Countrywide Promoters Private Limited

Ref. No. CPPL/Com/ENV/20-21/06 Dated. 01/06/2021

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

Sub: Six Monthly Compliance Report for Construction of Residential Colony Project including Expansion measuring 126.674Acs (108.068 +18.606 Acres) at Sec 102 & 102 A, Village- Kherkimajra, Dhankot & Dhanuwapur, Gurugram (Haryana)

Ref: 1. E.C. No. SEIAA/HR/2010/957 Dated 09.11.2010 and F. No. 4-923/2010 RO (NZ)

2. Expansion E.C No. SEIAA/HR/2013/1383 Dated 12.12.2013 F. No. 4-1318/2013RO (NZ)

3. SEIAA letter vide Memo No. SEIAA/HR/2016/579 Dated 22/07/2016

Dear Sir,

This is with reference to Point No. ii of general conditions of the above referred respective Environmental Clearances, we hereby submit that SEIAA clarified us Environmental Clearance granted vide letter No. SEIAA/HR/2013/1383 dated 12/12/2013 for expansion project also includes already EC granted area of 108.068 acres and expansion area of 18.606 acres due to addition of land means for total area of 126.674 acres as one unit and therefore Six monthly compliance report to be submitted for EC granted for 126.674 acres with effect from issuance of EC approval dated 12/12/2013. Accordingly, we are hereby submitting the 6 monthly monitoring report in soft copy as per applicable MoEF&CC notification published vide S.O. 5845 (E) dated 26th November, 2018 due in the month of 01st June 2021 for the compliances executed for the period during 01/10/2020 to 31/03/2021 and detailed status of the project for your ready references and record.

We hope that this will meet your requirement. Further, the undersigned can be contacted over phone on 8800092162 and via email on countrywide.promoters@gmail.com for any additional requirement.

Thanking You,

Sincerely,

Sanjeev Kumar Sharma
Authorized Signatory

Copy to:

1. Member Secretary, State Environment Impact Assessment Authority, Haryana
2. Member Secretary, Haryana State Pollution Control Board, Panchkula
3. Regional Officer, Haryana State Pollution Control Board, Gurugram (North)

HALF YEARLY COMPLIANCE

SESSION: October' 2020 to March' 2021

EC LETTER NO: SEIAA/HR/2010/957 Dated 09.11.2010 & SEIAA/HR/2013/1383 dated 12-12-13

FOR

"AMSTORIA "EXPANSION OF RESIDENTIAL PLOTTED COLONY PROJECT (admeasuring 126.674 acres)"

At

Sector - 102 & 102a, Village- Kherkimajra & Dhankot, Gurgaon, Haryana

By

M/s Countrywide Promoters Pvt. Ltd.

LIST OF ANNEXURE

S.No	Particulars	*Annexure*
1.	ENVIRONMENTAL CLEARANCE NO: SEIAA/HR/2010/957 Dated 09.11.2010 & SEIAA/HR/2013/1383 dated 12-12-13	*Annexure I*
2.	Air, Noise, Soil monitoring reports	*Annexure II*
3.	Photographs of first aid box	*Annexure III*
4.	Forest NOC & Aravali	*Annexure IV*
5.	Exemption letter from CGWA	*Annexure V*
6.	Consent to establish	*Annexure VI*
7.	DHBVN Permission	*Annexure VII*
8.	STP Photograph	*Annexure VIII*
9.	Environment management plan	*Annexure IX*

AMSTORIA "EXPANSION OF RESIDENTIAL PLOTTED COLONY PROJECT (admeasuring 126.674 acres) SECTOR - 102 & 102A, VILLAGE- KHERKIMAJRA&DHANKOT, GURGAON, HARYANA
COMPLIANCE REPORT

SPECIFIC AND GENERAL CONDITIONS AS PER THE ENVIRONMENTAL CLEARANCE LETTER NO:*SEIAA/HR/2010/957 Dated 09.11.2010& SEIAA/HR/2013/1383 dated 12-12-13 (ANNEXURE I)* FOR CONSTRUCTION AND OPERATION PHASES OF THE PROJECT PERIOD OCTOBER'2020 TO MARCH'2021.

Lab monitoring reports for the month of April 2021 of Ambient Air, Ambient Noise and Soil are attached as an ***Annexure II***.

PART A: SPECIFIC CONDITIONS

1. CONSTRUCTION PHASE

Conditional compliance stipulated under EC No. SEIAA/HR/2010/957 Dated 09.11.2010		
S.NO.	**CONDITIONS**	**COMPLIANCE**
1.	A First aid room as proposed in the project report will be provided in both during construction and operation phase of project	**Complied.**First aid room facility provided at the construction site and will also provide during operational phase. Photographs of first aid box attached as an ***Annexure III.***
2.	Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the laborers is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.	**Complied**. We assure to provide adequate drinking water for the labors at the project site. Safe disposal of waste water and solid waste from construction activities will be ensured.
3.	All the top soil excavated during Construction activities should be stored for use in horticulture/landscape development within project site.	**Complied**. All the topsoil excavated during construction activities is stored at the project site and being used for horticulture/ landscape development
4.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed of taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.	**Complied**No adverse impact is being observed on the neighboring communities as muck including excavated material is being backfilled during construction with necessary precautions for general public health and safety.
5.	Construction spoils including	**Complied.**We assure that no bituminous

	bituminous materials and other hazardous materials must not be allowed to contamination watercourses and the dump site for such materials must be secured so that they should not leak into groundwater and any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approval of Haryana State pollution control Board.	material and other hazardous materials is being allowed to contaminate water courses and the dump sites for such material is being secured so that they should not leach into the ground water and will take necessary approval of HSPCB if required.
6.	The diesel generator sets to be used during construction phase should be of low sulphur diesel type and should confirm to Environment (Protection) Rules prescribed for air and noise emission standard.	**Complied**We are using low sulphur diesel for generator and acoustically enclosed generators sets are being used which conform to the rules made under E (P) A 1986 prescribed for air & noise emissions standards as per CPCB guidelines. Lab report of ambient air and noise monitoring report for the month of April 2021 are attached as***Annexure-II.***
7.	The diesel required for operating DG sets shall be stored in underground tank if required clearance from chief controller of explosive shall be taken.	**Noted.**Presently, no storage of diesel is required.
8.	Ambient noise levels should conform to the residential and commercial standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be taken to reduce ambient air and noise level during construction phase, so as to confirm stipulated commercial standard.	**Complied.** Ambient air & noise monitoring are being conducted at project site and the results show that the noise levels are within the prescribed limits. Lab report of ambient air and noise monitoring report for the month of April 2021 is ref as***Annexure II.***
9.	Fly ash should be used as building materials in the construction as per the provision of fly ash notification of September 1999 and amendment as on 27th August 2003.	**Complied.** Fly ash are using as a building material in the construction as per the provision of fly ash notification of September 1999 and amendment as on 25th January 2016.
10.	Ready mix concrete must be used in	**Complied.** RMC are being used in building

	building construction.	construction.
11.	Storm water control and its use as per CGWB and BIS standard for various applications should be ensured.	**Complied.**Proper storm water drainage plan is being designed as per direction of CGWB since board suggested not adopting artificial recharge due to high groundwater level at the project site and said letter is already sent to your esteemed office.
12.	Water demand during construction phase should be reduced by uses of pre-mixed concrete, curing agent and other best practices.	**Complied**. Pre-mixed concrete & curing agents are used to reduce water demand.
13.	Permission from competent authority for supply of water shall be obtained prior to construction/operation of the project.	**Noted.** We have been utilizing the treated water from STP of HUDA for construction phase which conforms to IS 456-2000. During operation phase, we will approach HUDA for water supply permission.
14.	Roof should meet prescribed requirements as per energy conservation building code by using appropriate thermal insulation materials to fulfill requirements.	**Noted.** While preparing the roof of the building it will be kept in mind that prescriptive requirements as per ECBC codes will be adopted and appropriate thermal insulation material will be used.
15.	Opaque wall should meet prescribed requirements 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 to fulfill the requirements.	**Noted.** Opaque wall insulation will be used as per Energy Conservation Building Code.
16.	The approval of competent authority shall be obtained for structural safety of the building due to earthquake, adequacy in firefighting equipment etc as per national building code including protection measures for light etc. If any forest land is involved in the proposed site, clearance under Forest conservation act shall be taken from competent authority.	**Complied.**Forest NOC has been obtained vide no. *2337-G dated 23.10.2013* is enclosed as ***AnnexureIV.***
17.	The project proponent will use water for construction phase through	**Complied.**We have been using the treated STP water provided by HUDA for construction an

	tankers.However, prior permission from CGWA will be taken before using the bore well water for construction purposes.	activity which meets IS 456:2000norms.
18.	The project proponent will construct 50 (Fifty) no. of rain water harvesting pits for recharging the ground water within the project premises.	**Complied**. As per CGWA letter no. 21-4/NWR/CGWA/2008-1922 dated 04th Jan 2012, we have been directed not to carry out RWH, considering ground water table to be shallow in the region.Letter is enclosed as ***Annexure V.***
19.	The PP should provide hydraulic ladder for escape of people during fire.	**To be complied.**We will provide all necessary firefighting equipment for the safety of people.
Conditional compliance stipulated under EC No. SEIAA/HR/2013/1383 dated 12-12-13 excluding already covered compliance conditions in Earlier EC No. SEIAA/HR/2010/957		
20.	"Consent For Establishment" 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 start of any construction work at site.	**Complied**. We have already obtained Consent to Establish (NOC) from Haryana State Pollution Control Board already submitted to your esteemed office.
21.	The project proponent shall ensure that the building material used in the construction phase should be stored within the project area and disposal of construction waste should not create any adverse effect on the neighboring and should be disposed of after taking necessary precautions for general safety and health aspects of the people .only in the approved sites with the approval of competent authority.	**Complied.** A temporary store room is already proposed for storing the construction materials during the construction phase. Construction waste includes empty cement begs, broken bricks etc will be segregated properly by the labor onsite and sold to the authorized vendors so it will not create any adverse effect on the neighboring community.
22.	In view of the severe constrains in water supply augmentation in the region and sustainability of water resources, the developers will submit the NOC from CGWA specifying water extraction quantities and assurance from HUDA/ utility provider indicating source of water	**Complied.**We are not abstracting any ground water during construction phase so there is no requirement for obtained NOC from CGWA. For construction activities, we are using HSVP's STP treated water. For operation phase we will approach HUDA

	supply and quantity of water with details of intended use of water – potable. Assurance is required for both construction and operation stages separately. It shall be submitted to the SEIAA and RO, MOEF, Chandigarh before the start of construction.	for water supply permission
23.	Overexploited groundwater and impended severe shortage of water supply in the region requires the developer to redraw the water and energy conservation plan. Developer shall reduce the overall footprint of the proposed development. Project proponent shall incorporate water efficiency/savings measures as well as water reuse/recycling within three months and before start of construction to the SEIAA, Haryana and RO, MoEF, GOI, Chandigarh.	**Noted.** In view of the suggestion to conserve fresh water. We will always try to recycle the water and use STP treated water (which meets IS 456:2000 norms) provided by HUDA for construction activities.
24.	The project proponent shall provide for adequate fire safety measures and equipment's as required by Haryana Fire Services Act, 2009 and instruction issued by the local Authority/Directorate of fire from time to time. Further the project proponent shall take necessary permission regarding fire safety scheme/NOC from Competent Authority as required.	**Noted.**We will provide adequate fire safety measures and equipment's as required by Haryana Fire Service Act,2009and instruction issued by the local Authority/Directorate of fire.
25.	The project proponent shall submit assurance from the DHBVN for supply of 38000 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.	**Complied.**We have already obtained necessary permission from DHBVN on dated 22-03-2017 Copy of DHBVN approval Letter is enclosed as ***Annexure VII.***
26.	Detail calculation of power load and ultimate power load of the project shall be submitted to DHBVN under	**Complied.**Power load details have already submitted.

	intimation to SEIAA Haryana before the start of the construction. Provisions shall be made for electrical infrastructure in the project area.	
27.	The project proponent shall not raise any construction activity in the natural land depression / Nallah/water course and shall ensure that the natural flow from the Nallah/water course is not obstructed.	**Complied.**There is no nallah/ water course near the project site so there will be no obstruction during construction activities.
28.	The project proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the group housing project as per prescribed by law. Level of the other areas in the group housing projects shall also be kept suitably so as to avoid flooding.	**Complied.**We have been strictly follow the prescribed by-laws for building design including the plinth level which shall be kept sufficiently road to avoid flooding.
29.	Construction shall be carried out so that density of population does not exceed norms approved by Director General Town and Country Department Haryana.	**Noted.**The density of population will not exceed as we will follow the norms of town & country planning Department.
30.	The project proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only the treated water should be used for construction.	**Complied**. An undertaking in the form of an affidavit has been submitted to your esteemed office vide our letter dated 03.07.2014and during the appraisal process of Environmental clearance.
31.	The project proponent shall not cut any existing tree in the project area and project landscaping plan should be modified to include those trees in the green area.	**Noted.**We haven't /will not cut any tree existing in the project area and landscape will be managed and modified to increase the number of trees.
32.	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.	**Noted.**ECBC norms for Composite Climate zone shall be met.
33.	The project proponent shall provide 3	**Complied**. The barricade and the dust screen

	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.	are being constructed to prevent Air pollution. Sprinkling of water are using to settle down the dust particles during the constructional phase.
34.	The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.	**Complied.** Sedimentation basin will be constructing to trap the pollutants and waste material.
35.	The project proponent shall provide Rasta of proper width and proper strength for each project before the start of construction.	**Complied.**A rasta has been made of proper width and proper strength for each project before the start of construction.
36.	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.	**Noted.**We will use glass with U value less than 3.177 and ensure that maximum solar heat gain coefficient is 0.25 for vertical fenestration.
37.	The project proponent shall adequately control construction dust like silica dust, non-silica dust, wood dust. Such dusts shall not spread outside the project premises. The project proponent shall provide respiratory protective equipments to all construction workers.	**Complied.**Provision is being made to avoid spreading of construction dusts outside the project site. For this purpose water sprinkling, tarpaulin covering etc has done. Respiratory protective equipment's have already been issued accordingly.
38.	The project proponent shall provide one refuse area till 24 meter and till 39 meter as per National Building code.	**Noted.** We will follow the NBC norms for refuse area.
39.	The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building code.	**To be Complied**We will provide fire control room and fire officer as per NBC norms.
40.	The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.	**Noted.**
41.	The project proponent shall seek specific prior approval from concerned local Authority /HUDA regarding	**To be Complied.**Prior approval from concerned local authority/HUDA will be taken for provision of storm drainage and sewage

