



Petronet LNG Limited

GIDC Industrial Estate, Plot No. 7/A, Dahej
Taluka : Vagra, Dist. Bharuch (Gujarat) - 392130 (India)
Tel. : 02641 - 670200 / 257
CIN: L74899DL 1998PLCO93073
GST No. : 24AAACP8148D1ZM



REF: PLL/DHJ/PROJ/MoEF/2023/01

Date: 14th July 2023

To,

The Director (Environment)
Forests & Environment Department,
Government of Gujarat,
Block No. 14, 8th Floor, Sachivalaya,
Gandhinagar – 382 010

Sub : Half Yearly compliance report to the condition mentioned in MOE&F (Issued By SEIAA, Gujarat) Letter No. SEIAA/GUJ/EC/8(A)/94/2023 dtd. 25th January'23 with EC identification no. EC23B038GJ112019 dtd: 1st February,2023 for Construction of "Affordable Rental Housing Complex" at Plot No. 1 (R.S. No. ZP), Village: Eksal, Taluka: Vagra, District: Bharuch, Gujarat proposed by M/s. Petronet LNG Ltd. as on 30th June'2023.

Ref : (a) Letter No. SEIAA/GUJ/EC/8(A)/94/2023 Dtd. 25th January'2023
(b) EC Identification No. EC23B038GJ112019 Dtd: 1st February,2023

Dear Sir,

With reference to be above subject, please find the enclosed half yearly compliance report as on 30th June'2023 with respect to conditions stipulated by Ministry of Environment & Forests (Issued By SEIAA, Gujarat) for Construction of "Affordable Rental Housing Complex" at Plot No. 1 (R.S. No. ZP), Village: Eksal, Taluka: Vagra, District: Bharuch Gujarat proposed by M/s. Petronet LNG Ltd.

Thanking you,

Yours faithfully,

For Petronet LNG Limited


14/07/2023

Nishant Patel
General Manager - Projects

Encl.: As above

Copy to:-

Director,
Ministry of Env., Forest and Climate Change
Indira Paryavaran Bhawan,
Jorbagh Road,
New Delhi – 110 003

MoEF & CC
Integrated Regional Office
Room No 407 & 409
Sector 10A
A Wing Aranya Bhawan
Gandhinagar-382010

Unit Head - Bharuch Division
Gujarat Pollution Control Board
Paryavaran Bhavan, Sector-10 A
GANDHINAGAR – 382 010 (Gujarat)

Regional Officer
Gujarat Pollution Control Board
C-1\119\3, GIDC, Phase – 2 , Narmada Nagar
Bharuch – 392015 (Gujarat)

Regd. Off.:

World Trade Centre, First Floor, Babar Road,
Barakhamba Lane, New Delhi-110 001 (INDIA)
Tel.: 011 - 23472525, 23411411 Fax : 23472550

Kochi Site :

Survey No. 347, Puthuvypu
P.O. 682508, Kochi Kerala (INDIA)
Tel.: 0484-2502268

Executive Engineer -
Gujarat Industrial Development
Corporation(GIDC)
2nd Floor, Narmada Commercial Complex,
Near, Panchbatti Circle, Bharuch, Telephone
Exchange, Soneri Mahal, Bharuch, Gujarat
392001

**HALF YEARLY COMPLIANCE REPORT TO (FOR THE PERIOD JAN 23 TO JUN 23) THE
CONDITION MENTIONED IN MOE&F (ISSUED BY SEIAA, GUJARAT) LETTER NO.
SEIAA/GUJ/EC/8(a)/94/2023 DTD. 25TH JANUARY'23 WITH EC IDENTIFICATION NO.
EC23B038GJ112019 DTD: 1ST FEBRUARY,2023**

(FOR AFFORDABLE RENTAL HOUSING COMPLEX) as on 30.06.2023

Point-wise compliance statement for the subject environmental clearance is as below:

	<u>CONDITION</u>	<u>STATUS</u>
A	<u>Project Specific Conditions:</u>	
1	No ground water should be tapped during the operational stage.	Currently Project is under construction stage and no ground water tapping will be taken during construction and operation stage. Condition is noted and shall be complied.
2	PP shall provide STP of 350 KLD capacity. The treated domestic wastewater of 154 KLD shall be used for Gardening and plantation purpose within premises. storage tanks with pipeline infrastructure, along with adequate sprinklers.	Currently Project is under construction stage. Requirement of STP & treated water usage in gardening and plantation shall be complied once construction is completed and building shall be under operation.
3	PP shall provide adequate parking area.	Currently Project is under construction stage. Proper parking area has been defined for the project and shall be adhered to once building is under operation.
4	The Total height of each Block shall not exceed of @12.65 meter, in any case.	Condition is noted and will be ensured that the maximum height of each block shall not exceed 12.65M.
5	Necessary permission for discharging of treated domestic wastewater in BAUDA drainage must be obtained.	Currently Project is under construction stage. Condition is noted and shall be complied.
A.1	<u>CONSTRUCTION PHASE:</u>	
A.1.1	<u>WATER:</u>	
6	Fresh water requirement during the construction phase shall not exceed 23 KLD and it shall be met through tanker. No ground water shall be tapped during the construction phase.	Currently Project is under construction stage and no ground water tapping has been taken and requirement is being met through tanker within limit specified.
7	Sewage generated during the construction phase shall be disposed off through Soak Pit.	Condition is noted and is being complied.
8	Explore possibilities of provision of mobile toilets in construction phase.	Noted, provision of mobile toilets will be explored and complied, if required.
A.1.2	<u>HEALTH & SAFETY</u>	
9	Project Proponent shall obtain Fire opinion/provisional fire NOC from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act' 2016.	Condition is noted and applicable compliance shall be ensured.

