Your (Half Yearly Compliance Report) has been Submitted with following details	
Proposal No	SIA/UP/MIS/299550/2023
Compliance ID	130038304
Compliance Number(For Tracking)	EC/M/COMPLIANCE/130038304/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	16-06-2025
RO/SRO Name	Shri Ashok Kumar Sinha
RO/SRO Email	tg035@ifs.nic.in
State	UTTAR PRADESH
RO/SRO Office Address	Integrated Regional Offices Lucknow
Note:- SMS and E-Mail has been sent to Shri Ashok Kumar Sinha, UTTAR PRADESH with Notification to Project Proponent.	



**Ref No.** KSMB/EIA/2025/217

**Date:** 03/06/2025

To,

#### Regional Office,

Ministry of Environment and Forest & Climate Change, Kendriya Bhawan, 5<sup>th</sup> Floor, Sector-H, Aliganj, Lucknow-226024,

Telefax: 0522-2324043

Subject: Post Environmental Clearance Compliance of Project "Garden Bay" at Village Ghaila and Alinagar, Lucknow, U.P. (Pre-Monsoon Season Compliance, 2025)

Ref: Your letter no.215/Parya/SEIAA/3640/2023, dated 01 June 2023.

Dear Sir,

This is to inform you that our project has been accorded Environmental Clearance from SEIAA, UP, vide letter no. 215/Parya/SEIAA/3640/2023, dated 01 June 2023.

We are herewith submitting point wise compliance as per conditions mentioned in the Environmental Clearance **(Pre-Monsoon Season, 2025)** with latest Environmental Monitoring reports, in prescribed format along with the necessary Annexure for your kind consideration.

We assure that the compliance of the conditions given by SEIAA is being strictly followed with the progress of the project.

Thanking you, Yours Sincerely,

For, Shalimar KSMB Projects

**Authorized Signatory** 

Encl: As above





Titanium Shalimar Corporate Park, Vibhuti Khand, Gomti Nagar, Lucknow-226 010

Tel.: +91 522 4030444

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# Compliance Report For

"Residential Township "Garden Bay" at Village Ghaila and Alinagar, Lucknow, U.P."

> Pre Monsoon Compliance Report June-2025

Environment Clearance letter no. 215/Parya/SEIAA/3640/2023 Dated 01 June, 2023

Submitted By
M/s Shalimar KSMB Projects, Ground Floor,
Shalimar Square, BN Road, Lalbagh,
Lucknow, U.P.

#### **Compliance Report (Pre Monsoon Season, 2025)**

#### **Project Details:**

- 1. Name of Project: Garden Bay
- 2. Location: Village Ghaila and Alinagar, Lucknow, U.P.
- 3. Total Plot Area: 3, 13,948 m<sup>2</sup>
- 4. Built up Area: 1,77,558 m<sup>2</sup>
- 5. Environmental Clearance no. 215/Parya/SEIAA/3640/2023 Dated 01 June, 2023
- 6. Period of Compliance Report- Pre Monsoon Season Compliance Report 2025

#### **Construction Status:**

Detailed construction progress report with site photographs and competition certificate of Commercial, Garden Bay Height, Orchid and Deffodill are attached as **ANNEXURE-I** 

Construction has been started after obtaining EC vide letter no. 215/Parya/SEIAA/3640/2023 Dated 01 June, 2023. Based on the recommendations of SEAC meeting, the SEIAA decided to grant the Environment Clearance to the project subject to the effective implementation of the following generaland specific conditions:

to tl	he project subject to the effective implementation of	the following generaland specific conditions:
	<b>Conditions</b>	<b>Compliance Status</b>
(a)	General Conditions	
1.	It shall be ensured that all standards related to	1 7
	ambient environmental quality and the emission	and the emission /effluent standards as prescribed by
	/effluent standards as prescribed by the MOEF	the MoEF& CC are being complied all along the
	are strictly complied with.	progress of the project from construction to Operation
		phase.
		Copy of monitoring report is attached as
		ANNEXURE-II.
2.	It shall be ensured that obtain the No Objection	NOC has been granted from the UP Pollution Control
	Certificate from the UP Pollution Control	Board, vide letter no. 113642 / UPPCB / Lucknow
	Board before start of construction.	(UPPCBRO) / CTE/ LUCKNOW / 2020 Dated
		18/06/2022.
		Copy of CTE is attached as <b>ANNEXURE-III</b> .
<b>3.</b>	It shall be ensured that no construction	Work at site has been initiated only after
	work or preparation of land by the Project	Receiving Environmental Clearance from U.P. SEIAA,
	management except for securing the land	EC vide letter no. 215/Parya/SEAC/3640/2023 dated
	is started on the project or the activity	<b>01 June 2023.</b> Copy of EC- Expansion &
	without the prior EC.	Amendment is attached as ANNEXURE-IV.
4.	The proposed land use shall be in accordance to	
	the prescribed land use. A land use certificate	to Residential and commercial through the gazette
	issued by the competent authority shall be	notification. Master Plan has been attached as
	obtained in this regards.	Annexure V
5.	All trees felling in the project area shall be as	Efforts were made to conserve the existing trees and
	permitted by the forest department under the	environmental conservation.
	prescribed rules. Suitable clearance in this	No site clearing activities are further required.
	regards shall be obtained from the competent	
	authority.	
6.	Impact of drainage pattern on	Impact of drainage pattern on environment has been
	environment should be provided	studied and submitted to the SEAC in the Detailed EIA
		Report. Compliance has been done