	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.	system.
42.	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.	**Complied.**The solid waste management plan has already been submitted to competent authority on dated 03-07-2014 and during the appraisal proceeding of EC.
43.	The project proponent shall develop complete civic infrastructure of the Group Housing colony including internal roads, green belt development, sewerage line, rain water recharge arrangements, storm water drainage system, solid waste management site and provision for treatment of bio degradable waste, STP, water supply line, dual plumbing line, electric supply line etc. and shall offer possession of the units/flats thereafter.	**Noted**. We assure to develop internal roads, green belt development, sewerage line, storm water drainage system, solid waste management site and other civic infrastructure of the project We will also provide the facilities like STP, water supply line, electric supply line, dual plumbing line etc.
44.	The project proponent shall provide helipad facility as required under NBC norms and shall seek permission of helipad from AAI accordingly.	**Noted**. The project involves plotted development hence no permission is required for helipad from AAI
45.	All system of water supply, sewerage system, STP etc. shall be provided based on revised requirement of 135 lpcd.	**Complied**The calculation of water requirement including estimation with treated water has been submitted to the SEAC/SEIAA Haryana with the relevant norms, as applicable, with the application of environmental clearance.
46.	The project proponent shall ensure that the plinth level of the building block to be 1.5 meter above 100 years flood level of the said Najafgarhjheel.	**Noted.**Due care will be taken to design the plinth level based on distance of NajafgarhJheel and its flood level data.
47.	The project proponent shall obtain NOC from HUDA as well as irrigation Department before the start of construction, regarding possible	**Noted**. Necessary permission will be obtained from HSVP and Irrigation department.

	adverse effect of project proposal on the Najafgarhjheel.	
48.	The project proponent shall not raise construction activity in the ROW reserved/acquired for High Tension Wire passing through the project area and shall maintain horizontal and vertical ROW as required Indian Electricity Rules, 1956/DHBVN latest instructions.	**Complied.** Noconstruction work has been done under the High Tension Wire and also follow the Indian Electricity Rules, 1956 or latest instruction of DHBVN have been followed.
49.	The project shall have the provision for infrastructure services (water supply, sewer, storm water lines etc.) to accommodate the additional load arising from population residing in other lands falling within the project limits/vicinity.	**Noted.**We will provide all necessary infrastructure facilities.
50.	The project proponent shall maintain the distance between the STP and water supply line.	**Complied.**The STP has been installed at a proper distance from the water supply line to avoid any health risk or odor problem.
51.	The project proponent shall ensure that no construction activity is undertaken either on surface or below or above surface of revenue rasta passing through the project area.	**Complied.**
52.	The project proponent shall indicate the width and length of revenue rasta passing through the project area on sign board and shall display the same at both the ends of revenue rasta stretch, for awareness of public. Sign board shall also display the massage that this is public rasta/road and any citizen can use it. There shall not be any gate with or without guards on revenue rasta.	**Complied.** The width and length of revenue rasta passing through the project area on sign board have been indicated and displayed at both the ends of revenue rasta, for awareness of public.
53.	Rain water harvesting has not been proposed. The project proponent shall make alternate arrangement for disposal of storm water and excess of treated sewage from STP into storm	**Noted.**

	drainage & sewerage system of HUDA respectively.	
54.	The project proponent shall provide helipad facility as required under NBC norms and shall seek permission of helipad from AAI accordingly/relevant Authority.	**Noted.** As this is plotted development project, therefore no helipad facility will be provided. Hence no permission is required.
55.	The project proponent shall submit NOC from Airport Authority regarding height clearance.	**Noted.** This is a plotted development project; hence no height clearance is required from Airport Authority.

2. OPERATION PHASE

Applicable Conditional compliance stipulated under EC No. SEIAA/HR/2013/1383 along with Earlier EC No. SEIAA/HR/2010/957 Dated 09.11.2010		
S.NO.	CONDITIONS	COMPLIANCE
1	"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.	**To be complied.**Consent To Operate will be obtained from HSPCB under Air and Water Act.
2	The Sewage Treatment Plant (STP) should be installed for the treatment to the prescribed standards including odour and treated effluent shall be recycled. The installation of STP should be certified by an independent expert and a report in this regard should be submitted to SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. Discharge of treated sewage shall confirm to the norms and standards of HSPCB, Panchkula. The project proponent shall implement such STP technology which does not require filter backwash.	**Complied.**STP of adequate capacity and efficiency has been provided to meet the prescribed standards for effluent treatment. The STP had been designed by an expert agency. Treated water will be used for flushing and gardening within the project premises. Photograph of STP attached as an ***Annexure VIII.***
3	Separation of black and grey water should be done by use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should	**Noted.**Separation of grey and black water will be done by use of dual plumbing line. There will be treatment of 100% grey water and its reuse in gardening, DG set cooling, etc.

	have BOD maximum 10 mg/liter and the recycled water will be used for flushing, gardening and DG set cooling etc	
4	For disinfections of treated waste water ultra-violet radiation or ozonization process should be used.	**To be complied.** The ultra violet radiation or ozonization will be used for disinfection of treated waste water.
5	Diesel power generating sets proposed as source of backup power for lifts, common areas illumination and for domestic use should be of enclosed type and confirm to the rule made under Environment Protection Act, 1986. The location of DG sets should be in the basement as promised by the project proponent with appropriate stack height i.e. above the roof level as per the CPCB norms. The diesel used for DG should be ultra-lowsulphur contents (maximum 0.05%) instead of low Sulphur diesel.	**Noted**. Ultra- low sulphurdiesel will be used and all diesel power generating sets will be of 'enclosed type' to prevent noise and should conform the rules made under EPA 1987, presented for air and noise emissions standards.
6	Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of Proposed Residential Complex.	**Complied**. Ambient noise monitoring has been done at the project site and the monitoring reports for the month ofApril 2021ref as ***Annexure II***
7	The project proponent as stated in the proposal shall maintain at least 30.01% 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 suspended particulates matter and noise. The open spaces inside the plot should be preferably landscaped and covered with vegetation/grass. Herbs & shrubs. Only locally available plant species shall be used.	**To be complied**. Same will be compiled with during the operation phase and only native plant species will be used.
8	The project proponent shall strive to minimize water in irrigation by minimizing the grass area, using native verity, xeriscaping and mulching, utilizing efficient irrigation system, scheduling	**Noted.**The green belt to be designed and developed as per guideline of CPCB for development of greenbelt and CPWD landscape guidelines and so plant species to be selected based on trans-gangetic

	irrigation only after checking evapo-transpiration data.	plain (agro-climatic zone) under which the project are falling.
9	Weep holes in the compound front walls shall be provided to ensure natural drainage of rain water in the catchments area during the monsoon period.	**Noted.**
10	Rain water harvesting for runoff and surface runoff, as per plan submitted should be implemented. Before recharging the surface runoff, pre-treatment must be done to remove suspended matter, oil and greases. The bore well for rain water recharging should be kept at least 5 mts. above the highest ground water table. Care shall be taken that contaminated water do not entry any RWH pit. The project proponent shall avoid rain water harvesting of first 10 minutes of rain fall. Roof top of the building shall be without any toxic materials or paints which can contaminate rain water. Wire mess and filter should be used wherever required.	**Complied.**Considering the hydrological conditions of the region, we have been advised by the CGWA not to undertake rain water harvesting for ground water recharge. The copy of the same has been submitted to your esteemed office vide our letter dated 03.07.2014
11	The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.	**Noted.**
12	There should be no traffic congestion near the entry and exit point from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be utilized.	**Complied.** The parking plan has been designed as per the norm hence there will be no traffic congestion at entry and exit points.
13	A report on energy conservation measures conforming to energy conservations norms finalize by bureau of energy efficiency should be prepared incorporating details about building materials & technology, "R & U factors etc" and submit to SEIAA, Haryana in three months' time.	**Noted.**We will follow the BEE norms for energy efficiencyand detailed report to be submitted to all regulatory authorities including your esteemed office as soon as the project becomes operational.
14	Energy conservation measures like installation of LED for the lighting the area outside the building should be integral part	**To be complied.** The LED will be used for lightening purposes at common areas. We will use solar panels for maximum

	of the projects design and should be in place before project commissioning. Use of solar panels must be adapted to the maximum energy conversion.	energy conservationas per latest HAREDA policy 2016.
15	The project proponent shall use zero ozone depleting potential material in the insulation, refrigeration, air-conditioning and adhesive. The project proponent shall also provide Halon free fire suppression system.	**Noted.**Zero ozone depleting potential material will be used in the insulation, refrigeration, air-conditioning and adhesive; also provide Halon free fire suppression system in construction as well as operational phase.
16	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.	**Noted.**Solid waste will be collected and segregated. Biodegradable waste shall be composted at site and non-biodegradable solid waste would be disposed-off to approved landfill site after recovering recyclable material as per provision provided under solid waste management rules 2016
17	The provision of the solar water heating system shall be as per the norms specified by HAREDA and shall be made operational in each building block.	**Noted.**We will adopt the use of solar energy for water heatingas per HAREDA solar power policy 2016.
18	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.	**Complied**. The traffic and parking plan has been designed considering MoEF norms and HUDA bye-laws so as to meet the existing and future requirements. Adequate road widths will be maintained to avoid traffic congestion.
19	The project proponent shall install solar panel of 25 KW in the project area.	**To be complied**. We will install solar panel as per applicable provision of latest Haryana solar power policy implemented by HAREDA
20	The project shall be operationalized only when HUDA/local authority will provide domestic water supply system in the area.	**Complied.**Municipal water supply connected from GMDA.

21	Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of sale.	**To be complied.** Operation and maintenance of STP, Solid waste management and electrical infrastructure, pollution control measure will be ensured.
22	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, ParticularlyE-waste and battery waste shall be disposed off as per existing E waste Management rules 2011 and batteries management rules 2001. The project proponent should maintain a collection center for E-waste and it should be disposed of to only registered and authorized dismantler/recycler.	**To be complied**.Solid waste will be collected and segregated. Biodegradable waste shall be composted at site and non-biodegradable solid waste would be disposed-off toapproved landfill site after recovering recyclable material as per provision provided under solid waste management rules 2016 E-waste and Battery waste shall be disposed of as per existing E-waste Management Rules 2016 and Batteries Management Rules 2001. Further, we shall maintain a collection center to dispose-off E-waste to registered authorized dismantler/recycler.
23	Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environmental Protection Rule 1986 shall be strictly complied with.	**Noted.**Air Pollution: source of air pollution is DG set and vehicular pollution. Stack height will be maintained as per norms. Noise Pollution: Only source of Noise pollution is DG set. All mitigative measures will be provided to reduce the noise to impact the surroundings. Soil Pollution: Landscaping will be done properly after the construction work is over. Water pollution: waste water will be treated as proposed capacity STP and maximum effluent from ETP will be reused in Horticulture and Flushing.
24	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.	**Noted.**

25	The project proponent shall ensure that the stack height of DG sets is as per the CPCB guidelines and also ensure that emission standards of noise and air are within the CPCB prescribed limits. Noise and Emission level of DG sets are greater than 800 KVA shall be as per the CPCB latest standards for high capacity DG sets.	**To be complied.**Adequate stack height will be provided as per CPCB guidelines and norms. Regular monitoring and measures will be undertaken to ensure that the emission levels are below the prescribed limits.
26	All electric supply exceeds 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of connection.	**Noted.**
27	The Project Proponent shall minimize heat island effect through shading and reflective or pervious surface instead of hard surface.	**Noted.**Adequate measures will be practices to avoid the heat island effects per ECBC norms.
28	The Project Proponent shall use treated water instead of fresh water for HVAC and DG cooling. The Project Proponent shall also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during summer and winter seasons should be kept at optimum level. Variable speed drive, best Co-efficient of Performance,(CoP), as well as optimal integrated point load value and maximum outside fresh air supply may be resorted for conservation of power and waste. Coil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.	**To be complied**. STP treated water will be suitably used during operation phase in horticulture and further flushing in order to reduce overall water consumption.
29	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.	**Noted.** Transformers from certified manufacturers will be used as per the requirements.
30	Water Supply shall be metered among different users and different utilities.	**To be complied**. Water meters will be installed for proper accountability.
31	The project proponent shall ensure that exit	**To be complied**. We will design the

	velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-water under any meteorological condition.	stack height as per CPCB guidelines and will assure that the exit velocity will be sufficiently high.
32	The project proponent shall provide water sprinkling system in the project area to the suppress the dust in addition to the already suggested mitigation measures in the Air Environment Chapter of EMP.	**Noted.** We will take all necessary measure to control the dustas committed in EMP. EMP is attached as ***Annexure IX.***
33	The Project Proponent shall ensure proper Air Ventilation and light system in the basement area for comfortable living of human being and shall ensure that number of air changes per hour (ACH) in basement never falls below 15.	**To be complied**. Proper air ventilation and lighting in the basement area will be kept in mind.