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	<u>CONDITION</u>	<u>STATUS</u>
10	The project proponent shall obtain registration of the establishment under the building and other Construction Workers' (Regulation of Employment & Conditions of Service) Act 1996 and shall comply with the provisions of the Act for the safety, health and welfare of construction workers.	Condition is noted and it will be complied.
11	The project proponent shall obtain registration of the construction workers as beneficiaries with the Gujarat Building and Other Construction Workers Welfare Board.	Condition is noted and shall be complied.
A.2	OPERATION PHASE:	
A.2.1	WATER:	
12	Total water requirement during the operation phase shall not exceed 408 KLD, out of which freshwater requirement of 255 KLD shall be met through GIDC and the remaining 154 KLD of water requirement shall be met through treated sewage. No ground water shall be tapped during the operation phase. Metering of the water shall be done, and its records shall be maintained.	Condition is noted and shall be complied. Ground water tapping shall not be taken during operation stage.
13	Sewage generation during operation phase shall not exceed 306 KLD which shall be treated in the proposed onsite Sewage Treatment Plant.	Currently Project is under construction stage. Condition is noted and shall be complied during operation stage.
14	The unit shall install and efficiently operate STP of adequate capacity for treating the sewage to be generated during operation phase to achieve the GPCB norms at the STP outlet. Treated sewage conforming to GPCB norms shall be utilized within premises for gardening & flushing purpose at the maximum extent possible. Only remaining quantity of treated sewage shall be disposed off through drainage line of GIDC	Currently Project is under construction stage. Condition is noted and shall be complied during operation stage.
15	A proper logbook of STP operation and also showing the quantity of treated sewage utilization within premises & quantity of treated sewage discharged into the drainage line shall be maintained and furnished to the GPCB from time to time.	Currently Project is under construction stage. Condition is noted and shall be complied during operation stage.
16	Dual plumbing system with separate tanks and lines shall be provided for utilization of treated sewage for flushing.	Currently Project is under construction stage. Condition is noted and shall be complied during operation stage.
17	No bore well shall be constructed and existing bore well/s, if any, shall be either sealed or converted into the recharge well.	No borehole will be constructed in the project.
18	Rainwater harvesting from rooftop and paved areas and ground water recharge through 7 nos. of percolation wells shall be carried out as per the details submitted. Before recharging the runoff, pre-treatment must be done to remove suspended matter.	Currently Project is under construction stage. Condition is noted and shall be complied during operation stage.

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	<u>CONDITION</u>	<u>STATUS</u>
A.2.2	AIR:	
19	A DG set (250 KVA) proposed as backup power shall be of enclosed type and confirm to prescribe standards under EPA rules. Necessary acoustic enclosures shall be provided at diesel generator set to mitigate the of noise.	Currently Project is under construction stage. Condition is noted and shall be complied in the operation stage.
20	The exhaust of the DG Set shall be at least 3 m above roof top.	Currently Project is under construction stage. Condition is noted and shall be complied in the operation stage.
21	The gaseous emissions from the DG Sets shall conform to the standards prescribed under rules amended from time to time. At no time, the emission levels shall go beyond the stipulated standards.	Currently Project is under construction stage. Condition is noted and shall be complied in the operation stage.
A.2.3	SOLID WASTE:	
22	The solid waste generated shall be properly collected and segregated at source. The biodegradable waste shall be converted into useful end product by treating it into the proposed onsite Organic Waste Convertor & recyclable waste shall be sold to vendors whereas the other garbage shall be disposed off properly as per the provisions made by the GIDC.	Currently Project is under construction stage. Condition is noted and shall be complied during operation stage.
A.2.4	SAFETY AND WELFARE	
23	Project Proponent shall obtain fire safety certificate / Fire No-Objection Certificate (NOC) from the concern authority as per the prevailing Rules / Gujarat Fire Prevention and Life Safety Measures Act, 2016.	Currently Project is under construction stage. Condition is noted and shall be complied during operation stage.
24	Firefighting facilities like Fire Extinguisher, First Aid Hose Reel, Wet riser, Yard Hydrant, Fire Alarm, Automatic detection and Alarm System, Automatic Sprinkler system in Basement are installed, provided number of sets of pumps each consisting of two electric and one diesel pump, terrace water tanks of 5 KL capacity on each block, 6 nos of underground water tank of 120 KL, smoke detectors etc shall be provided. A lightening arrester will be installed and properly earthed.	Currently Project is under construction stage. Condition is noted and shall be complied.
25	Staircase shall be provided: 1 nos of 1.5 mts width in each block. All the staircases shall open out at ground level from the highest point of building with access from each floor] for emergency evacuation.	Currently Project is under construction stage. Condition is noted and shall be complied.
26	Provision for adequate air changes per hour in the basement shall be made so as to avoid build-up of CO in the area.	No basement is proposed in the project; therefore, this condition is not applicable.
27	Car park exhaust system equipped with CO (Carbon Monoxide) sensor shall be provided to ensure operation of exhaust fans as CO concentration levels.	No basement is proposed in the project; therefore, this condition is not applicable.
28	Clear peripheral margin space of adequate width, in accordance with the concerned local byelaws, shall be provided for unobstructed & easy movement of vehicles in case of emergency.	Currently Project is under construction stage with said provisions. Condition is noted and shall be complied.
29	Sanitation facilities, drinking water & tap water, sewage disposal facility, first aid box, free medicines, doctor service, adequate PPEs etc. shall be provided for workers.	Currently Project is under construction stage. Condition is noted and shall be complied.