7	Cumfo on hardwale are and resolve maxima of the	Study recording symfole by dreleasy of the musicat
7.	Surface hydrology and water regime of the project area within 10 km should be provided.	Study regarding surface hydrology of the project and nearby areas, has already been submitted with the
	project area within 10 km should be provided.	EIA Report. There is no change in surface hydrology.
		Compliance has been ensured.
8.	A suitable plan for providing shelter, light and	
0.	fuel, water and waste disposal for const ruction	1 1 3
	labor during the construction phase shall be	11
	provided along with the number of proposed	
	workers.	provided for the labors coming from outside the city.
		Facilities for drinking water, toilets, bathing area and
		waste & sewage disposal are present at the project site.
9.	Measures shall be undertaken to recycle and	Treated water recycling plan has been
	reuse treated effluent for horticulture and	• • •
	plantation. A suitable for waste water	STP outlet as per norms is recycled.
	recycling shall be submitted	1
10.	Obtain proper permission from the competent	PUC certified vehicles are authorized to ply on roads
	authority regarding enhanced traffic during and	± •
	due to construction & operation of project	No vehicles will be allowed to be parked on public
		roads. Provided in house parking of adequate capacity.
11.	Obtain necessary clearance from the competent	
	authority on the abstraction and the use of	attached as ANNEXURE-VI.
	ground water during the Construction &	
	operation phases.	
12.		Presently no Hazardous / Inflammable / Explosive
		materials are being used at site except DG set fuel. It is
		also being temporarily stored in aseparate isolated area.
	procedure as prescribed under law, necessary	
10	clearance in this regards shall be obtained.	40.1 0.111 1.11
13.	Solid waste shall be suitably segregated and	
	•	provided in the complex. Necessary agreement with private firm has been done for handling and disposal of
	Necessary plans should be submitted in this	
	regards.	A copy of payment receipt from Municipal Corporation
	regards.	has been attached as <b>ANNEXURE-VII</b> .
14.	Suitable Rain Water harvesting system as per	
14.		directions of Ground water board. Details h a v e been
	installed. Complete proposal in this regards	
	should be submitted.	The state of the s
15.	The emission and effluents etc. from machines,	Domestic sewage is being treated in 850KLD STP
	instruments and transport during construction	plant (Phytorid Technology ) and 210 KLD (MRRR
	and operation phases should be according to the	Technology) treated water is recycled after tertiary
	prescribed standards. Necessary plans in this	treatment by making the system discharge free, i.e.
	regards shall be submitted.	Zero Discharge is proposed, as far aspossible.
		At present there are total 12 nos. of DG sets are present
		at site with capacities 320 KVA*1, 400 KVA *2, 125
		KVA *2, 63 KVA *2, 100 KVA *2, 200 KVA *1 & 1000
		KVA *2.
		For construction purposes, 1 no's DG set having
		capacity 125KVA is used.
		For disposal of exhaust from DG sets, Chimney
		/Stack height has been provided as per CPCB
		Standards.