PART- B: GENRAL CONDITIONS

Updated Conditional compliance stipulated under EC No. SEIAA/HR/2013/1383		
S.NO	CONDITIONS	COMPLIANCE
i	The project proponent shall ensure the commitments made in Form-1, Form-IA, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards are compiled with in letter and spirit. In case of contradiction between two or more documents or any point, the most environmentally friendly commitment shall be taken as commitment by the project proponent.	**Noted.** Environmental Safeguards as prescribed by the Ministry of Environment and Forests in the clearance document shall be implemented in true spirit both during the construction and operation phase.
ii	The Project Proponent shall also submit Six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both in hard copies as well as by e-mail) to the northern Regional Office of MoEF, the respective Zonal Office of CPCB,HSPCB and SEIAA Haryana.	**Complied.** Regularly submit the six monthly compliance report with lab report to the SEIAA and the regional office, MoEF. GOI, Northern region Chandigarh.
iii	STP/ETP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green	**To be complied**. STP outlet characteristics and stack emission will be monitored as advised.

	belt shall be monitored on quarterly basis. After every 3 months, the project proponent shall conduct environmental audit, and shall take corrective measures, If required, without any delay.	Green belt will also be maintained and monitored on regular basisand the necessary and corrective measures will be taken as required.
iv	The SEIAA, Haryana and reserve 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.	**Noted.**
v	The Project proponent shall not violate any judicial orders /pronouncements issued by court/Tribunal.	**Noted.**
vi	All other statutory clearance such as approval for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department ,Forest Conservation Act,1980, and Wildlife (Protection) Act, 1972, Forest Act, 1927, PLPA 1900, etc. shall be obtained, as applicable by project proponent from the respective authorities prior to construction of the project.	**Complied.**Forest NOC&Aravali NOC has already been obtained attached as ref ***Annexure-V.***
vii	The project proponent shall inform the public that the project has been in accorded Environmental clearance by SEIAA and copies of the clearance letter are available with the State Pollution Control Board & SEIAA. This should be advertised within 7 days from date of issue of clearance letter at least in two local newspapers that are widely circulated in the region and copy of the same should be forwarded to SEIAA Haryana. A copy of environmental clearance conditions shall also be put on the project proponent's web site for public	**Complied.**Public notice regarding EC of the project (Expansion of Residential plotted colony, Sec-102 & 102A, Gurgaon) was issued in Hindustan Times paper dated 18th December 2013 and DainikJagran dated 18th December,2013 a copy of which was submitted to SEIAA, Haryana with vide our letter dated 19th December 2013. Copy of the newspaper advertisement is also available in our website.

	awareness.	
viii	Under the provision of Environment (Protection) Act, 1986, legal action shall be initiated against the project proponents if it was found that construction of the projects has been started before obtaining prior Environmental Clearance.	**Complied.**We have already obtained Environment Clearance from SEIAA, Haryana. EC No. SEIAA/HR/2013/1383 dated 12/12/13.
ix	Any appeal against this Environmental Clearance shall lie with the National Green Tribunal, If preferred with in a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	**Noted.**No appeal against this Environment Clearance preferred within a specified period of 30 days 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.	**Complied.**We have implemented our corporate Environment Policy (CEP) and a copy of the same has already been submitted to SEIAA Haryana on dated 19th December, 2013 A copy of our CEP has been submitted to your office vide our letter dated 03.07.2014
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 report should be submitted to the SEIAA/RO MoEF, GoI under rules prescribed for Environmental Audit.	**Noted.**The funds earmarked and designated for Environment management plan, pollution control devices and Environment monitoring plan will be implemented and used exclusively for the environment commissioning in the project.
xii	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.	**Noted.**
xiii	The project proponent shall ensure that no vehicles during construction/ operation phase enter the project premises without valid 'Pollution Under Control' certificate from competent Authority.	**Noted.**Entry of any vehicle without "Pollution under Control" will be prohibited.
xiv	The project proponent shall seek prior clearance from the forest department for access to the commercial complex from Highway.	**To be complied.**
xv	The project proponent is responsible for	**Noted**. We will take the responsibility of

	compliance of all conditions in Environment Condition letter and project proponent can not absolve himself/herself of the responsibility by shifting it to any contractor engaged by the project proponent.	compliance of all applicableconditions of the EC approval.
xvi	The project proponent shall seek fresh Environment Clearance if at any stage there is change in the planning of the project proposed.	**Noted.**We will seek for a new Clearance with any modification in the project.
xvii	Besides the developer/applicant, the responsibility to ensure the compliance of Environmental safeguards/ conditions imposed in the Environmental Clearance letter shall also lie on the license/ licenses in whose name/names the license/CLU has been granted by the Town & Country Planning Department, Haryana.	**To be complied**.
xviii	The project proponent shall get the renewal of licenses of the proposed plotted colony from time to time.	**Noted.**We will get the due renewal of licenses in time.
xix	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&CC, the respective zonal office of CPCB and the SPCB. The criteria pollutant levels namely; $PM_{2.5}$, PM_{10}, SO_X, NO_X, (Ambient level 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.	**Noted**. The status of the ongoing project will be displayed on the project's website time to time and the report will be submitted to the Regional Office of MoEF, HSPCB and the zonal office of HSPCB periodically. The monitoring will be conducted and the results will be displayed.
Xx	The Environmental statement for each financial year ending 31st march in form5 is as mandated to be submitted by the project proponent to the HSPCB, Panchkula as per prescribed under the	**Noted.**

	Environmental 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 sent to the respective Regional officer of MoEF by mail.	

Annexure I
Environment Clearance

State Environment Impact Assessment Authority, Haryana,
Bays No.55-58, Prayatan Bhawan, Sector-2 Panchkula.

Telephone No. 0172-2565232

Memo No: SEIAA/HR/2016/579 Date: 22-7-2016

To,

Countrywide Promoters Private Limited,
Regd. Office: M-11,
Middle Circle, Connaught Circus
New Delhi-110001

Subject: **Request for clarification regarding validity of Environment Clearance "EC" w.r.t. Residential Township Project, at sector- 102 and 102 A, Gurgaon, Haryana: EC approved by SEIAA vide Memo no. SEIAA/HR/2010/957 dated 09.11.2010.**

Sir,

Reference is invited to your letter no. Nil dated 26.05.2016 seeking clarification wherein it has been mentioned that the environmental clearance for development of Residential Township Project at Sector-102 and 102A over an area of 108.068 Acre was granted by SEIAA vide letter no. SEIAA/HR/2010/957 dated 09.11.2010 and the SEIAA vide letter no. SEIAA/HR/2013/1383 dated 12.12.2013 also granted environmental clearance for the expansion of Residential Township Project on a total plot area of 126.674 Acre due to addition of 18.606 Acre of area (108.068 Acre+ 18.606 Acre).

It is intimated that while considering the application of expansion project; the already environmentally cleared existing project and the proposed project under expansion were appraised as one unit by SEAC as per the procedure prescribed in the Notification and the same was recommended for environment clearance. The SEIAA, after due consideration granted environment clearance to the total project as one unit after expansion. The clarification as sought vide referred letter is as under:

1. The environment clearance granted vide letter no. SEIAA/HR/2013/1383 dated 12.12.2013 for expansion project includes already EC granted area of 108.068

Acre and expansion area of 18.606 Acre due to addition of land which means for total area of 126.674 Acre as one unit.

2. Since the environmental clearance granted vide letter no. SEIAA/HR/2013/1383 dated 12.12.2013 is for total area of 126.674 Acre as one unit therefore the six monthly compliance report is to be submitted for the EC granted for 126.674 Acre with effect from the date of issue of EC letter only i.e. 12.12.2013.

Member Secretary
SEIAA, Haryana

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

No. SEIAA/HR/2013/1383 Dated: 12/12/13

To

M/S Countrywide Promoters Private Limited.
Regd Office: M-11, Middle Circle, Connaght Place,
New Delhi- 110001

Subject: **Environmental Clearance for Expansion of Proposed Residential Plotted Colony Project krom 108.068 acres to 126.674 acres at Sector-102 & 102A, Village- Kherkimajra & Dhankot, Gurgaon, Haryana.**

Dear Sir,

This letter is in reference to your application no. Nil dated 04-05-2012 addressed to M.S. SEIAA, Haryana received on 04-05-2012 and subsequent letter dated 18-06-2012 seeking prior Environmental Clearance for the above project under the EIA Notification, 2006. The proposal has been appraised as per prescribed procedure in the light of provisions under the EIA Notification, 2006 on the basis of the mandatory documents enclosed with the application viz., Form-1, Form1-A & Conceptual Plan, EIA/EMP on the basis of approved TOR and additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) constituted by MOEF, GOI vide their Notification 23.3.2012, in its meeting held on 27-06-2012 and 10-05-2013 awarded "Gold" grading to the project.

[2] It is inter-alia, noted that the project involves the construction of Expansion of Residential Plotted Colony Project at Sector-102 & 102A, Village- Kherkimajra & Dhankot, Gurgaon, Haryana. The details of already environmentally cleared area and propose expansion is as under.

Particulars	Existing EC granted	Expansion	Total
Total Area	437335.68 sqmt.	75295.81sqmt.	512631.49 sqmt.
Area Under integrated G.H (I & II)	40509.03 sqmt.	.....	40509.03 sqmt.
Proposed FA Runder integrated G.H	70890.80 sqmt.	.....	70890.80 sqmt.
Area Under Plot	179266.8 sqmt.	38541.81 sqmt.	217808.61 sqmt.
FAR under Plot	229304.23 sqmt.	47255.36 sqmt.	276559.59 sqmt.
Commercial Area	14329.83 sqmt.	3877.79 sqmt.	18207.62 sqmt.
FAR under Commercial	25077.20 sqmt.	6786.14 sqmt.	31863.34 sqmt.
Landscape Area	131199.09 sqmt.	22589.55 sqmt.	153788.64 sqmt.
Total Built up Area of Project	333406.7 sqmt.	146718.95 sqmt.	480125.65 sqmt.
Total No. of Plots	860		
Common Facilities	(Nursery, Primary, High School, Crèche, Club, Religious & commercial Building, Nursing-Home etc.)		
Total Power Demand	38,000 KVA or 38 MVA		
Proposed Parking	1,622 ECS		
Total Project Water Demand	4602 KLD		
Fresh Water Demand	2797 KLD (Existing 2374 KLD + Expansion 423 KLD)		

Total Waste water generation	Existing + Expansion: 3436 KLD
STP Capacity	Existing + Expansion: 4123 KLD
Solid waste generation	9705 kg/day (Existing 6850 kg/day + Expansion 2855 kg/day)
RW H	Exemption from CGWA
Height	60 meter

[3] The State Expert Appraisal Committee, Haryana after due consideration of the relevant documents submitted by the project proponent and additional clarification furnished in response to its observations have recommended the grant of environmental clearance for the project mentioned above, subject to compliance with the stipulated conditions. Accordingly, the State Environment Impact Assessment Authority in its meeting held on 29-11-2013 decided to agree with the recommendations of SEAC to accord necessary environmental clearance for the project under Category 8(b) of EIA Notification 2006 subject to the strict compliance with the specific and general conditions mentioned below:-

PART A-

SPECIFIC CONDITIONS:-

Construction Phase:-

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

[2] A first aid room as proposed in the project report shall be provided both during construction and operational phase of the project.

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

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

[5] The project proponent shall ensure that the building material required during construction phase is properly stored within the project area and disposal of construction waste should not create any adverse effect on the neighboring communities and should be disposed of after taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

[6] Construction spoils, including bituminous material and other hazardous materials, must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water and any hazardous waste generated during construction phase, should be disposed off as

per applicable rules and norms with necessary approval of the Haryana State Pollution Control Board.

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

[8] The diesel required for operating DG sets shall be stored in underground tanks and if required, clearance from Chief Controller of Explosives shall be taken.

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

[10] Fly ash should be used as building material in the construction as per the provisions of Fly Ash Notification of September 1999 and as amended on 27th August 2003.

[11] Storm water control and its re-use as per CGWB and BIS standards for various applications should be ensured.

[12] Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices.

[13] In view of the severe constrains in water supply augmentation in the region and sustainability of water resources, the developer will submit the NOC from CGWA specifying water extraction quantities and assurance from HUDA/ utility provider indicating source of water supply and quantity of water with details of intended use of water – potable and non-potable. Assurance is required for both construction and operation stages separately. It shall be submitted to the SEIAA and RO, MOEF, Chandigarh before the start of construction.

[14] Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material.

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

[16] 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.

[17] Overexploited groundwater and impending severe shortage of water supply in the region requires the developer to redraw the water and energy conservation plan.

Developer shall reduce the overall footprint of the proposed development. Project proponent shall incorporate water efficiency /savings measures as well as water reuse/recycling within 3 months and before start of construction to the SEIAA, Haryana and RO, MOEF, GOI, Chandigarh.

[18] 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.

[19] The Project Proponent shall obtain assurance from the DHBVN for supply of 38000 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.

[20] Detail calculation of power load and ultimate power load of the project shall be submitted to DHBVN under intimation to SEIAA Haryana before the start of construction. Provisions shall be made for electrical infrastructure in the project area.

[21] The Project Proponent shall not raise any construction in the natural land depression / Nallah/water course and shall ensure that the natural flow from the Nallah/water course is not obstructed.

[22] The Project Proponent shall keep the plinth level of the building blocks sufficiently above the level of the approach road to the Project as per prescribed by-laws. Levels of the other areas in the Projects shall also be kept suitably so as to avoid flooding.

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

[24] The Project Proponent shall submit an affidavit with the declaration that ground water will not be used for construction and only treated water should be used for construction.

[25] The project proponent shall not cut any existing tree and project landscaping plan should be modified to include those trees in green area.

[26] The project proponent shall ensure that ECBC norms for composite climate zone are met. In particular building envelope, HVAC service, water heating, pumping, lighting and electrical infrastructure must meet ECBC norms.

[27] The Project Proponent shall provide 3 meter high barricade around the project area, dust screen for every floor above the ground, proper sprinkling and covering of stored material to restrict dust and air pollution during construction.

[28] The project proponent shall construct a sedimentation basin in the lower level of the project site to trap pollutant and other wastes during rains.

[29] The project proponent shall provide proper Rasta of proper width and proper strength for each project before the start of construction.

[30] 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.

[31] The project proponent shall adequately control construction dusts like silica dust, non-silica dust, wood dust. Such dusts shall not spread outside project premises. Project Proponent shall provide respiratory protective equipment to all construction workers.

[32] The project proponent shall provide one refuse area till 24 meter and one till 39 meter as per National Building Code.