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	<u>CONDITION</u>	<u>STATUS</u>
A.2.5	PARKING / TRAFFIC CONGESTION	
30	Minimum parking space of 4292.95 m ² (186 CPS) [4292.95 m ² in open area] shall be provided as proposed.	Condition is noted and will be complied.
A.2.6	ENERGY CONSERVATION	
31	Energy conservation measures viz. maximum use of natural lighting through architectural design, energy efficient motors & pumps, water efficient taps, solar lights in open & solar streetlight, 180 KW solar power generation, use of aerated blocks & RMC, use of LED lighting fixtures and low voltage lighting, roof top thermal insulation etc. shall be implemented as proposed.	Condition is noted and will be complied.
A.2.7	GREEN BELT:	
32	Green belt area of 4913.45 m ² comprising of 21 86 m ² tree covered area with 1093 trees within premises shall be developed as proposed. The other open spaces inside the plot shall be suitably landscaped and covered with vegetation of indigenous tree species	Currently Project is under construction stage with said provisions. Condition is noted and shall be complied.
B.	GENERAL CONDITIONS:	
B.1	PRE -CONSTRUCTION AND CONSTRUCTION PHASE:	
33	Mitigation of flood measures shall be undertaken. Height of the plinth and ramps will be increased so that flood water does not enter basement.	Condition is noted and shall be complied. However, may please be informed that there is no any basement in this project.
34	Project proponent shall explore possibilities to reuse the treated wastewater for gardening and floor washing.	Noted, possibility of reuse of treated wastewater for gardening, floor washing activities will be explored and complied, if required.
35	Roads leading to or at construction site must be paved and blacktopped (i.e. - metallic roads).	Noted and complied.
36	No excavation of soil shall be carried out without adequate dust mitigation measures in place.	Noted and complied. Sprinkling of water is being done to mitigate dust at site.
37	Grinding and cutting of building materials in open area shall be prohibited.	Noted and shall be complied. Grinding and cutting of building material shall only be done in defined area with proper containment.
38	Construction material and waste should be stored only within earmarked area and roadside storage of construction material and waste shall be prohibited.	Noted and shall be complied. Construction material storage is only kept in the defined area and roadside storage of material is prohibited at site.
39	Construction and demolition waste processing and disposal site shall be identified and required dust mitigation measures be notified at the site.	Noted and shall be complied. Designated location has been defined to put construction waste with dust mitigation measures in place.
40	Dust mitigation measure shall be displayed prominently at the construction site for easy public viewing.	Noted and shall be complied.

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	<u>CONDITION</u>	<u>STATUS</u>
41	Environment Management Cell shall be formed, which shall supervise and monitor the environment related aspects of the project during construction and operational phases in addition to observance of Gujarat Building and other Construction Workers'(Regulation of Employment & Conditions of Service) Rules 2003.	Environment Management Cell (EMC) is formed and is attached as Annexure-1.
42	Prior permission from the competent authority shall be obtained for cutting of the existing trees before site preparation work is commenced.	The Project site is falling under GIDC Housing estate and there are no trees existing at the site.
43	Water demand during construction shall be reduced by use of curing agents, super plasticizers and other best construction practices.	Noted and will be complied.
44	Wind - breaker of appropriate height i.e. 1/3rd of the building height and maximum up to 10 meters shall be provided. individual building within the project site shall also be provided with barricades.	Condition is noted and applicable compliances shall be ensured at site.
45	Regular water sprinkling shall be done in vulnerable areas for controlling fugitive emission.	Noted and will be complied as per site requirement.
46	No uncovered vehicles carrying construction material and waste shall be permitted.	Noted and is being ensured at site. No uncovered vehicle is being allowed at site.
47	No loose soil or sand or construction & demolition waste or any other construction material that cause dust shall be left uncovered. Uniform piling and proper storage of sand to avoid fugitive emissions shall be ensured.	Noted and is being complied at site.
48	Structural design of the project shall strictly adhere to the seismic zone norms for earthquake resistant structures.	Structural design of the project is prepared in accordance with the seismic zone norms for earthquake resistant structures in line with relevant IS codes & Standards.
49	The planning, designs and construction of all buildings shall be such as to ensure safety from fire.	Noted and is being ensured at site.
50	The project proponent shall ensure maximum employment to the local people.	Noted and is being complied at site.
51	All required sanitary and hygienic measures shall be provided before starting the construction activities and to be maintained throughout the construction phase.	Noted and is being ensured at site.
52	Provision shall be made for housing of construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical healthcare, crèches, electricity & ventilation, canteen, rest rooms, safe disposal system for garbage, first aid, medical and emergency facilities etc. to ensure that they do no ruin the existing environmental condition. The housing may be in the form of temporary structures to be removed after completion of the project.	Required facilities to be given to workers related to their welfare are being provided.
53	Adequate personal protective equipment's shall be provided to the construction workers to ensure their safety and the project proponent shall ensure its usage by the labors.	Complied. Required PPEs like Safety Helmet, Safety shoes, etc. has been given to all workers
54	First Aid Box shall be made readily available in adequate quantity at all the times.	Complied. First Aid box is readily available at site.