16.	measures should be undertaken to take care of dust generated during the construction and	All the suitable measures are being followed to control the dust dispersion like site barricading of adequate height, sprinkling, covering of construction materials etc. Photographs have been attached as <b>Annexure VIII</b> .  During operation phase fugitive dust emission will be managed through peripheral plantation and fixing the speed limit of vehicles inside the premises.
17.	Suitable noise abatement measures shall be adopted during the construction and operation phases in order to ensure that the noise emission do not violate the prescribed Ambient Noise Standards. Necessary plans in this regards shall	Noise resulting from operation of construction machinery may constitute an additional environmental stress. Following practices have been adopted to mitigate noise pollution, as:  • Curtain walls of about 8ft height are
	be submitted.	<ul> <li>provided to confine the noise within the project area.</li> <li>Equipment having tolerable noise level are used to ensure compliance.</li> <li>Workers employed in high noise areas are being rotated.</li> <li>Earplugs/muffs, or other hearing protective wear are being provided to those working close to the noise generatingmachinery.</li> <li>Proper maintenance of construction equipment is being done at regular interval.</li> </ul>
18.	Separate stockpiles shall be maintained for excavated top soil and the top soil should be utilized for the preparation of the green belt.	
19.	Sewage effluents shall be kept separate from rain water collection and storage system and separately disposed. Other effluent should not be allowed to mix with Domestic effluent.	No other effluents are generated from the project other than domestic effluent. Separate pipe network is laid to handle stormwater.
20.	Hazardous/Solid waste generated during	Except DG set waste oil, no hazardous waste is generated. Waste oil is being presently stored temporarily at a separate isolated place and is being handed over to authorized recyclers. The treatment/disposal of waste oil will be as per Hazardous Waste Management Rules, 2016.
21.	(Like Vermin-culture etc.) should be used in consultation with expert organizations.	The project is construction of Residential Complex. The solid waste collection and segregation site is provided whereas processing/disposal will be managed by authorized vendor. MSW generated shall be disposed-off as per SWM Rules, 2016.
22.	No wetland should be infringed during construction and operation phase. Any wetland coming in the project area should be rejuvenated and conserved.	There is no wetland in the project area. No further Compliance is required.

23.	Pavement shall be so constructed as to allow infiltration of surface runoff of rain water. Fully impermeable pavement shall not be constructed. Construction of pavement around trees shall be as per scientifically accepted principal and in order to provide suitable watering, aeration and nutrition to tree.	It has been complied.
24.	The Green building concept suggested by Indian Green Building Council, which is part of CII-Godrej GBC shall be studied and followed as for as possible	A large number of green concepts as suggestedby IGBC are being incorporated in this project.
25.	Compliance with safety procedures, norms and guidelines as outlined in National Building Code 2005 shall be compulsorily ensured	All construction activities are strictly following safety procedures and norms as prescribedin National Building Code 2005.
26.	Ensure usage of dual flush system cisterns and explore options to use sensor based fixtures, waterless urinals and other waste saving techniques.	Dual plumbing systems utilizing recycled water for flushing are being installed. Other practices being adopted for reducing dependability on fresh/municipal water are —  > Use of water efficient plumbing fixtures as dual flushing cistern.(9 liters and 7 liters are being installed)  > Leak detection and repair techniques.  > Awareness campaign for reduced water use.  > Metered water consumption.
27.	Explore options for use of dual pipe plumbing for use of water with different qualities such as municipal supply, recycled water, ground water etc.	Dual pipe plumbing is present for the use of water with different qualities such as recycledwater and ground water etc.
28.	Ensure use of measures for reducing water demand for landscaping and using xeriscaping efficient irrigation equipment & controlled watering systems.	horticulture. Water Conservation measures for
29.	as alternative of energy. Solar energy	
30.	Make separate provision for segregation, collection, transport and disposal of e- waste.	No e-waste is being presently generated. Necessary negotiations will be held with authorized dealers before the Operation Phase. Segregation, collection, transport and disposal ofe-waste will be as per E-Waste Management Rules, 2016.

31.	· · · · · · · · · · · · · · · · · · ·	Environment awareness drives are organized withthe
		involvement of all stakeholders through programmes,
	create environmental awareness.	pep talk & displays.
<b>32.</b>	Traffic congestion near the entry and exit	The project provides sufficient parking space. Wherever
	points from roads adjoining the proposed	necessary, glow sign boards are beinginstalled to
	project site must be avoided. Parking should be	
	fully internalized and no public space should be	
	utilized.	Already submitted with previous compliance report.
33.		A Disaster Management Plan has been
33.		$\varepsilon$
	management plan.	submitted in the previous compliance report.
34.	The project proponents shall ensure that no	Construction activities were started after obtaining
	construction activity is undertaken without	Environmental Clearance videLetter no
	obtaining pre environmentalclearance.	1924/parya/SEAC/1747/2013/AD/(H)
	0.1	Dated: 12/10/2013.
		However, due to change in layout plan Amended EC
		has been issued again in 2023 vide Letter no 215 /
		Parya/SEIAA/3640/2023 Dated 01 June, 2023
		rarya/SEIAA/3040/2025 Dated 01 June, 2025
<b>35.</b>	A report on the energy conservation measures	Report on energy conservation measures adopted for
	confirming to energy conservation norms	the project has been submitted in theprevious
	finalize to Bureau of Energy efficiency should be	
	prepared incorporating details about building	1
	materials and technology, R and U factors etc.	
36.		Fly Ash and Pozzolana based material for construction
30.		
		activities and also for paving blockswill be used as per
	notification of September, 1999 and amended as	=
	on August, 2003 (The above condition is	
	applicable only if the project lies within 100km	
	of Thermal power Station)	
37.	The DG sets to be used during construction	High performance diesel (low sulphur diesel) is being
37.		
	phase should be use low sulphur diesel type	used up in DG Sets; emissions of these sets strictly
	and should confirm to E.P. rules prescribed	comply with the prescribed emission standards for
	for air and noiseemission standards.	noise and air as per E.P. Rules. A report on DG sets
		stack monitoring has been attached at GC no. 1.
38.	Alternate technologies to chlorination (for	The STP being used is based on Phytorid Technology.
	disinfection of waste water) including methods	Provision for ultra-violet radiation, ozonation, and
	like ultra violet radiation, Ozonation etc. shall	other disinfection techniques willbe explored.
	be examined and report submitted with	
	justification for selected technology.	
39.	The green belt design along the periphery	Green Belt photographs and list of plants are attached
	of the plot shall achieve attenuation factor	as ANNEXURE-IX
	conforming to the day and night noise	WO ARE TO TRACE OF BAR
	standards prescribed for residential land use.	
	•	
	The open spaces inside the plot should be	
	suitably landscape and covered with vegetation	
	of indigenous variety.	
40.		The project is being developed on a vacant land. All
	<del>-</del>	the necessary practices are being adopted to avoid any
	that micro climate of the area is not	change in microclimate of the project area.
	adversely affected.	
	-	