[33] The project proponent shall provide fire control room and fire officer for building above 30 meter as per National Building Code.

[34] The project proponent shall obtain permission of Mines and Geology Department for excavation of soil before the start of construction.

[35] 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.

[36] 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.

[37] The project proponent shall develop complete civic infrastructure of the Group Housing colony including internal roads, green belt development, sewerage line, Rain Water recharge arrangements, Storm water drainage system, Solid waste management site and provision for treatment of bio-degradable waste, STP, water supply line, dual plumbing line, electric supply lines etc. and shall offer possession of the units/flats thereafter.

[38] The project proponent shall provide helipad facility as required under NBC norms and shall seek permission of helipad from AAI accordingly.

[39] All system of water supply, sewerage system, STP etc. shall be provided based on revised requirement of 135 lpcd.

[40] The project proponent shall ensure that the plinth level of the building block to be 1.5 meter above 100 years flood level of the said Najafgarh Jheel.

[41] The project proponent shall obtain NOC from HUDA as well as Irrigation Department before the start of construction, regarding possible adverse effect of project proposal on the said Najafgarh Jheel.

[42] The project proponent shall not raise any construction activity in the ROW reserved/acquired for High Tension Wire passing through the project area and shall maintain horizontal and vertical ROW as required under Indian Electricity Rules, 1956/DHBVN latest instructions.

[43] The project shall have the provision for infrastructure services (water supply, sewer, storm water lines etc) to accommodate the additional load arising from population residing in other lands falling within the project limits/vicinity.

[44] The project proponent shall maintain the distance between STP and water supply line.

[45] The project proponent shall ensure that no construction activity is undertaken either on surface or below or above surface of revenue rasta passing through the project area.

[46] The project proponent shall indicate the width and length of revenue rasta passing through the project area on sign board and shall display the same at both the ends of revenue rasta stretch, for awareness of public. Sign board shall also display the message that this is public rasta/road and any citizen can use it. There shall not be any gate with or without guards on revenue rasta.

[47] Rain water harvesting has not been proposed. The project proponent shall make alternate arrangement for disposal of storm water and excess of treated sewage from STP into storm drainage & sewerage system of HUDA respectively.

[48] The project proponent shall provide helipad facility as required under NBC norms and shall seek permission of helipad from AAI accordingly /relevant authority.

[49] The project proponent shall submit NOC from Airport Authority regarding height clearance.

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 should be certified by an independent expert and a report in this regard should be submitted to the SEIAA, Haryana before the project is commissioned for operation. Tertiary treatment of waste water is mandatory. Discharge of treated sewage shall conform to the norms and standards of HSPCB, Panchkula. Project Proponent shall implement such STP technology which does not require filter backwash.

[c] Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD level less than 10 mg/litre and the recycled water will be used for flushing, gardening and DG set cooling etc.

[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 should be in the basement as promised by the project proponent with appropriate stack height i.e. above the roof level as per the CPCB norms. The diesel used for DG sets should be ultra low sulphur diesel (0.05% sulphur), instead of low sulphur diesel.

[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 Commercial Complex.

[g] The project proponent as stated in the proposal shall maintain at least 30.01% as green cover area for tree plantation especially all around the periphery of the project and on the road sides preferably with local species which can provide protection against noise and suspended particulates matter. The open spaces inside the project should be preferably landscaped and covered with vegetation/grass, herbs & shrubs. Only locally available plant species shall be used.

[h] The project proponent shall strive to minimize water in irrigation of landscape by minimizing grass area, using native variety, xeriscaping and mulching, utilizing efficient irrigation system, scheduling irrigation only after checking evapo-transpiration data.

[i] Rain water harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre- treatment through sedimentation tanks must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging shall be kept at least 5 mts. above the highest ground water table. Care shall be taken that contaminated water do not enter any RWH pit. The project proponent shall avoid Rain Water Harvesting of first 10 minutes of rain fall. Roof top of the building shall be without any toxic material or paint which can contaminate rain water. Wire mess and filters should be used wherever required.

[j] The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.

[k] There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be utilized.

[l] 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.

[m] Energy conservation measures like installation of only LED 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.

[n] 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.

[o] The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2000 and as amended from time to time. The bio-degradable waste should be treated by appropriate technology at the site ear-marked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.

[p] 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.

[q] 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.

[r] The Project shall be operationalized only when HUDA/local authority will provide domestic water supply system in the area.

[s] Operation and maintenance of STP, solid waste management and electrical Infrastructure, pollution control measures shall be ensured even after the completion of sale.

[t] Different type of wastes should be disposed off as per provisions of municipal solid waste, biomedical waste, hazardous waste, e-waste, batteries & plastic rules made under Environment Protection Act, 1986. Particularly E-waste and Battery waste shall be disposed of as per existing E-waste Management Rules 2011 and Batteries Management Rules 2001. The project proponent should maintain a collection center for E-waste and it should be disposed of to only registered and authorized dismantler / recycler.

[u] Standards for discharge of environmental pollutants as enshrined in various schedules of rule 3 of Environment Protection Rule 1986 shall be strictly complied with.

[v] 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.

[w] The project proponent shall ensure that the stack height of DG sets is as per the CPCB guide lines and also ensure that the emission standards of noise and air are within the CPCB prescribed limits. Noise and Emission level of DG sets greater than 800 KVA shall be as per CPCB latest standards for high capacity DG sets.

[x] All electric supply exceeding 100 amp, 3 phase shall maintain the power factor between 0.98 lag to 1 at the point of connection.

[y] The project proponent shall minimize heat island effect through shading and reflective or pervious surface instead of hard surface.

[z] The project proponent shall use only treated water instead of fresh water for HVAC and DG cooling. The Project Proponent shall also use evaporative cooling technology and double stage cooling system for HVAC in order to reduce water consumption. Further temperature, relative humidity during summer and winter seasons should be kept at optimal level. Variable speed drive, best Co-efficient of Performance, as well as optimal integrated point load value and minimum outside fresh air supply may be resorted for conservation of power and water. Coil type cooling DG Sets shall be used for saving cooling water consumption for water cooled DG Sets.

[aa] The project proponent shall ensure that the transformer is constructed with high quality grain oriented, low loss silicon steel and virgin electrolyte grade copper. The project proponent shall obtain manufacturer's certificate also for that.

[ab] Water supply shall be metered among different users of utilities.

[ac] The project proponent shall ensure that exit velocity from the stack should be sufficiently high. Stack shall be designed in such a way that there is no stack down-water under any meteorological conditions.

[ad] 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.

[ae] 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.

PART-B. GENERAL CONDITIONS:

[i] The Project Proponent shall ensure the commitments made in Form-1, Form-1A, EIA/EMP and other documents submitted to the SEIAA for the protection of environment and proposed environmental safeguards are complied with in letter and spirit. In case of contradiction between two or more documents on any point, the most environmentally friendly commitment on the point shall be taken as commitment by project proponent.

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

[iii] STP outlet after stabilization and stack emission shall be monitored monthly. Other environmental parameters and green belt shall be monitored on quarterly basis. After every 3 (three) months, the project proponent shall conduct environmental audit and shall take corrective measure, if required, without delay.

[iv] The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information has been given for getting approval of this project. SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the 10 satisfaction of SEIAA/MoEF.

[v] The Project proponent shall not violate any judicial orders/pronouncements issued by any Court/Tribunal.

[vi] All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, Forest Conservation Act, 1980 and Wildlife (Protection) Act, 1972, Forest Act, 1927, PLPA 1900, etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.

[vii] The Project proponent should inform the public that the project has been accorded Environment Clearance by the SEIAA and copies of the clearance letter are available with the Haryana State Pollution Control Board & SEIAA. This should be advertised within 7 days from the date of issue of the clearance letter at least in two local newspapers that are widely circulated in the region and the copy of the same should be forwarded to SEIAA Haryana. A copy of Environment Clearance conditions shall also be put on project proponent's web site for public awareness.

[viii] Under the provisions of Environment (Protection) Act, 1986, legal action shall be initiated against the Project Proponent if it was found that construction of the project has been started before obtaining prior Environmental Clearance.

[ix] Any appeal against the this Environmental Clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

[x] The project proponent shall put in place Corporate Environment Policy as mentioned in MoEF, GoI OM No. J-11013/41/2006-IA II (I) dated 26.4.2012 within 3 months period. Latest Corporate Environment Policy should be submitted to SEIAA within 3 months of issuance of this letter.

[xi] The fund ear-marked for environment protection measures should be kept in separate account and should not be diverted for other purposes and year wise expenditure shall be reported to the SEIAA/RO MoEF, GoI under rules prescribed for Environment Audit.

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

[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 prior clearance from the forest department for access to the commercial complex from Highway.

[xv] The project proponent is responsible for compliance of all conditions in Environmental Clearance letter and project proponent can not absolve himself /herself of the responsibility by shifting it to any contractor engaged by project proponent.

[xvi] The project proponent shall seek fresh Environmental clearance if at any stage there is change in the planning of the proposed project.

[xvii] Besides the developer/applicant, the responsibility to ensure the compliance of Environmental Safeguards/ conditions imposed in the Environmental Clearance letter shall also lie on the licensee/licensees in whose name/names the license/CLU has been granted by the Town & Country Planning Department, Haryana.

[xviii] The project proponent shall get the renewal of licenses of the proposed plotted colony from time to time.

[xix] The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO_2, NOx (ambient levels as well as stack emissions) or critical 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.

[xx] 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.

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

Endst. No. SEIAA/HR/2013 Dated:.....

A copy of the above is forwarded to the following:

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

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

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

No. SEIAA/HR/2010 957 Dated: 9-11-10

To

M/S Countrywide Promoters Pvt.Ltd.,
M-11, Middle Circle, Connaught Circus,
New Delhi- 110001

Subject: **Environmental Clearance for Residential Township Project, at Sector-102 & 102A, Village- Kherkimajra, Dhankot & Dhanuwapur, District –Gurgaon, Haryana.**

Dear Sir,

This has reference to your application No. Nil dated 12.04.2010 received in the office of MS SEIAA on 10.08.2010 and subsequent letters dated 07.09.2010 & 29.07.2010 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 the additional clarifications furnished in response to the observations of the State Expert Appraisal Committee (SEAC) constituted by MOEF, GOI vide their Notification 21.4.2008, in its meetings held on 23.06.2010 & 14.09.2010 and awarded **"Gold"** grading to the project.

[2] It is interalia, noted that the project involves Construction of proposed Residential Township Project, at Sector-102 & 102A, Village- Kherkimajra, Dhankot & Dhanuwapur, District –Gurgaon, Haryana. The total plot area of Proposed Residential plotted colony (Township) project is 108.068 Acres. The 44.30 Acres of project area reserved for plotted development, 10.01 Acres of project area reserved for Group Housing -1 & Grouping Housing-2, 3.55 Acres of project area reserved for commercial purpose and 4.25 Acres of project area reserved for community services. The total built-up area will be 333406.7 sqmt.

The Township Project will have 678 plots, 634 dwelling units, Schools, Religious buildings, Post Office, Police Post, Club, Community Centre, Multipurpose Booths etc. The project proponent will meet requirement of the 259 KLD (GH-1), 259 KLD (GH-2) & 1856 KLD (plotted, commercial & community) of fresh water from HUDA / Existing Bore-wells. The Project Proponent will adopt appropriate treatment technology for treatment of Bore-well water for making it potable. 223 KLD (GH-1), 223 KLD (GH-2) & 1596 KLD (plotted, commercial & community) of waste water will be generated which will be treated in the STP's of 260 KLD (GH-1), 260 KLD (GH-2) & 1900 KLD (plotted, commercial & community) capacity by primary, secondary and tertiary treatment. Entire treated water will be recycled & reused leading to zero discharge. Total solid waste generation will be 6.85 MT per day which will be disposed off as per Solid Waste Management & Handling Rules. The project proponent has proposed to use bio-degradable waste for composting within the project area. The power requirement is 25 MVA which will be supplied by HBVN. The total parking spaces proposed are for 832 ECS (Group Housing) & 510 ECS (Commercial). Total cost of the project is Rs.300 crores.

[3] The State Expert Appraisal Committee, Haryana after due consideration of the relevant documents submitted by the project proponent and additional clarification furnished in response to its observations have recommended the grant of environmental clearance for the project mentioned above subject to compliance with the stipulated conditions. Accordingly, the State Environment Impact Assessment Authority hereby accords necessary environmental clearance for the project under Category 8(b) of EIA Notification 2006 subject to the strict compliance with the specific and general conditions mentioned below:-

PART A-

SPECIFIC CONDITIONS:-

Construction Phase:-

[i] A first aid room as proposed in the project report will be provided in both during construction and operation phase of the project.

[ii] Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. Open defecation by the laboures is strictly prohibited. The safe disposal of waste water and solid wastes generated during the construction phase should be ensured.

[iii] All the topsoil excavated during construction activities should be stored for use in horticulture/landscape development within the project site.

[iv] Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed off taking necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.

[v] 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.

(vi) 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.

[vii] 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.

[viii] Ambient noise levels should conform to the residential and commercial standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be taken to reduce ambient air and noise level during construction phase, so as to conform to the stipulated residential standards and commercial standards

[ix] 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.

[x] Ready mixed concrete must be used in building construction.

[xi] Storm water control and its re-use as per CGWB and BIS standards for various applications should be ensured.

[xii] Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.

[xiii] Permission from Competent Authority for supply of water shall be obtained prior to operation of the project.

[xiv] Roof should meet prescriptive requirement as per Energy Conservation Building Code by using appropriate thermal insulation material to fulfill requirement.

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

[xvi] The approval of the competent authority shall be obtained for structural safety of the building due to 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.

[xvii] The project proponent will use water for construction phase through tankers. However, prior permission from CGWA will be taken before using the bore well water for construction purposes.

[xviii] The project proponent will construct 50 (Fifty) no. of rain water harvesting pits for recharging the ground water within the project premises.

[xix] The PP should provide hydraulic ladder for escape of people during fire.