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	<u>CONDITION</u>	<u>STATUS</u>
55	Training shall be given to all workers on construction safety aspects.	Complied. Safety training is being given to all workers working on the site.
56	The project proponent shall strictly comply with the building and other Construction Workers'(Regulation of Employment & Conditions of Service) Act 1996 and Gujarat rules made there under and their subsequent amendments.	Noted and shall be complied.
57	The overall noise level in and around the project area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibration dampers etc. on all sources of noise generation.	Complied. Ambient Noise monitoring is being done at site to ensure the same.
58	Ambient noise levels shall conform to residential standards both during day and night. incremental pollution load on the ambient air and noise quality shall be closely monitored during construction phase	Complied. Ambient Noise monitoring is being done at site to ensure the same.
59	The noise generating equipment's, machinery and vehicles shall not be operated during the night hours and shall be maintained properly to avoid generation of high noise due to wear and tear.	No equipment which generates noise are being used in the night hours and being maintained properly.
60	Use of diesel generator sets during construction phase shall be strictly with acoustic enclosure and shall conform to the EPA Rules for air and noise emission standards.	Noted and is being complied DG under use is in sound condition with acoustic insulation and noise monitoring is being done on six monthly basis.
61	Safe disposal of wastewater and municipal solid wastes generated during the construction phase shall be ensured.	Noted and will be complied. Wastewater and municipal solid waste generated at site will be disposed off safely as per requirements.
62	All topsoil excavated during construction activity shall be used in horticultural / landscape development within the project site.	Noted and will be complied.
63	Construction materials and debris shall be properly stored and handled to avoid negative impacts such as air pollution and public nuisances by blocking the roads and public passages.	Noted and will be complied. Construction materials and debris are being properly stored. Ambient air monitoring is being done on site on six monthly basis to monitor the same.
64	Construction debris shall be reused in construction of roads, levelling the site etc. Waste packaging material (like used cement bags, wastepaper, cardboard packing material), metal scraps etc. shall be sold to recyclers or shall be sent to the nearest municipal solid waste landfill site.	Construction debris generating at site is being reused at site only. Waste packaging material (like used cement bags, wastepaper, cardboard packing material), metal scraps etc will be handed over/sold to recycler on call basis based on requirement.
65	Excavated earth to be generated during the construction phase shall be utilized within the premises to the maximum extent possible and balance quantity of excavated earth shall be disposed off with the approval of the competent authority after taking the necessary precautions for general safety and health aspects. Disposal of the excavated earth during construction phase shall not create adverse effect on neighbouring communities.	Excavated earth being generated during the construction phase is being utilized within the premises only and no extra quantity is being generated which requires disposal.
66	Provisions of Construction & Demolition Waste Management Rules-2016 shall be strictly adhered to	Noted and will be complied.

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	<u>CONDITION</u>	<u>STATUS</u>
67	Vehicles hired for bringing construction material at the site shall be in good conditions and conform to applicable air and noise emission standards and shall be operated only during daytime and non-peak hours.	Noted and will be complied.
68	Project proponent shall ensure use of eco-friendly building materials including fly ash bricks, fly ash paving blocks, Ready Mix Concrete [RMC] and lead-free paints in the project.	Eco-friendly building material such as fly ash bricks, paver blocks, etc. is being used at site.
69	Fly ash shall be used in construction wherever applicable as per provisions of Fly Ash Notification under the EP Act, 1986 and its subsequent amendments from time to time.	Eco-friendly building material such as fly ash bricks, paver blocks, etc. is being used at site.
70	Use of glass shall be minimal and only low emissive glass shall be used in the project to reduce the electricity consumption and load on air conditioning	No major glass use is proposed in the project.
B.2	OPERATION PHASE AND LIFETIME:	
71	PP shall take all require mitigation measures so as to comply with the ambient noise levels standards of the residential area during day and nighttime as per Noise Pollution (Control and Regulation) Rules, 2000.	Currently Project is under construction stage. Condition is noted and will be complied in operation stage.
72	PP shall take all require dust mitigation measures so as to comply with the National Ambient Air Quality standards 2009 and shall provide adequate budget for the same.	Currently Project is under construction stage. Condition is noted and will be complied also in operation stage.
73	The project proponent shall prepare, display at prominent place in the construction site and implement the fire and safety SOPs for fall protection, ladders and staircase, scaffolds, trenching and excavation, electrical safety, crane operations, occupational noise mitigation procedure, welding and cutting including provision of PPE kits etc.	Posters related to Fire Safety, PPE's , etc. are being displayed at site. Required Safety precautions will be taken care while working on site.
74	Project proponent or the maintenance society to whom the project has been handed over shall ensure allocation of parking to each and every member of the society as per the rules as soon as possible not later than 3 months and display the same in the society notice board and inform the local authorities like Municipal Corporation, UDA, RERA/ SEIAA and ensure proper parking without fail.	Currently Project is under construction stage. Condition is noted and applicable compliance(s) shall be ensured in operation stage.
75	Proponent shall maintain traffic system within the premises to avoid congestion and unsafe parking in the premises, particularly safety parameters including fire, safety, installation of fire equipment's, house pipes etc. with due care to regular maintenance check-up and hold mock drills from time-to-time. Any damage to the greenbelt area must be avoided unless approved by the competent authority.	Defined vehicle parking area is proposed in the project. All the equipment's related to safety will be maintained and taken care.

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	<u>CONDITION</u>	<u>STATUS</u>
76	The PP shall also ensure notarized undertaking from the maintenance society at the time of hand over to comply with all the conditions of EC scrupulously failing which the EC will be liable to be withdrawn.	Ministry of Petroleum & Natural Gas (MoPNG) has entrusted Petronet LNG Ltd. (PLL) for construction of 1500 Dwelling Units (DUs) under Affordable Rental Housing Complex (ARHC) scheme for urban migrants/poor, under Pradhan Mantri Awas Yojana – Urban (PMAY-U). The Primary aim of ARHC scheme is to develop & provide a section of migrant workforce, access to dignified and affordable rental housing close to their workplace and elevate their living conditions from staying in slums, informal settlements. As the ownership of the proposed project will be with M/s Petronet LNG Ltd. even after completion of the project, So, there will be no transfer of responsibility to other party.
77	Provision of fire lift may be provided; additional lift may be provided in high rise building for safety.	No lift is proposed in the project; therefore, it is not applicable.
78	Regular maintenance of leakages of water and wastewater shall be carried out.	Condition is noted and will be complied in operation stage.
79	When the property is handed over to society, the proponent should ensure by notarized undertaking to abide by all the conditions of EC and copy of the such transfer letter with notarized undertaking shall send to GPCB / SEAC & SEIAA.	Ministry of Petroleum & Natural Gas (MoPNG) has entrusted Petronet LNG Ltd. (PLL) for construction of 1500 Dwelling Units (DUs) under Affordable Rental Housing Complex (ARHC) scheme for urban migrants/poor, under Pradhan Mantri Awas Yojana – Urban (PMAY-U). The Primary aim of ARHC scheme is to develop & provide a section of migrant workforce, access to dignified and affordable rental housing close to their workplace and elevate their living conditions from staying in slums, informal settlements. As the ownership of the proposed project will be with M/s Petronet LNG Ltd. even after completion of the project, So, there will be no transfer of responsibility to other party.
80	The project proponent shall provide water pumping arrangement and especially when the discharge in to municipal drainage, for annual inspection and cleaning to avoid inundation and surface water pollution and health hazard.	Currently Project is under construction stage. Condition is noted and applicable compliance(s) shall be ensured in operation stage.
81	The proponent shall ensure that the occupants of the society are allotted parking space as approved in EC order and put-it on display the allotment of parking to the occupants in the society maintenance of it.	Condition is noted and parking allotment will be ensured in operation stage.
82	The project proponent shall ensure the distance criteria is properly followed while undertaking construction in consistence with the existing directions of local self-government bodies.	Condition is noted and applicable compliance(s) shall be ensured in operation stage.