41	The building should be design so as to take sufficient safeguard regarding seismic zone sensitivity.	The area falls in Seismic zone III. The proposed building will be seismically resistant and designed as per the following IS: Code-IS 1893:2002 Criteria for Earthquake Resistant Design of Structure IS 4326:1993 Earthquake Resistant Design & Construction of building-Code of Practice IS 13920:1993 Ductile Detailing of Reinforced Concrete Structures subjected to Seismic Forces – Code of Practice.
42.	High rise buildings should obtain clearance from aviation department or concerned authority.	NOC from aviation department had been taken &is attached as <b>ANNEXURE-X</b> .
43.	Suitable measures shall be taken to restrain the development small commercial activities or slums in the vicinity of the complex. All commercial activities should be restricted to special areas earmarked for the purpose.	No haphazard development is present inthe vicinity.
44.	It is suggested that literacy program for weaker section of society/women/adult (Including domestic help) and under privilege children could be provided in formal way.	It is being continuously done with the company's fund.
45.	The use of Compact Fluorescent lamps should be encouraged. Management plan for the safe disposal of used / damaged CFLs should be submitted.	Use of T-5/LED is encouraged to reduce the requirement of the project. Damaged CFLs, if any, will be disposed along with E-waste. E- waste management plan has been submitted with the previous compliance report.
46.	It shall be ensured that all street and park lighting is solar powered 50% of the same may be provided with dual (solar /electrical) alternatives.	
47.	Solar water heater shall be installed to the maximum possible capacity. Plans may be drawn up accordingly hands submitted with justification.	
48.	Treated effluent shall be maximally reused to aim for zero discharge. Where ever not possible, a detailed management plan for disposal should be provided with quantity and qualities of waste water.	Detailed plans for recycling and reuse havebeen provided in the EIA report.
49.	The treated effluents should normally not be discharged in to public sewers with terminal treatment facilities as they adversely affect the hydraulic capacity of STP. If unable, necessary permission from authorities should be taken.	Noted and Compliance will be ensured.
50.	Construction activities including movements of vehicles should be so managed so that no disturbance is caused nearby residents.	Noted and Compliance will be ensured.

51.	All necessary statutory clearances should be obtained and submitted before start of any construction activity and if this condition is violated the clearance, if and when given, shall be automatically deemed to have been cancelled.	been obtained.
52.	Parking area should be in accordance with the norms of MoEF, government of India. Plans may be drawn up accordingly and submitted.	
53.	The location of the STP should be such that it is away from human habilitation and does not cause problem of odor. Odorless technology options should be examined and a report submitted.	will not cause problem of odor. Detailed STP plan and photographs is attached as
54.	The environment management plan should also include the break up costs on various activities and the managementissues also so that residents also participate in the implementation of the environment management plan.	
55.	Detailed plans for safe disposal of STP sludge shall be provided along with ultimate disposal location, quantitative estimates and measures proposed.	landfilling.
56.	Status of the project as on date shall be submitted along with photographs from North, South, West and East side facing camera and adjoining areas should be provided.	reference.
57.	Specific location along with dimensions with reference to STP, Parking, Open areas and Green belt etc. should be provided on the layout plan.	attached as ANNEXURE-XII.
58.	The DG sets shall be so installed so as to conform to prescribed stack heights and regulations and also to the noise standards as prescribed, Details should be submitted.	DG Sets installed will strictly conform to the prescribed stack height regulations as wellas the noise standards.
59.	E- waste management should be done asper MoEF Guidelines.	E-Waste management is being negotiated with approved vendor. E-Waste is likely to be generated only in the operation phase & will be managed as per the provisions of E Waste Rules 2016.
60.	Electrical waste should be segregated and disposed suitably as not to impose environmental risk.	Segregation of e-waste will be as per e-waste management plan.
61.	The use of suitably processed plastic waste in the construction of roads should be considered.	Use of suitable processed plastic wastein the construction of roads has been considered and complied.
62.	Displaced persons shall be suitably Rehabilitated as per prescribed norms.	No displacement involved.