Operation Phase:

[i] The STP shall be installed for the treatment of the sewage generated to the prescribed standards including odour and treated effluent will be recycled to achieve zero exit discharge. The STP should be installed at the remotest place in the project area.

[ii] Separation of the grey and black water should be done by the use of dual plumbing line. Treatment of 100% grey water by decentralized treatment should be done ensuring that the re-circulated water should have BOD maximum 10 pm and the recycled water will be used for flushing, gardening and DG set cooling and running of fountain in the water body.

[iii] For disinfection of the waste water ultra violate radiation or ozonization should be used.

[iv] The solid waste generated should be properly collected and segregated. Bio-degradable waste will be decomposed at site and dry/ inert solid waste should be disposed off to approved sites for land filling after recovering recyclable material.

[v] Diesel power generating sets proposed as source of back up power for lifts, common area illumination and for domestic use should be of enclosed type and conform to rules made under the Environment (Protection) Act, 1986. The location of the DG sets should be in the basement as promised by the project proponent with appropriate stack height i.e above the roof level as per the CPCB norms. The diesel used for DG sets should be of low sulphur contents (maximum 0.25%).

[vi] Ambient Noise level should be controlled to ensure that it does not exceed the prescribed standards both within and at the boundary of the Proposed Residential and commercial Complex

[vii] The project proponent should maintain at least 20% 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 particulates and noise. The open spaces inside the plot should be preferably landscaped and covered with vegetation/grass.

[viii] Weep holes in the compound front walls shall be provided to ensure natural drainage of rain water in the catchments area during the monsoon period.

[ix] Rain water harvesting for roof run-off and surface run-off, as per plan submitted should be implemented. Before recharging the surface run off, pre-treatment through sedimentation tanks must be done to remove suspended matter, oil and grease. The bore well for rainwater recharging should be kept at least 5 mts. above the highest ground water table.

[x] The ground water level and its quality should be monitored regularly in consultation with Central Ground Water Authority.

[xi] There should be no traffic congestion near the entry and exit points from the roads adjoining the proposed project site. Parking should be fully internalized and no public space should be utilized.

[xii] 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 submit to the SEIAA, Haryana in three months time.

[xiii] Energy conservation measures like installation of CFLs/TFLs for lighting the areas outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs and TFLs should be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination. Use of solar panels must be adapted to the maximum extent possible for energy conservation.

[xiv] The solid waste generated should be properly collected and segregated as per the requirement of the MSW Rules, 2000 and as amended from time to time. The bio-degradable waste should be composted by vermi-composting at the site ear marked within the project area and dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.

[xv] 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.

[xvi] The project proponent will use the water from the already existing tube wells for domestic purposes only after getting permission from CGWA or will use water supply from HUDA whichever is earlier during operation phase.

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

[xviii] The Project Proponent shall install solar panel of 25 KW in the Project area.

[xix] The project will not be operationalised until the water is available to the residents.

PART-B. GENERAL CONDITIONS:

[i] The environmental safeguards contained in the EIA/EMP Report should be implemented in letter and spirit.

[ii] Six monthly compliance reports should be submitted to the HSPCB and Regional Office, MOEF, GOI, Northern Region, Chandigarh and a copy to the SEIAA Haryana.

[iii] The SEIAA, Haryana reserves the right to add additional safeguard measures subsequently, if found necessary. Environmental Clearance granted will be revoked if it is found that false information has been given for getting approval of this project.

[iv] The PP will start construction only after getting NOC from the Forest department that the area under consideration does not fall under section -4 and 5 PLPA-1900.

[v] 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, Forest Act, 1927 etc. shall be obtained, as applicable by project proponents from the respective authorities prior to construction of the project.

[vi] The PP will not violate any judicial orders/pronouncements issued by the Hon'ble Supreme Court/High Courts.

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

Endst. No. DEH/10/SEIAA/ Dated:.....

A copy of the above is forwarded to the following:

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

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

Annexure II

Ambient Air, Ambient Noise and Soil Test Report

NOIDA TESTING LABORATORIES

(A Government Approved Testing Laboratory)

(An ISO :9001 : 2015 & ISO 45001 : 2018 Certified Laboratory)

MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB & HSPCB Recognized Laboratory

☎ +91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Soil Quality Analysis	SS-050421-03	10/04/2021

Issued To: M/s Countrywide Promoters Pvt. Ltd.

Project of Name : Amstoria "Expansion Of Residential Plotted Colony Project", Sector-102 & 102A, Village-Kherkimajra & Dhankot, Gurgaon

SAMPLING & ANALYSIS DATA

Sample Received On : 05/04/2021
Sample Description : Soil Sample
Sample Quantity : 2.0 Kg
Sampling Location : Project Site
Analysis Duration : 05/04/2021 To 09/04/2021

Sl.No.	Parameters		Results	Test Method
1.	pH		7.26	IS:2720(Part-26)
2.	Conductivity (µmhos/cm)		358.00	IS:2720(Part-21)
3.	Sodium (as Na)(mg/kg)		61.49	STP/SOIL
4.	Water holding capacity (%)		40.03	STP/SOIL
5.	Potassium (as K) (mg/kg)		225.48	STP/SOIL
6.	Texture	Sand (% by mass)	62.00	STP/SOIL
		Clay (% by mass)	19.00	STP/SOIL
		Silt (% by mass)	19.00	STP/SOIL
7.	Calcium (as Ca)(mg/kg)		151.00	STP/SOIL
8.	Magnesium (as Mg) (mg/kg)		63.24	STP/SOIL
9.	SAR		0.84	STP/SOIL
10.	CEC(meq/100gm)		2.35	STP/SOIL
11.	Available Phosphorus(as P),(mg/kg)		10.60	STP/SOIL
12.	Organic carbon (%)		0.54	STP/SOIL
13.	Porosity(% by mass)		36.15	STP/SOIL
14.	Permeability (cm/hr)		1.53	STP/SOIL
15.	Bulk Density(kg/cm^3)		1.06	STP/SOIL
16.	TKN%		0.03	STP/SOIL

Notes:

1. The results given above are related to the tested sample, as received & mentioned parameters the customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of our laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

Checked by

Authorized Signatory

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301
Branch Office : IP-2, Haridwar, Uttrakhand
Branch Office : Gayatri Nagar, Kalgodam, Haldwani, Uttrakhand
E. : noida.laboratory@gmail.com, info@noidalabs.com **W.:** www.noidalabs.com

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☎ +91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Noise	N-050421-02	10/04/2021

Issued To: M/s Countrywide Promoters Pvt. Ltd.

Project of Name : Amstoria "Expansion Of Residential Plotted Colony Project", Sector-102 & 102A, Village-Kherkimajra & Dhankot, Gurgaon

SAMPLING & ANALYSIS DATA

Sample Drawn On	:	05/04/2021
Sample Drawn	:	Laboratory
Sample Received On	:	05/04/2021
Sample description	:	Ambient Noise
Sampling Location	:	Project Site
Sampling Time	:	24hrs
Category of Area/ Zone	:	Residential Zone

TEST RESULT

S. No	Test Parameters	Results	Units	Requirement (as per CPCB Guidelines Limits in dB (A) Leq		
				Category of Area/ Zone	Day Time	Night Time
1.	EQUIVALENT NOISE LEVEL (6.0 AM TO 10.0 PM)	53.5	dB(A)	Industrial Area	75	70
2.	EQUIVALENT NOISE LEVEL (10.0 PM TO 6.0 AM)	38.9	dB(A)	Commercial Area	65	55
				Residential Area	55	45
				Silence Zone	50	40

Notes:

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed off after two weeks from the date of issue of test report, unless otherwise specified by the customer.

CHECKED BY

NOIDA TESTING LABORATORIES

AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, Noida Gautam Budh Nagar - 201301

Branch Office : IP-2, Haridwar, Uttrakhand

Branch Office : Gayatri Nagar, Katgodam, Haldwani, Uttrakhand

E. : noida.laboratory@gmail.com, info@noidalabs.com **W.:** www.noidalabs.com

NOIDA TESTING LABORATORIES

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MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB & HSPCB Recognized Laboratory

☎ +91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Ambient Air Quality Analysis	AAQ-050421-01	10/04/2021

Issued To: M/s Countrywide Promoters Pvt. Ltd.

Project of Name : Amstoria "Expansion Of Residential Plotted Colony Project", Sector-102 & 102A, Village-Kherkimajra & Dhankot, Gurgaon

SAMPLING & ANALYSIS DATA

Sample Drawn By	:	NTL
Date of Sampling	:	05/04/2021
Sample Description	:	Ambient Air
Sampling Location	:	Project Site
Sampling Plan &Procedure	:	SOP-AAQ/08
Analysis Duration	:	05/04/2021 to09/04/2021
Average Flow Rate of SPM (m^3/min.)	:	1.12
Average Flow Rate of Gases (lpm)	:	1.0
Sampling Instrument Used	:	Respirable Dust Sampler (PM_{10}) Fine Particulate Sampler (PM2.5) With Gaseous Attachment
Weather Condition	:	Clear

TEST RESULT

S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM_{10})	IS:5182 Part-XXIII	212.98	µg /m^3	100.0
2.	Particulate Matter ($PM_{2.5}$)	CPCB Volume – I / Gravimetric	156.60	µg /m^3	60.0
3.	Sulphur dioxide (as SO_2)	IS:5182 Part-II	23.22	µg /m^3	80.0
4.	Nitrogen dioxide (as NO_2)	IS:5182 Part-VI	40.69	µg /m^3	80.0
5.	Carbon monoxide (as CO)	IS:5182 Part-VI	<1.15	mg /m^3	4.0

Notes:

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
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3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. This test report will not be used for any publicity/legal purpose.
5. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

CHECKED BY

NOIDA TESTING LABORATORIES NTL

AUTHORIZED SIGNATORY

Annexure III

Photograph of First Aid Box

FIRST AID BOX

Annexure IV

Forest NOC & Arawali

Annexure-V

From: Dy. Conservator of Forests,
Gurgaon, Haryana.

To, **M/s Countrywide Promotors Pvt. Ltd.**
M-11 , Middle Circle, Connaught Place,
New Delhi-110001

No: -9337-G Date:- 3/10/13

Sub.: Clarification regarding Applicability of forest laws on Non Forest land Applied by **M/s Countrywide Promotors Pvt. Ltd.** land located at Village **Kherki Majra, Dhankot** District-**Gurgaon.**

Applicant **M/s Countrywide Promotors Pvt. Ltd. M-11 , Middle Circle, Connaught Place, New Delhi-110001** vide letter no. **Nil** dated **20.05.2013** made a request in connection with land measuring **6.381 Acres** having Rect. No. **57** Kila No. **1/2** Rect. No.**58** Kila No. **2/2, 6/1, 6/2** Rect. No. **59** Kila No **6** Rect. No. **60** Kila No **4/1, 4/2, 5/1, 5/2, 6, 7** land located at **village Kherki Majra** and land measuring **12.2875 Acres** having Rect. No.**56** Kila No. **11/2, 12, 18, 19, 20, 21/1, 21/2, 25** Rect. No.**57** Kila No. **1/2, 2/1, 2/2, 3/1, 3/2, 4, 5, 7, 8, 9/1, 9/2, 10/1** at village **Dhankot (Total land measuring 18.668)** District Gurgaon. Applicant made a proposal to use this land for **Residential Township Purpose.** In continuation of report submitted by RFO,**Gurgaon** vide Letter No.**810-G** dated 01.10.2013 It is made clear that:

a) As per records available above said land is not part of notified Reserved Forest, Protected Forest under Indian Forest Act, 1927 or any area closed under section 4 & 5 of Punjab Land Preservation Act, 1900.

b) It is clarified that by the Notification No. S.O.8/P.A 2/1900/S.4/2013 dated 4th January, 2013, whole Revenue Estate of Gurgaon is notified u/s 4 of PLPA 1900 and S.O.81/PA.2/1900/S.3/2012 dated 19th December, 2012 u/s 3 of PLPA 1900. The area is however not recorded as forest in the Government record but felling of any tree is strictly prohibited without the permission of Divisional Forest Officer, Gurgaon

c) If approach is required from Protected Forest by the user agency, the clearance/regularization under Forest Conservation Act 1980 will be required. Without prior clearance from Forest Department, the use of Forest land for approach road is strictly prohibited **M/s Countrywide Promotors Pvt. Ltd.** whose land is located at village **Kherki Majra & Dhankot** District Gurgaon must obtain clearance as applicable under Forest Conservation Act 1980.

d) As per the records available with the Forest Department, Gurgaon, the area does not fall in areas where plantations were raised by the Forest Department under Aravalli project.

e) All other statutory clearances mandated under the Environment Protection Act.1986, as per the notification of Ministry of Environment and Forests, Government of India, dated 07-05-1992 or any other Act/order shall be obtained as applicable by the project proponents from the concerned authorities.

f) The project proponent will not violate any Judicial Order/ direction issued by the Hon'ble Supreme Court/ High Courts.

g) It is clarified that the Hon'ble Supreme Court has issued various judgments dated 07.05.2002, 29.10.2002, 16.12.2002, 18.03.2004, 14.5.2008 etc. pertaining to Aravalli region in Haryana, which should be complied with.

h) It shall be the responsibility of user agency/applicant to get necessary clearances/permissions under various Acts and Rules applicable if any, from the respective authorities/Department.

Dy. Conservator of Forest,
Gurgaon.

Date:
Place. **Gurgaon.**

Endst.No. Dated:

A copy is forwarded to:-

1. Conservator of Forests, South Circle, Gurgaon for Kind information.
2. D.G, T.C.P, Ayojana Bhawan, Sec-18, Madhya Marg, Chandigarh for kind information.
3. Dy Commissioner, Gurgaon for kind information.
4. Guard File.

Dy. Conservator of Forest,
Gurgaon.

प्रेषक

उपायुक्त, गुडगांव।

सेवा में

M/s Countrywide promoters Pvt. Ltd.