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	<u>CONDITION</u>	<u>STATUS</u>
83	The orders shall mention the limit of floors given in the proposal. Any deviation from that could attract withdrawal of the EC as a violation case.	Condition is noted and shall be complied.
84	If there is Basement parking in proposed in the project then they should always maintain clean, free from hanging electric wires and provide adequate light.	No basement is proposed in the project; therefore, this condition is not applicable.
85	Separate Entries and Exits shall be provided to the project on the approach road.	Condition is noted and shall be complied
86	Separate Entry and Exit to the basement shall be provided.	No basement is proposed in the project; therefore, this condition is not applicable.
87	Explore possibilities of provision of Electric vehicle charging points in the parking area.	Requirement of this Condition will be reviewed in operation stage.
88	Project Proponent shall provide adequate fund for Environment Monitoring and Staff training in the Environment Management Plan.	Currently Project is under construction stage. Condition is noted and shall be complied.
89	In Municipal Corporation before approval of plan layout it shall be ensure that the project proponent has projected the space for tree plantation with tree guard in a space between municipal road & their premises.	The Project site is falling under GIDC Housing estate and required tree plantation will be carried out during the operation stage in line with GIDC building plan approval.
90	The project proponent shall take written undertaking from the society association to maintain compliance of conditions pertaining to tree plantation, maintaining hygienic condition in and around the premises for building construction projects.	Currently Project is under construction stage. Condition is noted and applicable compliance(s) shall be ensured in operation stage.
91	Notwithstanding the provision of EMP/CER, the proponent shall incur full expenditure as may be required at the time of execution of the project.	Condition is noted.
92	The project proponent shall take written undertaking from the Society Association to ensure compliance of environment conditions when it is handed over to them.	Ministry of Petroleum & Natural Gas (MoPNG) has entrusted Petronet LNG Ltd. (PLL) for construction of 1500 Dwelling Units (DUs) under Affordable Rental Housing Complex (ARHC) scheme for urban migrants/poor, under Pradhan Mantri Awas Yojana – Urban (PMAY-U). The Primary aim of ARHC scheme is to develop & provide a section of migrant workforce, access to dignified and affordable rental housing close to their workplace and elevate their living conditions from staying in slums, informal settlements. As the ownership of the proposed project will be with M/s Petronet LNG Ltd. even after completion of the project, So, there will be no transfer of responsibility to other party and compliance of EC will be ensured.
93	Project proponent shall ensure fire safety and safe lift installation by getting the due certification from competent authority.	Applicable compliance related to fire safety will be ensured. As the building is only G+3 floors only, So no lift is required in the building.

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	<u>CONDITION</u>	<u>STATUS</u>
94	Project proponent shall take proper maintenance of electrification with respect to human safety.	Noted and shall be taken care.
95	Project Proponent shall prominently display the copy of Environment Clearance at site.	Noted and shall be displayed at site.
96	Tree Plantation prescribed in the EC shall be maintained by the Society Association.	Condition is noted and applicable compliance(s) shall be ensured in operation stage.
97	Proponent as well as successor society shall maintain hygienic conditions and cleanliness in and around the project site all the time.	Currently Project is under construction stage. Condition is noted and shall be complied when project will be in operation stage.
98	Project proponent shall ensure fire safety by getting the due certification from competent authority.	Condition is noted and applicable compliance(s) will be ensured.
99	The design of building has to be earthquake resistant & duly certified by competent structural engineer of competent authority.	Design of all buildings/structures/ elements of this project shall be carried out in line with relevant IS Codes & standards.
100	The project proponent shall explore the possibilities & adopt mitigation measures to minimize the impact of project with reference to Urban Heat Island (UHI) Phenomena.	Necessary action will be taken to minimize the impact w.r.t. urban heat island phenomena.
101	The project proponent shall allocate funds as may be required for the compliance of Environment Management plan & CER activity proposed at the time of execution of the project.	Condition is noted and shall be complied
102	Project proponent shall adopt the 3R concept of Reduce, Reuse and Recycle and while handing over the project to Maintenance Society shall ensure the compliances as required.	Concept of 3R- Reduce, Reuse and Recycle will be adopted and will be complied.
103	Low water consuming devices shall be provided. Fixtures for showers, toilet, flushing and drinking shall be of low flow either by use of aerators/ diffusers or pressure reducing devices etc.	Condition is noted and shall be complied. Plumbing Fixtures used in the project will be low water consuming devices.
104	A water meter shall be installed on rainwater harvesting & ground water recharge well system & compliance report of the same shall be submitted to concerned authorities.	Currently Project is under construction stage. Condition is noted and applicable compliance(s) shall be ensured in operation stage.
105	Used oil shall be sold only to the registered recycler.	Noted and shall be complied, whenever requirement arises.
106	Provisions of Solid Waste Management Rules-2016 shall be strictly adhered to.	Noted and shall be complied.
107	Requisite firefighting facilities as per the requirement of NBC and Gujarat Fire Prevention and Life Safety Measures Act-2013 along with the rules & regulations made there under shall be provided.	Fire Fighting requirement for the project has been considered in accordance with applicable standard and will be complied.
108	Underground fire water storage tanks and tenace water storage tanks of adequate capacity shall be provided as proposed. Adequate provision shall be made to ensure that water from the Fire Water Tank shall not be used for any other purpose.	Condition is noted and applicable compliance(s) shall be ensured in operation stage.
109	Dedicated power back up system shall be provided in the case of power failure & emergency of fire water pumps.	Currently Project is under construction stage. Condition is noted and applicable compliance(s) shall be ensured in operation stage.
110	First Aid Box shall be made readily available in adequate quantity at all the times.	Noted and shall be complied.

