter scale.
- [37] The project proponent shall seek separate environment clearance for development of the remaining part of project as per the procedure laid down in the notification under expansion after the approval of the competent authority in Govt. of India is obtained.
- [38] The project proponent shall be self integrated with respect to services infrastructure and shall be independent for all the purposes.

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. The project proponent shall remove not only Ortho-Phosphorus but total Phosphorus to the extent of less than 2mg/liter. Similarly total Nitrogen level shall be less than 2mg/liter in tertiary treated waste water. Discharge of treated sewage shall conform to the norms and standards of CPCB/ HSPCB, whichever is environmentally better. 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
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ensuring that the re-circulated water should have BOD level less than 5 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 above the highest roof level of the project as per the CPCB norms. The diesel used for DG sets shall be ultra low sulphur diesel (35 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 Institutional Campus & Residential Township.
- [g] The project proponent as stated in the proposal shall maintain at least 32% for the institutional campus and 30.08% for residential township 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 evapotranspiration data.
- The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.
- [j] 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.
- [k] 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.
- [1] 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.

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- [m] 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 biodegradable 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.
- [n] 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.
- [o] 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.
- [p] The Project shall be operationalized only when HUDA/local authority will provide domestic water supply system in the area.
- [q] Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of project.
- [r] 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 shall maintain a collection center for E-waste and it shall be disposed of to only registered and authorized dismantler / recycler as per existing E-waste Management Rules 2011.
- [s] Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rule 1986 shall be strictly complied with.
- [t] 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.
- [u] 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 latest 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.
- [v] All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to I at the point of connection.
- The project proponent shall minimize heat island effect through shading and reflective or pervious surface instead of hard surface.

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परियोचना निर्मात / Project Director विकास मानिकार कर्ना साम्रेयारी केन (औस्ती,पार्ड्रपी) Cantra for Ababase Energy/ Partnership (G.C.N.E.P.) त.वी.. गोरत सत्त्वार / D.A.E., Govornment of India हराइ (स्रियाणा) / Bahadurgath (Harmana, 24 ann

- The project proponent shall not use fresh water for HVAC and DG cooling.

 Air based HVAC system should be adopted and only treated water shall be used by project proponent for cooling, if it is at all needed. 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 (CoP), 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.
- [y] 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.
- [z] Water-supply shall be metered among different users and different utilities.
- [aa] 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.
- [ab] 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.
- [ac] The project proponent shall provide additional green area on terrace and roof top.
- [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.
- [ae] The project proponent shall install solar panel for energy conservation.

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.
- 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 c-mail) to the northern Regional Office of MoEF, the respective and SHARMA SHARMA of CPCB, HSPCB and SEIAA Haryana.

विशेषा नामिकीय तार्जा साक्षेत्ररी केन्द्र (शी.सी.एन.ई.पी.) Global Gentre for Nuclear Enorgy Partnership (G.C.M.E.P.) - प्रि.ज.वि., पारत सरकार / D.A.E., Government of India पाठतुमाइ (हरियामा) / Bahadurgarh (Haryuna)-124507

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- [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, Häryana 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.
- The project proponent shall ensure the compliance of Forest Department, Haryana Notification no. S.O.121/PA2/1900/S.4/97 deted 28.11.1997.

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- [xiii] The Project Proponent shall ensure that no vehicle during construction/operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.
- [xiv] The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.
- [xv] Nodal Officer (Project Director) nominated by GCNEP shall be responsible for implementation of all conditions of Environmental Clearance letter.
- [xvi] The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM25, PM10, SOX NOX, Ozone, Lead, CO, Benzene, Ammonia, Benzopyrine, arsenic and Nickel. (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.
- [xviii] The project proponent shall conduct environment audit at every three months interval and thereafter corrected measures shall be taken without any delay.

 Details of environmental audit and corrective measures shall be submitted in the monitoring report.

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

Endst. No. SEIAA/HR/2014

Dated:....

A copy of the above is forwarded to the following:

The Additional Director (IA Division), MOEF, GOI, Indra Paryavaran Bhavan,
 Zor bagh Road-New Delhi.

 The Regional office, Ministry of Environment & Forests, Govt. of India, Sector 31, Chandigarh.

3. The Chairman, Haryana State Pollution Control Board, Pkl.

STREET HOUSE AND ASSESSED.