कमांक 3531 /एस0ओ02 दिनांक 30-8-13

विषयः Verification regarding application of Aravali Notification for deciding the Environmental Clearance Case of Expansion of residential Plotted Colony project from 108.068 acres to 126.674 acres (admeasuring 18.606 acres) located at sector 102 & 102A, village Dhankot & Kherki Majra, District Gugaon, being developed by M/s Countrywide promoters Pvt. Ltd.

यादि

उपरोक्त विषय पर आपके प्रार्थना पत्र के सन्दर्भ में ।

विषयाधीन मामले में इस कार्यालय द्वारा तहसीलदार गुडगांव व उप–वन संरक्षक गुडगांव से रिपोर्ट प्राप्त की गई जो निम्न प्रकार है :–

<u>तहसीलदार गुडगांव</u> :– तहसीलदार गुडगांव के कार्यालय के पत्र कमांक 2325/ओ0अे0 दिनांक 07.10.2013 द्वारा इस कार्यालय मे प्राप्त रिपोर्ट अनुसार मौजा खेडकी माजरा की अराजी किला नं0 59//3, 4/2, 7, 8, 9/1, 9/2, 11/2, 12, 13, 14, 18, 19, 20, 21/1, 4/1, 5/1, 5/2, 2/1/2, 54//24, 25, 58//1/1/1, 1/2/1, 60//16, 17/3/1, 25/2, 58//14, 15, 57//11, 55//21/2, 22/1, 55//21/1, 58//4, 5/1, 7/1, 7/2, 8/1, 57//10/2, 20, 58//2/1, 62//14, 15/1, 45//3, 42//22/1/1, 22/2, 23, 24, 59//15, 16, 17, 24, 22/2, 23, 45//4, 5, 63//2/2, 3/1, 3/2, 64//3/2, 6/2, 4, 5/1, 7/2, 8, 62//5/1, 6, 52//13/2, 18/2/1, 23/1/2, 57//21/1, 58//16, 17, 24, 25/1/1, 25/1/2, 25/2, 64//9, 11/1, 12/1, 13/1, 14/1, 59//25, 63//5/1, 4, 6,/1/1, 64//10, 63//8, 13/2/1, 14/1, 63//6/1/2, 7, 6/5, 15/1/1, 15/2/1, 58//10, 11, 12, 13, 18, 19, 58//20, 23/1/1, 64//1, 2, 3/1, 58//23/2, 21, 22, 23/1/2, 47//24/2, 25/2, 52//4/2, 5, 6, 7/1, 14/2, 52//15, 16, 17, 18/1, 24, 25, 53//23, 24, 25, 54//11/1, 11/2 12/2, 19, 20, 21, 22, 60//3, 61//4, 5, 53//13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 59//1, 2, 60//6, 7, 4/2, 5/2, 4/1, 5/1, 57//1/2, 58//6/1, 6/2, 2/2 व मौजा धनकोट के कीला नं0 56//22, 23, 24, 20, 25, 57//3/2, 4, 5, 7, 2/2, 3/1, 9/2, 57//8, 56//11/2, 12, 18, 19, 21/1, 21/2, 57//5/2, 2/1, 9/2, भूमि 07.05.1992 के पश्चात की किस्म अनुसार जगाबन्दी साल 2003–04 चाही है। उपरोक्त भूमि अरावली क्षेत्र मे नही है। 07.05.1992 के नोटिफिकेशन से पूर्व चकाबन्दी बन्दोबस्त तक भूमि की किस्म गैर मुमकिन पहाड, गैर मुमकिन राडा, गैर मुमकिन बीहड, बजर बीहड, रून्ध आदि नही रही है।

उप–वन संरक्षक, गुडगांव के कार्यालय के पत्र कमांक 2397–जी दिनांक 10.10.2013 व पत्र कमांक 1171–74 दिनांक 05.07.2013 द्वारा इस कार्यालय मे प्राप्त रिपोर्ट अनुसार **M/s Countrywide promoters Pvt. Ltd.** vide letter No. Nil dated 20-05-2013 & 12.07.2011 made a request in connection with land measuring 108.068+ 18.668acres (Total 126.674 acres) having 59//3, 4/2, 7, 8, 9/1, 9/2, 11/2, 12, 13, 14, 18, 19, 20, 21/1, 4/1, 5/1, 5/2, 2/1/2, 54//24, 25, 58//1/1/1, 1/2/1, 60//16, 17/3/1, 25/2, 58//14, 15, 57//11, 55//21/2, 22/1, 55//21/1, 58//4, 5/1, 7/1, 7/2, 8/1, 57//10/2, 20, 58//2/1, 62//14, 15/1, 45//3, 42//22/1/1, 22/2, 23, 24, 59//15, 16, 17, 24, 22/2, 23, 45//4, 5, 63//2/2, 3/1, 3/2, 64//3/2, 6/2, 4, 5/1, 7/2, 8, 62//5/1, 6, 52//13/2, 18/2/1, 23/1/2, 57//21/1, 58//16, 17, 24, 25/1/1, 25/1/2, 25/2, 64//9, 11/1, 12/1, 13/1, 14/1, 59//25, 63//5/1, 4, 6,/1/1, 64//10, 63//8, 13/2/1, 14/1, 63//6/1/2, 7, 6/5, 15/1/1, 15/2/1,

58//10, 11, 12, 13, 18, 19, 58//20, 23/1/1, 64//1, 2, 3/1, 58//23/2, 21, 22, 23/1/2, 47//24/2, 25/2, 52//4/2, 5, 6, 7/1, 14/2, 52//15, 16, 17, 18/1, 24, 25, 53//23, 24, 25, 54//11/1, 11/2 12/2, 19, 20, 21, 22, 60//3, 61//4, 5, 53//13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 59//1, 2, 60//6, 7, 4/2, 5/2, 4/1, 5/1, 57//1/2, 58//6/1, 6/2, 2/2 & village Dhankol 58//22, 23, 24, 20, 25, 57//3/2, 4, 5, 7, 2/2, 3/1, 9/2, 57//8, 56//11/2, 12, 18, 19, 21/1, 21/2, 57//5/2, 2/1, 9/2, Applicant made a proposal to use this land for Residential Township Purpose. In Continuation of report submitted by RFO, Gurgaon vide letter no. 810-G dated 01-10-2013 & 579 dated 14.09.2011 it is made clear that:

a As per record available above said land is not part of notified Reserved Forest, Protected Forest under Indian Forest Act, 1927 or any area closed under section 4 & 5 of Punjab Land Preservation Act 1900.

B It is clarified that by the notification no. S.O.8/P.A2/ 1900/S.4/2013 dated 4th January 2013 all Revenue Estate of Gurgaon Tehsil is notified u/s 4 of PLPA 1900 and S.O. 81/PA.2/1900/S.3/12 dated 19th December 2012 u/s 3 of PLPA 1900. The area is however not recorded as forest in the Government record but felling of any tree is strictly prohibited without the permission of Divisonal Forest Officer, Gurgoan.

C If approach is required from Protected Forest by the user agency, the clearance/regularization under Forest Conservation Act, 1980 will be required without prior clearance from Forest Department, the user of Forest land for approach road is strictly prohibited M/s Countrywide promoters Pvt. Ltd. whose land is located at village Kherki Majra and Dhankot, District Gurgaon must obtain clearance as applicable under Forest Conservation Act 1980.

D As per records available with the forest Department Gurgaon, the area does not fall in areas where plantations were raised by the Forest Department under Aravalli project.

E All other statutory clearance mandated under the Environment Protection Act. 1986 as per the notification of Ministry of Enviroment and Forest Goevernment of India date 07.05.1992 or any other Act/order shall be obtained as application by the project proponents from the concerned authorities.

F The project proponents will not violate any judicial order/ Pronouncement issued by the Hon'ble Supreme Court/High Courts.

G It is clarified that the Hob'ble supreme Court has issued various judgment dated 07.05.2002 29.10.2002, 16.12.2002, 18.03.2004, 14.05.2008 etc. pertaining to Aravalli region in Haryana , which should be complied with.

H It shall be the responsibility of user agency/applicant to get necessary clearances/permissions under various Acts and Rules applicable if any, from the respective authorities/Department.

रिपोर्ट सेवा मे प्रेषित है।

कृते: उपायुक्त गुडगांव।

क्रमांक — /एसा0के02 दिनांक —

इसकी एक प्रति Director General, Town & Country Planning, Haryana, Chandigarh को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है।

कृते: उपायुक्त गुडगांव।

Annexure V

Exemption Letter From CGWA

Central Ground Water Authority
Ministry of Water Resources
Government of India

No. 21-4/NWR/CGWA/2008- 1933 Dated- 04 JAN 2012

To,
M/s Countrywide Promoters Private Ltd.
M- 11, Middle Circle, Connaught Circus,
New Delhi 110001.

Sub: Request for exemption from adopting Roof Top Rain Water Harvesting system for the residential plotted colony in Sector 102 & 102 A, at village Kherkimajra, Dhankot & Dhanuwapur, Gurgaon -reg.

Ref: Your letter dated 18.1.2011.

Sir,

This has reference to your above mentioned letter. As per the data obtained from the Regional Office of Central Ground Water Board, North Western Region, Chandigarh, it is observed that the ground water in the area where the project falls is highly saline and the water table occurs under shallow conditions even during the pre-monsoon period. In view of the prevailing hydrogeological conditions of the area, it is technically not advisable to adopt Roof Top Rain Water Harvesting for Artificial Recharge measures in such areas. However, on a long term basis, the firm is advised to undertake the following steps:

1. Monitor the ambient ground water regime of the area through piezometers and submit the data on a yearly basis to the Regional Director, Central Ground Water Board, North Western Region, Chandigarh for perusal and records.
2. Adopt and implement artificial recharge measures/rain water harvesting measures for augmenting the ground water resources of the area in case the ambient water levels decline to more than 8 m below ground level.

Yours faithfully,

S Bhattacharya 4.1.12
(S Bhattacharya)
Scientist 'D'
for Member Secretary

Copy for information to:

1. The Regional Director, Central Ground Water Board, North Western Region, Bhujal Bhawan, Plot # 3-B, Sector 27-A, Madhya Marg, Chandigarh 160019. This has reference to your letter No. 4(172)A-HR/NWR/S&I/2011 dated 12.12.2011.
2. TS to Chairman, Central Ground Water Board, NH-IV, Faridabad.

/

(S Bhattacharya)
Scientist 'D'
for Member Secretary

West Block-2, Wing-3, Ground Floor, R. K. Puram, Sector-1, New Delhi- 110066
Tel: (011) 26175362, 26175373, 26175387: Fax (011) 26175369 e-mail: ismaml-cgwb@nic.in , web site: http://cgwb.gov.in

Annexure VI

Consent to Establish

HARYANA STATE POLLUTION CONTROL BOARD

Gurgoan North Vikas Sada, 1st Floor, Near DC Court, Gurgaon Ph. 0124-2332775

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

Telephone No.: 0172-2577870-73

No. HSPCB/Consent/ : 329962318GUNOCTE5610747 **Dated:25/09/2018**

To.

M/s : M/s Countrywide Promoters Pvt. Ltd

Residential Plotted Colony, Sector 102 & 102 A, Village Kherkimajra & Dhankot, Gurgaon

GURGAON

122001

Sub. : Grant of consent to Establish to M/s M/s Countrywide Promoters Pvt. Ltd

Please refer to your application no. 5610747 received on dated 2018-08-16 in regional office Gurgaon North.

With reference to your above application for consent to establish,M/s M/s Countrywide Promoters Pvt. Ltd is here by granted consent as per following specification/Terms and conditions.

Consent Under	AIR/WATER
Period of consent	25/09/2018 - 11/12/2020
Industry Type	Building and construction project having waste water generation more than 100 KLD
Category	RED
Investment(In Lakh)	5000.0
Total Land Area (Sq. meter)	512631.4
Total Builtup Area (Sq. meter)	480125.6
Quantity of effluent	
1.Trade	0.0 KL/Day
2.Domestic	3436.0 KL/Day
Number of outlets	1.0
Mode of discharge	
1.Domestic	STP
2.Trade	
Permissible Domestic Effluent Parameters	
1. BOD	30 mg/l
2. COD	250 mg/l
3. TSS	100 mg/l

Permissible Trade Effluent Parameters	
1. NA	mg/l
Number of stacks	1
Height of stack	
1. Stack to DG sets	8.94 meter
Permissible Emission parameters	
1. NA	
Capacity of boiler	
1. NA	Ton/hr
Type of Furnace	
1. NA	
Type of Fuel	
1. Diesel	0.27 KL/day

Regional Officer, Gurgaon North

Haryana State Pollution Control Board.

Terms and conditions

1. The industry has declared that the quantity of effluent shall be 3436 KL/Day i.e 0KL/Day for Trade Effluent, 0 KL/Day for Cooling, 3436.0 KL/Day for Domestic and the same should not exceed .

2. The above 'Consent to Establish' is valid for 60 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.

5. The applicant will obtain consent under section 25/26 of the Water (Prevention & Control of Pollution) Act, 1974 and under section 21/22 of the Air (Prevention & Control of Pollution) Act,1981 as amended to-date-even before starting trial production

6. The above Consent to Establish is further subject to the conditions that the unit complies with all the laws/rules/decisions and competent directions of the Board/Government and its functionaries in all respects before commissioning of the operation and during its actual working strictly.

7. No in-process or post-process objectionable emission or the effluent will be allowed, if the scheme furnished by the unit turns out to be defective in any actual experience

8. The Electricity Department will give only temporary connection and permanent connection to the unit will be given after verifying the consent granted by the Board, both under Water Act and Air Act.

9. Unit will raise the stack height of DG Set/Boiler as per Board's norms.

10. Unit will maintain proper logbook of Water meter/sub meter before/after commissioning.

11. 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.

12. 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.

17. In case of change of name from previous Consent to Establish granted, fresh Consent to Establish fee shall be levied.

18. 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.

19. That the unit will take all other clearances from concerned agencies, whenever required.

20. That the unit will not change its process without the prior permission of the Board.

21. 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.

24. That unit will obtain EIA from MoEF, if required at any stage.

25. In case of unit does not comply with the above conditions within the stipulated period, Consent to Establish will be revoked.