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	<u>CONDITION</u>	<u>STATUS</u>
111	Main entry and exit shall be separate and clearly marked in the facility.	Condition is noted and main entry and exit will be clearly marked.
112	Necessary emergency lighting system along with emergency power back up system shall be provided. Further, necessary auto glow signage at all appropriate places shall be provided to guide the people towards exits and assembly points during emergency.	Currently Project is under construction stage. Condition is noted and applicable compliance(s) shall be ensured in operation stage.
113	Sufficient peripheral open passage shall be kept in the margin area for free movement of fire tender/ emergency vehicle around the premises.	Condition is noted and required open passage for fire tender/emergency vehicle movement will be ensured.
114	The overall noise level in and around the project area shall be kept well within the prescribed standards by providing noise control measures including acoustic insulation, hoods, silencers, enclosures vibrations dampers etc. on all sources of noise generation including D.G. Sets. The ambient noise levels shall confirm to the standards prescribed under the Environment (Protection) Act and Rules.	Noted and shall be complied in operation stage.
115	The area earmarked for the parking shall be used for parking only. No other activity shall be permitted in this area.	Condition is noted and applicable compliance(s) shall be ensured in operation stage.
116	Traffic congestion near the entry and exit points from the roads adjoining the proposed project site shall be avoided. No public space including the service road shall be used or blocked for the parking.	Noted and will be complied in the operation stage.
117	The project proponent shall install energy efficient devices, appliances, motors, and pumps conforming to the Bureau of Energy Efficiency norms.	Noted and will be complied in the operation stage.
118	The transformers and motors shall have minimum efficiency of 85%.	Noted and will be complied in the operation stage.
119	Only variable frequency motor drives shall be used in project.	Use of variable frequency motor drives shall be reviewed as per the site requirement.
120	Application of solar energy shall be incorporated for illumination of common areas, lighting for gardens and street lighting. In addition the provision for solar water heating system shall also be provided.	Noted and will be complied in the operation stage.
121	Use of glass shall be minimal to reduce the heat island effect as well as to reduce the electricity consumption.	No major glass use is proposed in the project.
122	The area earmarked as green area shall be used only for plantation and shall not be altered for any other , Purpose.	Currently Project is under construction stage. Condition is noted and applicable compliance(s) shall be ensured in operation stage.

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	<u>CONDITION</u>	<u>STATUS</u>
123	Drip irrigation flow volume, low angle sprinkler system shall be used for the lawns and other green area including tree plantation.	Noted and will be complied in the operation stage.
124	The project proponent shall inform to SEAC / SEIAA regarding the transfer of management responsibility to the Society / Association to be formed for the proposed project with all the supporting documents. The society/Association to be formed for further management of the proposed project shall be responsible for compliance of all conditions stipulated in the Environmental clearance order.	Ministry of Petroleum & Natural Gas (MoPNG) has entrusted Petronet LNG Ltd. (PLL) for construction of 1500 Dwelling Units (DUs) under Affordable Rental Housing Complex (ARHC) scheme for urban migrants/poor, under Pradhan Mantri Awas Yojana – Urban (PMAY-U). The Primary aim of ARHC scheme is to develop & provide a section of migrant workforce, access to dignified and affordable rental housing close to their workplace and elevate their living conditions from staying in slums, informal settlements. As the ownership of the proposed project will be with M/s Petronet LNG Ltd. even after completion of the project. So, there will be no transfer of responsibility to other party.
125	Environmental Clearance granted for the project on the basis of documents related to land possession submitted shall become invalid in case the actual land for the project site turns out to be different from the land considered at the time of appraisal of the project and mentioned in the EC.	Noted for information and compliance.
126	All other statutory clearances such as N.A. permission, approvals for storage of diesel from PESO, Fire Department, Airports Authority of India etc., if applicable, shall be obtained by the project proponent from the competent authorities.	Any statutory clearance as mentioned in the condition will be obtained from competent authority, if required.
127	All the conditions as may be stipulated in the N.A. order, Development permission, Building Use permission, NOC obtained from Fire Department etc. shall be strictly complied with.	Noted and will be complied.
128	The project management shall also comply with all the environment protection measures, risk mitigation measures and safeguards proposed by them.	Any Protection measures related to environment, safety which are proposed by project proponent will be complied.
129	All the commitments / undertakings given to the SEAC during the appraisal process for the purpose of environmental protection and management shall be strictly adhered to.	All commitment/undertaking given to the competent authority during appraisal process, will be complied.
130	The project proponent shall also comply with any additional condition that may be imposed by the SEAC or the SEIAA or any other competent authority for the purpose for the environmental protection and management.	Noted. No additional condition imposed by any competent authority except conditions given in the EC.
131	All the terms & conditions prescribed in the amendment of EIA Notification - 2006 published by the MoEF & CC vide its Notification No. S.O. 3999(E) dated 9th December 2016 shall be complied with letter & spirit.	Condition is noted and applicable compliance(s) shall be ensured in operation stage.