Department of Alount Energy विभिन्न जामिकाया इसी साम्रवारी केन्द्र



Ref. GCNEP/Motif/2017/04-43

Regional Offices

Ministry of Environment, Forest and Climate Change (Northern Region)

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

Dakshin Marg, Chandigarh-160030

Sub; Half-Yearly Compliance Report (Session: July 2016 to December 2016) of the stipulated Environmental conditions/safeguards in the Environmental clearance Letter and Environmental Monitoring Report of Institutional Campus and Residential Township for Global Centre For Nuclear Energy Partnership (GCNEP) at Village-Kherl Jasaur and Jasaur Kheri, District - Ihajjar, Haryana by GCNEP

Ref: Environmental Clearance No. SEIAA/HR/2014/1385 dated 7th November, 2014.

Dear Sir,

This has reference to the above mentioned Environmental Clearance No.SEIAA/HR/2014/1385 dated 7th November, 2014 in which we have been asked to submit the compliance with the specific and general conditions of the same.

In view of above, we are approaching you by submitting a copy of the following information/ documents for your kind perusal!

1. 4th report (July to Dec 2016) Point-wise compliance of the stipulated environmental conditions/ safeguards, along with necessary documents & annexures.

2. Environmental monitoring report

We fully assure you that we will comply with all conditions as specified in the Environment clearance granted to 45.

Fhanking you,

Yours Sincerely,

Project Director, GCNEP

145-A, South Block, New Delhi-110011

Email Anunam, s@gov.ln

CCC : L. L. The Frighter Secretary, Baryana State Pollution Control Board, Panchkula, Haryana. ZETHR Mamber Secretary SEIAA, Bay No. 58-58, Parytan Dhawan I" Floor, Sector-2, Pagehkula, Haryana

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(हरियाण) / Bahadurgarh (Haryana)-12450



परमाण् ऊर्जा विभाग Department of Atomic Energy वैश्विक नाभिकीय ऊर्जा साझेदारी केन्द्र



GLOBAL CENTRE FOR NUCLEAR ENERGY PARTNERSHIP

Ref: GCNEP/MoEF/2017/04-45

Regional Office, Ministry of Environment, Forest and Climate Change (Northern Region) Bays No: 24-25, Sector-31 A. Dakshin Marg, Chandlgarh-160030

Sub: Half-Yearly Compliance Report (Session: July 2016 to December 2016) of the stipulated Environmental conditions/safeguards in the Environmental clearance Letter and Environmental Monitoring Report of Institutional Campus and Residential Township for Global Centre For Nuclear Energy Partnership (GCNEP) at Village-Kheri Jasaur and Jasaur Kherl, District - Jhaljar, Haryana by GCNEP

Ref: Environmental Clearance No. SEIAA/HR/2014/1385 dated 7th November, 2014.

Dear Sk,

This has reference to the above mentioned Environmental Clearance No.SEIAA/hik/2014/1385 dated 2th November, 2014 in which we have been asked to submit the compliance with the specific and general conditions of the same.

In view of above, we are approaching you by submitting a copy of the following information/ documents for your kind perusal:

- 1. 4th report (July to Dec 2016) Point-wise compliance of the stipulated environmental conditions/ safeguards, along with necessary nocuments & annexures.
- 2. Environmental monitoring report

We fully assure you that we will comply with all conditions as specified in the Environment clearance granted to US.

Thanking you,

Yours Sincerely.

Andpam Sharma

Project Director, GCNEP

145-A, South Block, New Delhi 110011

Email: Anupam.s@gov.in

A Board i, Sector-6, Panchkulla

1. The Member Secretary, Haryana State Pollution Control Hoard, Panchkula, Haryana.

2. The Mamber Secretary SEIAA, Bay No. 55-58, Paryton Rhawan 1" Floor, Sector-2, Panchkula, Haryana.

Project Directorate: 145-A, South Block, New Debt-110011 Phone: 011 23014587

Transk Office: GCNEP, BSNL Telephone Exchange, 2" Floor, Bahadurgarh, Haryana — 124507, Phone: 012 Address / Project Director. Site Address: GCNEP, Village Kheri Jahar, Bahadurgarh, Distr Jibijar, Haryana PIN — 124505

Class of Project Director.