26. That unit will obtain consent to operate from the board before the start of product activity.

Specific Conditions

Other Conditions :

1. The unit will obtain consent to operate before the occupation of the project.
2. The unit will install STP along with the main project.
3. The unit will install the project only on the land for which Town and Country Planning Department has given license.
4. The NOC is valid only for such land within this project which is under ownership of project proponent and for which report regarding Aravali area has been issued by DC, Gurgaon.
5. The unit will install adequate acoustic enclosures/chambers on their DG SETS with proper stack height as per prescribed norms to meet the prescribed standards under EP Rules,
6. Unit will apply for CTO/ CTE Extension at least 90 days before expiry date of this CTE
7. Unit will not do any construction work in their project without obtaining valid renewed license from DTCP and CTE extension will be become null and void if unit fails to renew DTCP license.
8. Unit will comply with the guide lines issued by CPCB on Environment Management of construction and Demolition Waste issued after the Construction and Demolition Waste Management Rules ,2016 notified by MOEF.

Jai Bhagwan Digitally signed by Jai Bhagwan Date: 2018.09.25 13:29:53 +05'30'

Regional Officer, Gurgaon North

Haryana State Pollution Control Board.

Annexure VII

DHBVN Permission

DAKSHIN HARYANA BIJLI VITRAN NIGAM
(A Power Distribution & Retail Supply Utility, Govt. of Haryana)
An ISO 9001: 2008 Compliant Utility, CIN: U99999HR-1999SG034165
Chief Engineer/Commercial, DHBVN, Hisar,
Regd. Office: Vidyut Sadan, Vidyut Nagar, Hisar-125005 (Haryana)
Phone No. 01662-223093, Fax No. 01662223153
Website: dhbvn.org.in E-Mail: cecommercialdhbvn@gmail.com

To

Superintending Engineer/Operation,
DHBVN, Gurugram.

Memo No.Ch-2/sedc-EP-2411 Dated: 22 .03.2017

Sub: **Approval of electrification scheme with ultimate load of 20140 KW or 22380 KVA and sanction of Partial Load of 2000 KW or 2222 KVA for residential plotted colony Sector-102 & 102A, developed by M/s Countrywide Promoters (P) Ltd., under New Palam Vihar subdivision Gurugram.**

Please refer to your office Memo No. Ch. 133/LS-1 dated 20.12.2016 vide which 20 No. case files have been sent to this office for sanction/extension/reduction of load of 500 KW/KVA & above. Among the above case files, a case for approval of Sanction for ultimate load of 19851 KW or 22057 KVA and Partial Load 2000 KW or 2222 KVA alongwith electrification scheme for residential plotted colony Sector-102 & 102A, developed by M/s Countrywide Promoters (P) Ltd., under New Palam Vihar subdivision Gurugram has been sent.

Under sales circular no. D-40/2016, it is specified that "in case HVPN system is involved, SE (OP) shall prepare joint feasibility report in coordination with concerned SE/TS and SE/NCR (as the case may be) and upload the same alongwith consent /comments of HVPN and details of charges payable to HVPN. Accordingly, the feasibility was jointly examined by SE/OP Gurgaon, SE/TS/HVPN, Gurgaon and SE/NCR, HVPN, Gurgaon held on 13.02.2017 and in the ibid case it has been recommended as under:-

"The proposal for feeding the ultimate load of 19851 KW or 22057 KVA on 33 KV supply pressure from proposed 220/33 KV S/Stn., Sector 102/107 Gurugram through proposed 33 KV independent feeder with 3CX 300 mm2XLPE U/G cable Double Run was considered by the committee and recommended for ultimate load.

3. The developer shall install 3X 2000+ 2X1600+5X1250+ 1X750+ 5X630+19X400 KVA+6X160 +2X100 KVA= total capacity of 28110 KVA, ,11/0.4 KV CSS(Dry Type) distribution transformers to cater the ultimate load of the scheme.
4. The partial load of 2000 KW or 2222KVA will be fed through 66 KV S/Stn., Daultabad on 25/31/5 MVA 66/11 T-III power T/F through proposed 11 KV independent feeder with 3CX300mm2 XLPE U/G cable at the cost of the applicant, subject to extension of control room building.
5. The ultimate load of 20140 KW or 22380 KVA will be fed through on 33 KV supply pressure from proposed 220/33 KV S/Stn., Sector 102/107 Gurugram through proposed 33 KV independent feeder with 3CX 300 mm2 XLPE U/G cable Double Run.
6. Since, the developer has proposed to install dry type distribution transformers (11/0.4KV), so from safety aspect an NOC in this regard may be obtained from Chief Electrical Inspector, besides ensuring compliance of all safety measures by SE/Op, Gurgaon.
7. Complaint centers shall be constructed by the applicant as per Nigam instructions No. P&D 9/2011
8. An undertaking be obtained from the consumer that the technical feasibility shall be examined afresh every time the consumer applies for extension of load.
9. The applicant either deposit ACD corresponding to ultimate load in cash in one go or ACD corresponding to partial load in cash and ACD for balance of ultimate load in the shape of BG.
10. SE/OP, DHBVN Gurgaon should personally ensure that the BG of internal infrastructure is deposited by the applicant as per Nigam instructions and commensurate with the ultimate load prior to release of load.
11. CEA guidelines and IE rules regarding Safety precaution should be adhered to for connecting the electrical system.
12. The applicant will deposit the share cost as per the instructions of HVPN, if required.
13. The applicant will enter into tripartite agreement with HVPN and DHBVN.
14. No applicant, senior to the instant applicant/ consumer is waiting for sanction of load / extension of load.

28. The applicant will mandatorily install solar photovoltaic Power Plant as per provisions of Haryana Renewable Energy Department notification no. 22/52/2005-5 Power dated 21.03.2016 duly circulated by the Nigam vide Sales Circular no. D-42/2016 alongwith its amendment vide Sales Circular no. D-10/2017.

This issues with the approval of Director/Operation, DHBVN, Hisar at NP-5 of File No. EP-241.

CE/Commercial
DHBVN, Hisar

CC to:-

1. PS to Director/OP, DHBVN, Hisar for kind information of Director/Op, please.
2. CE/PD&C, DHBVN, Hisar; it is requested to send the case to planning wing of HVPN for their approval.
3. CE/Planning, HVPN, Panchkula for kind information and necessary action please.
4. CE/TS, HVPN, Hisar.
5. CE/Op, DHBVN, Delhi.
6. SE/NCR, DHBVN, Gurugram.
7. SE/TS, HVPN, Gurgaon.
8. XEN/Op, City Divn, DHBVN, Gurugram.
9. SDO/OP, New Palam Vihar S/Divn, DHBVN, Gurugram.
10. M/s Countrywide Promoters (P) Ltd, Gurugram

Annexure VIII

STP Photograph

SEWAGE TREATMENT PLANT

Annexure IX

EMP

ENVIRONMENT MANAGEMENT PLAN

The Environment Management Plan (EMP) is a site specific plan developed to ensure that the project is implemented in an environmental sustainable manner where all contractors and subcontractors, including consultants, understand the potential environmental risks arising from the project and take appropriate actions to properly manage that risk. EMP also ensures that the project implementation is carried out in accordance with the design by taking appropriate mitigation actions to reduce adverse environmental impacts during its life cycle. The plan outlines existing and potential problems that may adversely impact the environment and recommends corrective measures where required. Also, the plan outlines roles and responsibility of the key personnel and contractors who will be in charge of the responsibilities to manage the project site.

The EMP is generally

- Prepared in accordance with rules and requirements of the MoEF and CPCB/ SPCB
- To ensure that the component of facility are operated in accordance with the design
- A process that confirms proper operation through supervision and monitoring
- A system that addresses public complaints during construction and operation of the facilities and
- A plan that ensures remedial measures is implemented immediately.

The key benefits of the EMP are that it offers means of managing its environmental performance thereby allowing it to contribute to improved environmental quality. The other benefits include cost control and improved relations with the stakeholders.

EMP includes four major elements:

- Commitment & Policy: The management will strive to provide and implement the Environmental Management Plan that incorporates all issues related to air, water, land and noise.

- Planning: This includes identification of environmental impacts, legal requirements and setting environmental objectives.
- Implementation: This comprises of resources available to the developers, accountability of contractors, training of operational staff associated with environmental control facilities and documentation of measures to be taken.
- Measurement & Evaluation: This includes monitoring, counteractive actions and record keeping.

It is suggested that as part of the EMP, a monitoring committee would be formed by M/s Countrywide Promoters Pvt. Ltd. comprising of the site in-charge/coordinator, environmental group representative and project implementation team representative. The committee's role would be to ensure proper operation and management of the EMP including the regulatory compliance. The components of the environmental management plan, potential impacts arising, out of the project and remediation measures are summarized below:

SUMMARY OF POTENTIAL IMPACTS AND REMEDIAL MEASURES

S. No.	Environmental components	Potential Impacts	Potential Source of Impact	Controls Through EMP & Design	Impact Evaluation	Remedial Measures
1	Ground Water Quality	Ground Water Contamination	Construction Phase • Waste water generated from temporary labor tents.	• Proponent will provide the STP to treat the discharge of the project and some waste water would be disposed to municipal sewer line.	No significant impact as majority of labors would be locally deployed	
			Operation Phase • Discharge from the project	• Proponent will provide the STP to treat the discharge of the project and some waste water would be disposed to municipal sewer line.	No negative impact on ground water quality envisaged. Not significant.	In an unlikely event of soil and ground water contamination. Remediation measures shall be implemented.

2.	Ground Water Quantity	Ground Water Depletion	Construction Phase • Use of treated water from HUDA	• Controlled use of water during construction	No significant impact on ground water quantity envisaged.	
			Operation Phase • No ground water use in operation. Water assurance will be obtained from HUDA.	• Rain water harvesting scheme. • Black and Grey water treatment and reuse. • Storm water collection for water harvesting. • Percolation well to be introduced in landscape plan. • Awareness campaign to reduce the water consumption	No significant impact on surface/ground water quantity envisaged.	In an unlikely event of non-availability of water supply, water will be brought using tankers.
3.	Surface Water	Surface water	Construction Phase	• Silt traps and other	No off site impact	

	Quality	contamination	• Surface runoff from site during construction activity.	measures such as additional on site diversion ditches will be constructed to control surface run-off during site development	envisaged as no surface water receiving body is present in the core zone.	
			Operation Phase • Discharge of domestic wastewater to surface water body/land.	• Domestic water will be treated in STP	No off site impact envisaged	Excess of water will be discharged for irrigation/into the surface water body only after the proper treatment. CPCB standards for discharge of waste water into the surface water body will be followed.
4.	Air Quality	Dust Emissions	Construction Phase	• Suitable control measures will	Not significant	During

			• All heavy construction activities	be adopted for subsiding the PM level in the air as per air pollution control plan.	because dust generation will be temporary and will settle fast due to dust suppression techniques (wet scrubbers) used.	construction phase the contractors are advised to facilitate masks for the labors. Water sprinklers will be used for suppression of dust during construction phase.
		Emissions of PM, SO_2, NO_2 and CO	Construction Phase • Operation of construction equipment and vehicles during site development. • Running D.G. sets (back up)	• Rapid on-site construction and improved maintenance of equipment	Not significant.	Regular monitoring of emissions and control measures will be taken to reduce the emission levels.
			Operation Phase	• Use of ultra low sulphur	No significant	• Use of Personal

			• Power generation by DG Sets during power failure • Emission from vehicular traffic in use <u>Construction Phase</u> • Operation of construction equipment and vehicle movements during site development. • Running DG sets (for power back up)	diesel if available • Use of Low sulfur fuel if available • Providing Footpath and pedestrian ways within the site for the residents • Green belt will be developed with specific species to help to reduce $PM_{2.5}$ and PM_{10} level • Use of equipment fitted with silencers • Proper maintenance of equipment • Provision of noise shields near the heavy construction operations and acoustic enclosures for DG sets Construction activity will be limited to day time hours only	DG sets would be used as power back-up (approx 8 hours) No significant increase in noise level is expected from the project's activities. There are no sensitive receptors located within the vicinity of site.	Protective Equipment (PPE) like earmuffs and earplugs during construction activities.
5	Noise					

	Environment					
			Operation Phase • Noise from vehicular movement • Noise from DG sets operation	• Green Belt Development •Development of silence zones to check the traffic movement • DG set rooms will be equipped with acoustic enclosures	No significant impact due to suitable width of Greenbelt.	
6.	Land Environment	Soil contamination	Construction Phase • Disposal of construction debris	• Construction debris will be collected and suitably used on site as per the solid waste management plan for construction phase	No significant impact. Impact will be local, as waste generated will be reused for filling of low lying areas etc.	
			Operation Phase • Dumping of municipal solid waste on land.	• It is proposed that the solid waste generated will be managed by an authorized agency. • Collection, segregation,	Since solid waste is handled by the authorized agency, waste dumping is not going to be	

			• Waste oil generated from D.G. sets	transportation and disposal will be done as per MSW Management Rules, 2000 by the authorized agency • Waste oil generated will be sold to authorized recyclers	allowed. Not significant. Negligible impact.	
7.	Biological Environment (Flora and Fauna)	Displacement of Flora and Fauna on site	Construction Phase • Site Development during construction	• Important species of trees, if any, will be identified and marked and will be merged with landscape plan	The site has scanty vegetation	
			Operation Phase • Increase in green covered area	•Suitable green belts will be developed as per landscaping plan in and around the site using local flora	Beneficial impact.	
8.	Socio-Economic Environment	Population displacement and loss of income	Construction Phase • Construction activities leading to relocation		No negative impact.	
			Operation Phase	• Project will provide	Beneficial impact	

			• Site operation	employment opportunities to the local people in terms of labor during construction and service personnel (guards, securities, gardeners etc) during operations • Providing quality-Integrated infrastructure in Rajasthan		
9.	Traffic Pattern	Increase of vehicular traffic	<u>Construction Phase</u> • Heavy Vehicular movement during construction	•Heavy Vehicular movement will be restricted to daytime only and adequate parking facility will be provided	No negative impact	
			<u>Operation Phase</u> • Traffic due to residents once the Colony is operational	• Vehicular movement will be regulated inside the Colony with adequate roads and parking lots in the colony.	No major significant impact	

ENVIRONMENT MANAGEMENT PLAN

An environmental management plan (EMP) will be required to mitigate the predicted adverse environmental impacts during construction and operation phase of the project and these are discussed in later subsections.