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	<u>CONDITION</u>	<u>STATUS</u>
132	The project proponent shall strictly comply with the Gujarat Building and other Construction Workers'(Regulation of Employment & Conditions of Service) Rules 2003 as well as Gujarat Lifts & Escalators Rules as amended from time to time.	Noted and shall be complied. No lift is proposed in the project. Therefore, statutory rules related to it is not applicable.
133	No further expansion or modifications in the project likely to cause environmental impacts shall be carried out without obtaining prior Environment Clearance from the concerned authority.	Noted. No further expansion or modifications will be carried out without obtaining prior Environment Clearance from the concerned authority.
134	The above conditions shall be enforced, inter-alia under the provisions of the water (Prevention & Control of Pollution) Act, 1974, Air (Prevention & Control of Pollution) Act, 198'1, the Environment (Protection) Act 1986 and the Hazardous Wastes (Management Handling and Tran boundary) Rules, 2008, Building and Other Construction Workers' (Regulation of Employment & Conditions of Service) Act-1996, The Gujarat Lifts and Escalators Act-2000 along with their amendments and rules.	Condition is noted and applicable compliance(s) shall be ensured.
135	The project proponent shall obtain the requisite permissions / clearance under the provisions of the Indian Forest Act 1927, Forest Conservation Act 1980 and Wildlife (Protection) Act 1972.	Condition is noted and applicable compliance(s) shall be ensured.
B.3	OTHERS:	
136	The project proponent shall allocate the separate fund as committed before SEAC for activities Environment related activities like installation of Groundwater harvesting system, installation of solar street light system, Development of existing water pond, etc. at nearby villages Public Health related activities like Mobile Health Unit for the local community, Health Check-Up Program, Toilet blocks, etc. at nearby villages. Providing dry and wet dustbins, for nearby villages along with the operation & maintenance Education-related activities like the Development of nearby villages school amenities, vocational training programs for women, etc. Activities proposed under Corporate Environment Responsibility (CER) shall be part of Environment Management Plan (EMP) as per the MoEF & CC's OM no. F. No. 22-65/2017-1A.III dated 30.09.2020. The said activities shall be completed within 3 years from the commencement of the project. The CER shall be monitored, and the monitoring report shall be submitted to the regional office of MoEF & CC as a part of half-yearly compliance report and to the District Collector. The monitoring report shall be posted on the website of the project proponent.	Noted and shall be complied.
137	The project authorities shall earmark adequate funds to implement the conditions stipulated by SEIAA as well as GPCB along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Noted and shall be complied.

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	<u>CONDITION</u>	<u>STATUS</u>
138	The project proponent shall adhere to provisions made for Corporate Environment Responsibility 'CER" in Office Memorandum dated 0110512018 by Ministry of Environment, Forests & Climate Change and its amendments from time to time in a letter and spirit.	Noted and shall be complied.
139	The applicant shall inform the public that the project has been accorded environmental clearance by the SEIAA and that the copies of the clearance letter are available with the GPCB and may also be seen at the Website of SEIAA/ SEAC/ GPCB.	Informed to the public through all mentioned platforms.
140	It shall be mandatory for the project management to upload half yearly compliance report on website of Gujarat Real Estate Regulatory Authority, on 1st June and 1st December of each calendar year.	As per RERA Act,2016, Chapter – II section 3.2.c, RERA registration is not required for this project.
141	The project authorities shall also adhere to the stipulations made by the Gujarat Pollution Control Board.	Noted for information and necessary action.
142	The project authorities shall inform the GPCB, Regional Office of MoEF & CC and SEIAA about the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Noted and shall be complied.
143	The SEIAA may revoke or suspend the clearance, if implementation of any of the above conditions is not found satisfactory. This environmental clearance is valid for ten years from the date of issue.	Noted for information.
144	Submission of any false or misleading information or data which is material to screening or scoping or appraisal or decision on the application makes this environment clearance cancelled.	Noted for information and necessary action.
	COMPLIANCE OF ENVIRONMENT CLEARANCE/REPORTING/ADMINISTRATION APPEAL	
145	Project Proponent shall submit CER plan to respective Collectors, DDO and Municipal Commissioner/Urban Development Authority and implement of CER activities under intimation and guidance of the respective authorities.	Currently Project is under construction stage. Condition is noted and shall be complied when project will be in operation stage.
146	Project proponent shall inform to all the concerned authorities including Municipal Corporation, district collector, UDA & RERA and shall also give wide publicity through advertisement in minimum two local newspapers within seven days, about the environment clearance order accorded.	Informed to the public through all mentioned platforms.
147	Project proponent shall appoint a key person in the organization who shall be responsible for compliance of above condition fully on behalf of the proponent. It will not mean that appointing a key person will exempt the project proponent from the responsibility of compliance. Any change in key person shall immediately be informed to SEIAA and all concerned authorities.	Mr. Nishant Patel (Head – Projects) has been appointed as the key person who is responsible for compliance of conditions given in the EC.
148	Designated key person shall submit six monthly compliance report to SEIAA/SEAC, MOEF&CC, GPCB and Nodal Department of the Government.	Noted and will be complied.

N. Patel

	<u>CONDITION</u>	<u>STATUS</u>
149	Prior EC is granted is subject to the proponent receiving all statutory permission / clearances / certificates and membership of respective agencies / authorities failing which this provisional EC will stand withdrawn. Proponent shall inform progress from time to time, in six monthly compliance report to MOEFCC / SEIAA / SEAC/ GPCB.	Noted and will be complied.
150	The concern authority like Municipal Corporation, district collector, UDA & RERA or any authority or officer authorized by MOEF&CC/SEIAA can inspect the site of the project and all the facilities, for verification of compliances of environment clearance conditions.	Noted for information. All applicable EC conditions will be complied.
151	In case of violation reported upon, the project proponent shall be responsible for all the legal actions as per Environment Protection Act, 1986 including SEIAA may cancel, withdraw or keep in abeyance, the environment clearance accorded.	Noted for information.
152	Any person including the project proponent affected by this environment clearance order may file appeal to Honorable National Green Tribunal West Zone branch, Pune, preferably within a period of thirty days from the date of issue of environment clearance as prescribe under section 16 of National Green Tribunal Act 2010.	Noted for information.
153	All complains and public grievance or representations may be addressed to SEIAA/SEAC in the email addresses (a) msseiaagj@gmail.com & (b) seacgujarat@gmail.com.	Noted for information.