63.	Dispensary for first aid shall be provided	Dispensary for first aid has been provided at the Project Site.
64.	Safe disposal arrangement of used toiletries items in hotels should be ensured. Toiletries items could be given complementary to guests, adopting suitable measures.	Not applicable.
65.	Diesel generating set stacks should be monitored for CO and HC.	DG stacks are being regularly monitored for CO.
66.	Ground water downstream of rain water harvesting pit nearest to STP should be monitored for bacterial contamination. Necessary hand pumps should be provided for sampling. The monitoring is to be done in pre and Post Monsoon seasons	operation of Rain Water Harvesting system is being done.
67.	The green belt shall consist of 50 %trees, 25% shrubs and 25 % grass as per MoEF norms.	It is being incorporated in the Landscape plan for Implementation.
68.	A separate electric meter shall be provided to monitor consumption of energy for the operation of sewage /effluent treatment in tanks.	Separate meter will be provided to monitor energy consumption for the operation of STP.
69.	An energy audit should be annually carried out during the operational phase and submitted to the authority.	Noted and shall be complied during the operation phase.
70.	Project proponents shall endeavor to obtain ISO: 14001 Certification. All general and specific conditions mentioned under this environmental clearance should be included in the environmental manual to be prepared for the certification purpose and compliance.	It will be included in the management document for Resident Welfare Association / Special Purpose Vehicle.
71.	Environmental Corporate Responsibility (ECR) plan along with budgetary, provision amounting to 2% of total project cost shall be submitted (within the month) on need base assessment study in the study area. Income generating measures which can help in upliftment of weaker section of society consistent with the traditional skills of people identified. The programme can include activities such as old age homes, rain water harvesting provision in nearby areas, development of fodder farm, fruit bearing orchards; vocational training etc. In addition, vocational training for individuals shall be imparted so that poor section of society can take up self-employment and jobs. Separate budget for community development activities and income generating programmers shall be specified. Revised ECR plan is to be submitted within 3 month. Falling which, the environmental	Environmental Corporate Responsibility (ECR) plan along with budgetary, provision is being prepared and will be submitted with next compliance report.  Training programme will be conducted at regular interval.

	Clearance shall be deemed to be cancelled.	
72.	Appropriate safety measures should be made for accidental fires.	Appropriate fire safety measures have been adopted for the protection of workers during construction phase. For operational phase all the required safety measures are proposed. Fire extinguishers are being installed in club and commercial areas.
72.	Smoke meters should be installed aswarning	Installation of smoke meters is an essential partof
	measures for accidental fires.	Fire safety Plan. Final NOC from Fire Department is attached as ANNEXURE-XIII.
73.	Plan for safe disposal of R.O reject is to be submitted.	There is no RO reject from the project site.
	Specific conditions:	
1.	The project proponent shall submit within the next 3 months the details of solar power plant solar electrification details within the project.	_
2.	The project proponent shall ensure to plant	Green area has been developed in the project site
	broad leaves trees and their maintenance. The CPCB guidelines in this regard shall be followed.	Photograph and list of plants has been attached as Annexure IX
3.	The project proponent shall submit within the next 3 months the details on quantification of	The detailed CSR activities are being planned and will be submitted during next compliance.
	year wise CSR activities along with cost and	and will be submitted during next compilance.
	other details. The CSR activities should be related to mitigation of Environment Pollution	
	and awareness forthe same.	