देविक नामिकीय उन्हों साहेकरी केन्द्र (औ.सी.एन.है.भी.) Global Centre for Nuclear Energy Pertnership (G.C.N.E.P.) कि.वि., भारत सरकार / D.A.E., Government of India

(Rom) / Bahadurgorh (Haryana)-124507

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Department of Alomia Energy. वेरिवक जाशिकीय ऊर्जा साझेदारी केंद्र



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Ref: GENEP/MotF/2017/04-45

Dated: 01-02/2015

Regional Office, Ministry of Environment, Forest and Climate Change (Northern Region) Bays No: 24-25, Sector-31 A. Dakshin Marg, Chandigarh-160030

Sub: Half-Yearly Compliance Report (Session: July 2016 to December 2016) of the stipulated Environmental conditions/safeguards in the Environmental clearance Letter and Environmental Monitoring Report of Institutional Campus and Residential Township for Global Centre For Nuclear Energy Partnership (GCNEP) at Village-Kherf Josaur and Jasaur Kheri, District - Ihaliar, Haryana by GCNEP

Ref: Environmental Clearance No. SEIAA/HR/2014/1385 dated 7th November, 2014.

Dear Sir,

This has reference to the above mentioned Environmental Clearance No.SEIAA/HR/2014/1385 deted 7 November, 2014 in which we have been asked to submit the compliance with the specific and general conditions of the same.

In view of above, we are approaching you by submitting a copy of the following information/ documents for your kind perusal:

- 1. 4" report (fully to Dec 2016) Point-wise compliance of the stipulated environmental conditions/ safeguards, along with necessary documents & announces
- 2. Environmental monitoring report

We fully assure you that we will comply with all conditions as specified in the Environment clearance granted to 115.

Thanking you,

Yours Sincerely.

Project Director, GCDEP

145-A, South Block, New Delhi 110011

Email: Anunam.s@gov.in

1. The Member Secretary, Haryana State Pollution Control Board, Panchkula, Haryana.

Project Directorates 145 A, South Black, New Debit-1:001: Florie: 011 2:014587

7. The Member Secretary SEIAA, Bay Ho. 55-58, Paryton Bhawan 1" Floor, Sector-2, Ponthkula, Haryana.

STATE AND ANUPAM SHARMA वरियोजना निदेशकं / Project Director Trans. Office. GLATP, BSNL Telephone Each 1949, 2° Floor, Extra brighten, Harvara 124 Shibas Controller Middle San San Partnership (G.C.M.E.P.)

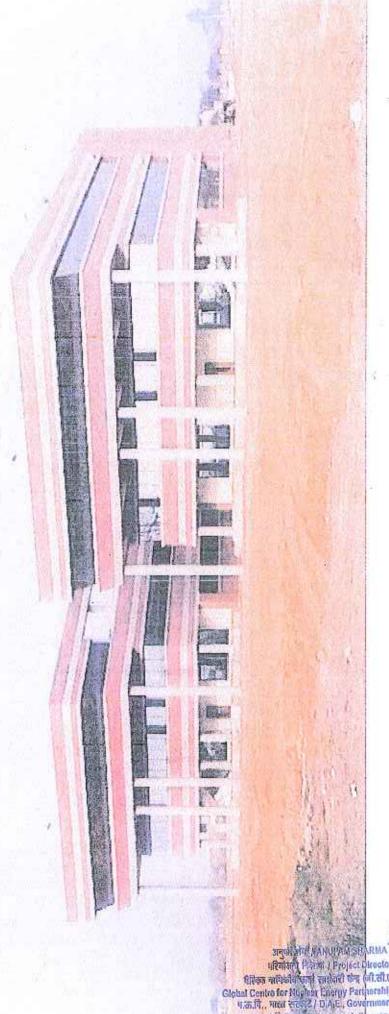
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अनुदार और FANDPAM SHARMA

(परियोगा निकास / Project Director

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अनुमा शर्म / ANUPAM SHARMA परियोजना निरंशक / Project Director परियक नामितीय कर्मा स्वाहोत्तर केन्द्र (शी.शी.एम.ई.सी.) Global Castro for Nuclear Energy Partnership (G.C.N.E.P.) प्रकार, भारत सरस्वर / D.A.E., Government of India