NR
14/07/2022

ANNEXURE - II - ENVIROMENT DATA

AMBIENT AIR QUALITY STATUS REPORT

All units are
in $\mu\text{g}/\text{m}^3$.

Sr.no.	Month	PM10		PM2.5		SOx		NOx	
		Min	Max	Min	Max	Min	Max	Min	Max
	NAAQ norms	100 $\mu\text{g}/\text{m}^3$		60 $\mu\text{g}/\text{m}^3$		80 $\mu\text{g}/\text{m}^3$		80 $\mu\text{g}/\text{m}^3$	
1	May'23	78.20	89.80	28.80	34.80	16.90	19.60	21.80	24.20

NOISE LEVEL REPORT

Sr.no.	Location	Unit	Limit	May'23	
				L _{day}	L _{night}
1	North	Decibel	Day-75 db Night-70db	59.3	50.6
2	East	Decibel	Day-75 db Night-70db	58.6	53.1
3	West	Decibel	Day-75 db Night-70db	60.7	50.8
4	South	Decibel	Day-75 db Night-70db	60.3	52.3

Ravi

**Construction of Affordable Rental Housing Project (ARHC) at Eksal,
Bharuch. Work Progress status as on 30.06.2023**

1. Area grading and Soil filling work with compaction is in progress.



2. Installation of Test Pile Work is in Progress.

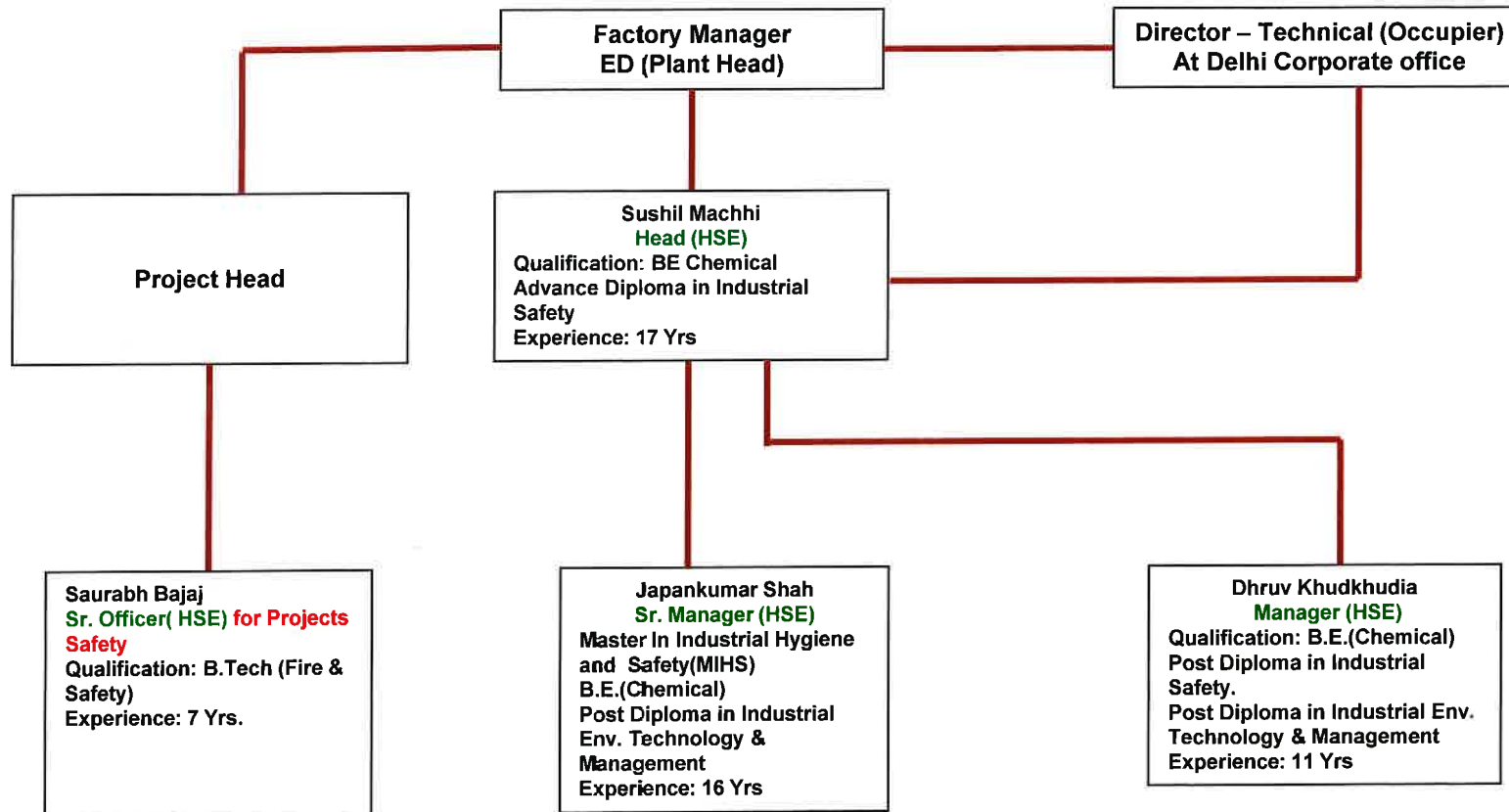


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Annexure-XII

EMC Organogram – PLL, Dahej



N. Patel
Nishant Patel