EMP for Air Environment

Construction Phase

To mitigate the impacts of PM (dust) during the construction phase of the project, the following measures are recommended for implementation:

- A dust control plan
- Procedural changes to construction activities

Dust Control Plan

The most cost-effective dust suppressant is water because water is easily available on construction site. Water can be applied using water trucks, handled sprayers and automatic sprinkler systems. Furthermore, incoming loads could be covered to avoid loss of material in transport, especially if material is transported off-site.

Procedural Changes to Construction Activities

Idle time reduction: Construction equipment is commonly left idle while the operators are on break or waiting for the completion of another task. Emission from idle equipment tends to be high, since catalytic converters cools down, thus reducing the efficiency of hydrocarbon and carbon monoxide oxidation. Existing idle control technologies comprises of power saving mode, which automatically off the engine at preset time and reduces emissions, without intervention from the operators.

Improved Maintenance: Significant emission reductions can be achieved through regular equipment maintenance. Contractors will be asked to provide maintenance records for their fleet as part of the contract bid, and at regular intervals throughout the life of the contract.

Incentive provisions will be established to encourage contractors to comply with regular maintenance requirements.

Reduction of On-Site Construction Time: Rapid on-site construction would reduce the duration of traffic interference and therefore, will reduce emissions from traffic delay.

Operation Phase

To mitigate the impacts of pollutants from DG sets and vehicular traffic during the operational phase of the Colony, following measures are recommended for implementation:

- DG set emission control measures
- Vehicular emission controls and alternatives
- Greenbelt development

Diesel Generator Set Emission Control Measures

Adequate stack height will be maintain to disperse the criteria air pollutants generated from the operation of DG sets to dilute the pollutants concentration within the immediate vicinity. Hence no additional emission control measures have been suggested.

Vehicle Emission Controls and Alternatives

Footpaths and Pedestrian ways: Adequate footpaths and pedestrian ways would be provided at the site to encourage non-polluting methods of transportation.

Greenbelt Development

Approx 30.1% of the total area will be green area including the Soft green and hard green areas. Soft green area is covered by green belt trees like Silver Oak, Ashoka, Palm tree, Gulmohar etc. and organized green spaces like shrubs and grasses. Ornamental flowers been proposed to be planted inside the premises. Parks will also be developed by the management. Hard green area will be developed on the paved surfaces or on pebbled surfaces. Landscape area details are shown in the table as follows:

EMP FOR NOISE ENVIRONMENT

Construction Phase

To mitigate the impacts of noise from construction equipment during the construction phase on the site, the following measures are recommended for implementation.

Time of Operation: Noisy construction equipment would not be allowed to use.

Job Rotation and Hearing Protection: Workers employed in high noise areas will be rotated. Hearing protection such as earplugs/muffs will be provided to those working very close to the noise generating machinery.

Operation Phase

To mitigate the impacts of noise from diesel generator sets during operational phase, the following measures are recommended:

- Adoption of Noise emission control technologies
- Greenbelt development

Noise Emission Control Technologies

DG sets will be housed in a suitable acoustic enclosure so that noise level at a distance of 1 m does not exceed 75 dB(A) at 75% load, as per CPCB standards or is meeting the local standard (whichever is higher). It would be ensured that the manufacturer provides acoustic enclosure as an integral part along with the diesel generators sets. Further, enclosure of the services area with 4 m high wall will reduce noise levels and ensure that noise is at a permissible limit for resident of the site and surrounding receptors.

Greenbelt Development

The following species can be used, as in a greenbelt, to serve as noise breakers:

LIST OF PLANTS

Sl. No.	Botanical names of Plants	Family	Local Name
1.	*Acacia catechu Willd.*	Mimosaceae	Khair
2.	*Achyranthes aspera L.*	Amaranthaceae	Chirchitta
3.	*Aegle marmelos Correa.*	Rutaceae	Bel
4.	*Albizzia lebbeck Benth.*	Fabaceae	Siris
5.	*Anogeissus pendula Edgew.*	Combretaceae	Dhaunkra
6.	*Argemone mexicana L.*	Papavaraceae	Satyanashi
7.	*Asparagus racemosus Willd.*	Liliaceae	Satawari
8.	*Barleria cristata L.*	Acanthaceae	Bajardanti
9.	*Bauhinia variegata L.*	Caesalpiniaceae	Kachnar
10.	*Boerhaavia diffusa L.*	Nyctaginaceae	Sathi
11.	*Butea monosprerma (Lamk.) Taub.*	Papilionaceae	Palas, dhak
12.	*Calotropis procera (Ait.) R.Br.*	Asclepiadaceae	Aak
13.	*Cassia fistula L.*	Caesalpiniaceae	Amaltas
14.	*Centella asiatica L.*	Umbelliferae	Brahmibuti
15.	*Emblica officinalis Gaertn.*	Euphorbiaceae	Amla
16.	*Eucalyptus camaldulensis Dehnh.*	Myrtaceae	Safeda
17.	*Euphorbia caducifolia Haines*	Euphorbiaceae	Dandathor
18.	*Ficus carica L.*	Moraceae	Anjir
19.	*Indigofera cordifolia Heyne. ex. Roth*	Papilionaceae	Jhajhru
20.	*Prosopis cineraria (L.) Druce*	Mimosaceae	Khejari
21.	*Rhus mysorensis Heyne ex Wight & Arn.*	Anacardiaceae	Dansara

EMP FOR WATER ENVIRONMENT

Construction Phase

To prevent degradation and to maintain the quality of the water source, adequate control measures have been proposed. To check the surface run-off as well as uncontrolled flow of water into any water body check dams with silt basins are proposed. The following management measures are suggested to protect the water source being polluted during the construction phase:

- Avoid excavation during monsoon season
- Care would be taken to avoid soil erosion
- Common toilets will be constructed on site during construction phase and the waste water would be channelized to the septic tanks in order to prevent waste water to enter into the water bodies
- Any area with loose debris within the site shall be planted
- To prevent surface and ground water contamination by oil and grease, leak-proof containers would be used for storage and transportation of oil and grease. The floors of oil and grease handling area would be kept effectively impervious. Any wash off from the oil and grease handling area or workshop shall be drained through imperious drains
- Collection and settling of storm water, prohibition of equipment wash downs and prevention of soil loss and toxic release from the construction site are necessary measure to be taken to minimize water pollution
- All stacking and loading area will be provided with proper garland drains, equipped with baffles, to prevent run off from the site, to enter into any water body

Operation Phase

In the operation phase of the project, water conservation and development measures will be taken, including all possible potential for rain water harvesting. Following measures will be adopted:

- Water source development

- Minimizing water consumption
- Promoting reuse of water after treatment and development of closed loop systems for different water streams

Water Source Development

Water source development shall be practiced by installation of scientifically designed Rain Water Harvesting system. Rainwater harvesting promotes self-sufficiency and fosters an appreciation for water as a resource.

Minimizing Water Consumption

Consumption of fresh water will be minimized by combination of water saving devices and other domestic water conservation measures. Further, to ensure ongoing water conservation, an awareness program will be introduced for the residents. The following section discusses the specific measures, which shall be implemented:

Domestic and Commercial Usage

- Use of water efficient plumbing fixtures (ultra flow toilets and urinals, low flow sinks, water efficient dishwashers and washing machines). Water efficient plumbing fixtures uses less water with no marked reduction in quality and service
- Leak detection and repair techniques
- Re-circulation of swimming pool overspill after treatment
- Sweep with a broom and pan where possible, rather than hose down for external areas
- Meter water usage: Implies measurement and verification methods. Monitoring of water uses is a precursor for management

Horticulture

- Plants with similar water requirements shall be grouped on common zones to match precipitation heads and emitters.
- Use of low-angle sprinklers for lawn areas.

- Select controllers with adjustable watering schedules and moisture sensors to account for seasonal variations and calibrate them during commissioning.
- Place 3 to 5 inches of mulch on planting beds to minimize evaporation.

Promoting Reuse of Water after Treatment and Development of Closed Loop Systems

To promote reuse of waste water and development of closed loop system for waste water segregation. Two wastewater schemes are suggested, namely:

1) Storm Water Harvest 2) Waste water recycling.

Storm water harvest as discussed in earlier, will be utilized for artificial recharge of ground water sources; and waste water will be reused on site after treatment.

Treated waste water will be used for landscaping, flushing and DG water cooling. Following section discuss the scheme of waste water treatment.

Waste Water Treatment Scheme

Proponent will treat the waste water of the Project in well designed sewage treatment plant.

Storm Water Management

Most of the storm water produced on site will be harvested for ground water recharge. Thus proper management of this resource is a must to ensure that it is free from contamination.

Contamination of Strom Water is possible from the following sources:

- Diesel and oil spills in the diesel power generator and fuel storage area
- Waste spills in the solid / hazardous waste storage area
- Oil spills and leaks in vehicle parking lots
- Silts from soil erosion in gardens
- Spillage of sludge from sludge drying area of sewage treatment plant

A detailed storm water management plan will be developed which will consider the possible impacts from above sources. The plan will incorporate best management practices which will include following:

- Regular inspection and cleaning of storm drains
- Clarifiers or oil / separators will be installed in all the parking areas. Oil / grease separators installed around parking areas and garages will be sized according to peak flow guidelines. Both clarifiers and oil / water separators will be periodically pumped in order to keep discharges within limits
- Covered waste storage areas
- Avoid application of pesticides and herbicides before wet season
- Secondary containment and dykes in fuel / oil storage facilities
- Conducting routine inspection to ensure cleanliness
- Provision of slit traps in storm water drains
- Good housekeeping in the above areas

EMP FOR LAND ENVIRONMENT

Construction Phase

The waste generated from construction activity includes construction debris, biomass from land clearing activities, waste from the temporary make shift tents for the labors and hazardous waste. Following section discuss the management of each type of waste. Besides waste generation, management of the topsoil is an important area for which management measures are required.

Construction Debris

Construction debris is bulky and heavy and re-utilization and recycling is an important strategy for management of such waste. As concrete and masonry constitute the majority of waste generated, recycling of this waste by conversion to aggregate can offer benefits of reduced landfill space and reduced extraction of raw material for new construction activity. This is particularly applicable to the project site as the construction is to be completed in a phased manner.

Mixed debris with high gypsum, plaster, shall not be used as fill, as they are highly susceptible to contamination, and will be send to designated solid waste landfill site.

Metal scrap from structural steel, piping, concrete reinforcement and sheet metal work shall be removed from the site by construction contractors. A significant portion of wood scrap will be reused on site. Recyclable wastes such as plastics, glass fiber insulation, roofing etc shall be sold to recyclers.

Hazardous waste

Construction sites are sources of many toxic substances such as paints, solvents wood preservatives, pesticides, adhesives and sealants. Hazardous waste generated during construction phase shall be stored in sealed containers and disposed off as per the Hazardous Wastes Management and Handling Act, Amendment Rules (MoEF, 2003).

Some management practices to be developed are:

- Herbicides and pesticide will not be over applied (small-scale applications) and not applied prior to rain
- Paintbrushes and equipment for water and oil based paints shall be cleaned within a contained area and will not be allowed to contaminate site soils, water courses or drainage systems
- Provision of adequate hazardous waste storage facilities. Hazardous waste collection containers will be located as per safety norms and designated hazardous waste storage areas will be away from storm drains or watercourses
- Segregation of potentially hazardous waste from non-hazardous construction site debris
- Well labeled all hazardous waste containers with the waste being stored and the date of generation
- Instruct employees and subcontractors in identification of hazardous and solid waste

Even with careful management, some of these substances are released into air, soil and water and many are hazardous to workers. With these reasons, the best choice is to avoid their use as much as possible by using low-toxicity substitutes and low VOC (volatile organic compound) materials.

Waste from Temporary Makes Shift Tents for Labors

Wastes generated from temporary make shift labor tents will mainly comprise of household domestic waste, which will be managed by the contractor of the site. The wastewater generated will be channelized to the septic tank.

Top Soil Management

To minimize disruption of soil and for conservation of top soil, the contractor shall keep the top soil cover separately and stockpile it. After the construction activity is over, top soil will be utilized for landscaping activity. Other measures, which would be followed to prevent soil erosion and contamination include:

- Maximize use of organic fertilizer for landscaping and green belt development
- To prevent soil contamination by oil/grease, leaf proof containers would be used for storage and transportation of oil/grease and wash off from the oil/grease handling area shall be drained through impervious drains and treated appropriately before disposal
- Removal of as little vegetation as possible during the development and revegetation of bare areas after the project.
- Working in a small area at a point of time (phase wise construction)
- Construction of erosion prevention troughs/ berms.

Operational Phase

The philosophy of solid waste management at the group housing will be to encouraging the four R's of waste i.e. **R**eduction, **R**euse, **R**ecycling and **R**ecovery (materials & energy). Regular public awareness meetings will be conducted to involve the residents in the proper segregation and storage techniques.

The Environmental Management Plan for the solid waste focuses on three major components during the life cycle of the waste management system i.e., collection and transportation, treatment or disposal and closure and post-closure care of treatment/disposal facility.

Collection and Transportation

- During the collection stage, the bio-degradable and non recyclable/non biodegradable waste will be stored and collected separately. Only the non-recyclable and non-biodegradable

waste will be transported to the waste disposal site. The segregation, transportation and disposal of wastes will be done by the authorized agency that will take care of the waste management of the group housing during the operational phase of the project

- To minimize littering and odour problem, waste will be stored in well-designed containers/ bins that will be located at strategic locations to minimize disturbance in traffic flow

- Care would be taken such that the collection vehicles are well maintained and generate minimum noise and emissions. During transportation of the waste, it will be covered to avoid littering.