4.	The project proponent shall submit within the	Details of estimated construction waste generated
	next 3 months the details of estimated	and its management plan has been submitted as
	construction waste generated during the	Annexure XV
	construction period and its management plan.	
<b>5.</b>	The project proponent shall submit within the	48 hours Solid waste collection center has
	next 3 months the details of segregation Plan of	been provided in the complex. Necessary
	MSW.	agreement with private firm has been done for
		handling and disposal of MSW.
		A copy of payment receipt from Municipal
		Corporation has been attached as <b>Annexure-VII</b> .
6.	The project proponent shall engage the agency	There is no hospital inside the township. A small
	authorized by UPPCB for Biomedical waste	healthcare centre is proposed, so very less quantity
	collection, transportation, disposal and treatment.	
	The project proponent shall submit within the	· ·
	next 3 month the details of segregation and	
	management plan of biomedical waste.	
7.	The project proponent shall ensure that waste	To reduce the load on Ground water Tertiary
' •	water is properly treated in STP and reused	
	maximum for gardening, flushing system etc. For	
	reuse of water for irrigation sprinkler and drip	
	irrigation system shall be installed and	
	maintained for proper function.	
8.	The project proponent will ensure that proper	
	dust control arrangement are made during	-
	construction and proper display board is installed	
	at the site to inform the public the steps taken to	<b>U</b> 1
	control air pollution as per the Construction	attached as Annexure VIII.
	and Demolition Waste Management Rules.	
9.	Plantation of trees should be of indigenous	List of plants has been attached as <b>Annexure IX</b>
	species and may be as per the consultation of	
	local district Forest Officer.	
L	I	

10	The weste water generated should be	The waste water generated will be treated in
10.		
		STP present at the site and will be reuse for
		flushing and horticulture. There is no provision of
	and effluent such as RO rejects with high	RO.
	TDS and other chemical bearing effluent	
	shall be treated separately.	
11.	The height, Construction built up area of	It has been complied.
	proposed construction shall be in	
	accordance with the existing FAR norms	
	of the competent authority & it should	
	ensure the same along with survey	
	number before approving layout plan &	
	8	
	certificate to proposed work. Plan	
	approving authority should also ensure	
	the zoning permissibility for the	
	proposed project as per the approved	
	development plan of the area.	
12.	"Consent for Establishment" shall be	"Consent for Establishment" has been obtaine
	obtained from UP Pollution Control	vide letter no. 113642/UPPCB/Lucknow
	Board.	(UPPCBRO)/CTE/LUCKNOW/2020 Dated
12		21/06/2021
13.	All required sanitary and hygienic	Hutments with basic amenities such as drinking
	measures should be in place before	water, electricity, toilet facilities are being provided
	starting construction activities and to	to labours by the contractor. Further, toilets are
	maintain throughout the construction	being provided at the site. Photograph has been attached as <b>Annexure XVI.</b>
	phase.	
14.	Project proponent shall ensure completion	Photographs of STP, MSW disposal facility,
	of STP, MSW disposal facility, green belt	green belt development has been attached as
	development prior to occupation of the	Annexure XVIII
	building.	
15		Mostly labours are from local area, labour camps
		are also provided for the labour with necessary
	all necessary infrastructure and facilities	facilities like fuel for cooking mobile toilets,
	such as fuel for cooking mobile tollets,	mobile STP, safe drinking water, medical health
	module 511, sale utiliking water,	care, crèche and First Aid Room etc. Photograph of
	,	the labour camp has been attached as <b>Annexure</b>
		-
17		XVI.
16.	Adequate drinking water and sanitary facilities should be provided for	Adequate drinking water and sanitary facilities
	construction working at the site Dravision	are being provided for construction workers at
	should be made for mobile toilets. The	the site. Photograph of the labour camp has been
	safe disposal of wastewater and solid	attached as Annexure XVI.
1	wastes generated during the construction	
	phase should be ensured.	

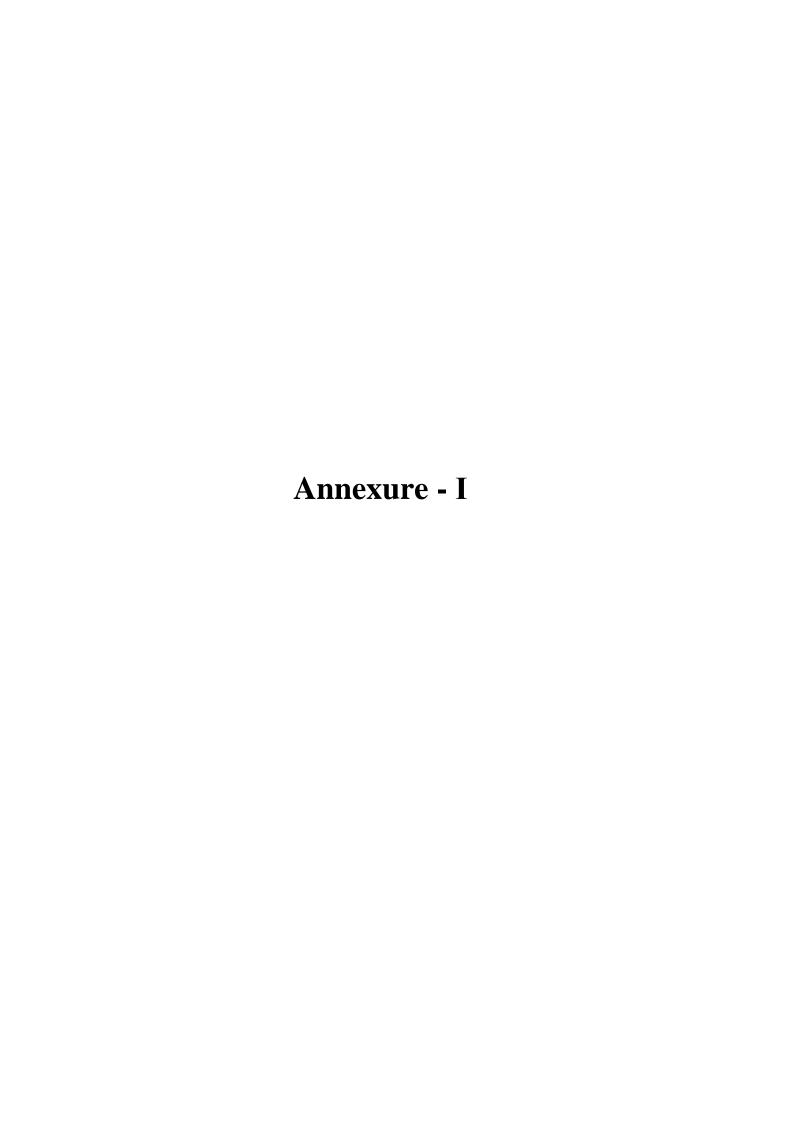
		(0.1
17.	The solid waste generated should be	48 hours Solid waste collection center has been
		provided in the complex. Necessaryagreement with
	solid waste should be disposed-off to the	_
	approved sites for land filling after	
	recovering recyclable material.	A copy of payment receipt from Municipal Corporation has been attached as <b>Annexure-VII</b> .
18.	<u> </u>	There is no hospital in the township. A small health
	_	care unit is proposed, so very less amount of
		biomedical waste will be generated from the site
	·	which will be treated as per biomedical waste
	management and disposal.	(Management and Handling) Rules 2016.
19.	• -	No radioactivity waste will be generated from the
	and safe disposal of radioactive materials.	1 0
	Procedural protocol prescribed by competent	
	authority should be followed	
20	for the same.	Comparate Copiel Descriptibility (CCD) 1
20		Corporate Social Responsibility (CSR) phase wise plan along with budgetary provision amounting to 2%
		of the total project cost shall be submitted to
		authority along with next compliance report.
	beneficiaries with their mobile number	authority along with next comphance report.
21.	No parking shall be allowed outside theproject	Parking provision is provided as per the MoEF
	boundary.	norms.
	•	
22.	Parking space for ambulances shall be	Separate parking space will be provided for
	exclusively earmarked.	ambulance.
23.	Police post shall be provided near	Police post shall be provided near emergency.
	emergency.	
24	Dedicated power supply to be installed in	There is no such provision proposed.
	Operation Theater and other critical areas.	
25.	Accommodation for attendants to be	There is no hospital proposed; only a smallhealth
	provided near indoor nursing wards.	care unit will be constructed.
26.	Digging of basement shall be undertaken in	All the topsoil excavated during construction
	view of structural safety of adjacent buildings	activities is stored for use in horticulture
	under information/consultation with District	/ landscape development within the project site.
	Administration /Mining Department. All the	
	topsoil excavated during construction	
	activities should be stored for use in	
	horticulture /landscape development within	
	the project site. Additional soil for leveling of the proposed site shall be generated within	
	the sites (to the extent possible) So that	
	natural drainage system of the area is	
	protected and improved.	
27.		The structural stability certificate has been obtained
		from the authority and has been attached here for
	due to any possible earthquake, adequacy of	•
	firefighting equipment etc. as per National	
	<b>Building Code including measures from</b>	
	lighting.	

28.	Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspect of people, only in approved sites with the approvals of U.P Pollution Control Board.	Muck generated during construction phase will be stacked properly at the site and will later be taken away and disposed of necessary precautions are being considered general safety and health aspects of people.  Also, it will be disposed-off at the Approved site.
29.	Any hazardous waste generated during construction phase should be disposed - offas per applicable rules and norms with necessary approvals of the U.P Pollution Control Board.	No Hazardous waste generated at site. Spent diesel oil from Generator sets are the only hazardous waste expected in the project. It is being temporarily stored and then transferred to authorized recyclers.  Necessary agreements with approved vendors and clearance applications shall be finalized before the Operation Phase. Waste oil is being presently stored temporarily and is being handed over to authorized recyclers.  Hazardous waste generated will be disposed-offas per Hazardous Waste Management Rule 2016.
30.	The Diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection)Rules prescribed for air and noise emission Standards.	Power supply during construction phase is ensured through temporary power connection. DG sets are present on-site for backup power is having specifications conforming to E.P. rules paste for air and noise pollution.
31.	Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to stipulated standards by CPCB/UPPCB.	Pollution loads on the ambient air and noise is being monitored time to time.  Monitoring reports regarding this at GC serialno.1.  All the measures are being adopted to reduce theair and noise pollution.
32.	The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green Belt Development shall be carried out considering CPCB guidelines including section of plant species and in consultation with the local DFO / Agriculture Dept.	Green belt has been developed along with the project boundary. Landscaping has been done in the open space inside the project. Broad Leave Species has been planted as per CPCB guidelines. Green Belt Photographs and List of Plants annexed as Annexure-IX
33.	The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air ventilation.	Proper ventilation has been allowed to movement of fresh air and light between the building structure.
34.	Pavement shall be so constructed as to allow infiltration of surface run – off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the trees.	Permeable pavement has been installed to allow water to infiltrate, thus reducing runoff and acting as a filter.  Construction of pavements will be done scientifically in order to provide suitable watering,

		aeration and nutrition to the tree.
35.	Doody Miy Congrete and Sprinkley to be read	During construction phase Batching Plant has been utilizing
33.	•	at site and sprinkler will be used during curing and
	<b>1 3 3</b>	quenching.
	phase.	
<b>36.</b>	Convenient shops, bank canteen, post offices	Convenient shops and other facilities are being
	and medicine shops etc. to be provided with	provided with in complex.
	in complex.	
37.	RWH to be done only from roof top.	Rain water harvesting pits shall be constructed for
	Arrangement shall be made that waste water	recharge of ground water and proper arrangements
	and storm water do not get mixed.	will be develop for separation of storm water and
	Ç	waste water discharge.
38.	NOC from Ground Water Board is to be	NOC from Ground Water Board has been obtained.
	submitted for drilling of tube well for use of	Copies of NOC are attached in GC serial no. 11.
	water supply.	
39.	Authorization certificate is to be obtained from	No significant amount of biomedical waste will be
	Pollution Board and you cannot hold	
	biomedical waste more than 24hours.	generated as there is no nospital in the township.
40		Noted and proper core will be taken one off
40.	All the internal drains are to be covered till	Noted and proper care will be taken care off.
4.4	the disposal point.	N - 1 - 1 C - 12 - 211
41	This Environment Clearance is issued subject	<u>-</u>
	to land use verification. Local authority	
	/planning authority should ensure this with	
	respect to Rules, Regulations, Notifications,	
	Government Resolutions, Circulars, etc. issued	
	if any.	

### **List of Annexure**

Sl. No.	Annexure		
Annexure I	Construction Status and Site Photograph		
Annexure II	Monitoring Report		
Annexure III	CTE and CTO		
Annexure IV	EC		
Annexure V	Master Plan		
Annexure VI	Ground Water NOC		
Annexure VII	Payment Receipt of MSW		
Annexure VIII	Dust Dispersion Measures Photograph		
Annexure IX	Green Belt Photographs and List of Plants		
Annexure X	AAI NOC		
Annexure XI	STP Plan and photographs		
Annexure XII	Approved Layout Plan		
Annexure XIII	Fire NOC		
Annexure XIV	Photographs of the solar panel		
Annexure XV	Construction Waste Management Plan		
Annexure XVI	<b>Labour Camp Photograph</b>		
Annexure XVII	Structure Stability Certificate		
Annexure XVIII	Miscellaneous Photograph		



### **Shalimar Garden Bay Occupancy / Construction Status**

S. N.	Name of Project	Type of Development	Total Unit	Construction Status	Occupancy (%)
1	Arman &	EWS, LIG Flats	116	100%	8%
2	Group	Garden Bay	302	100%	85%
3	Aster	Villa	60	100%	80%
		Plot	89	100%	80%
		Villa Extension	7	95%	-
4	Iris	Villa	17	100%	80%
		Plot	55	100%	75%
5	Daffod	Villa	301	100%	95%
	ils	Villa Phase-I Ext.	30	100%	95%
	(Villas)	Villa Phase-II	8	100%	<b>75%</b>
6	Orchid	Plots	118	100%	90%
		Plots Ext.	10	100%	50%
7	High Street	Shops	18	100%	90%
8	Group Housaing 2	Crown Tower (Flats)	220	38%	-

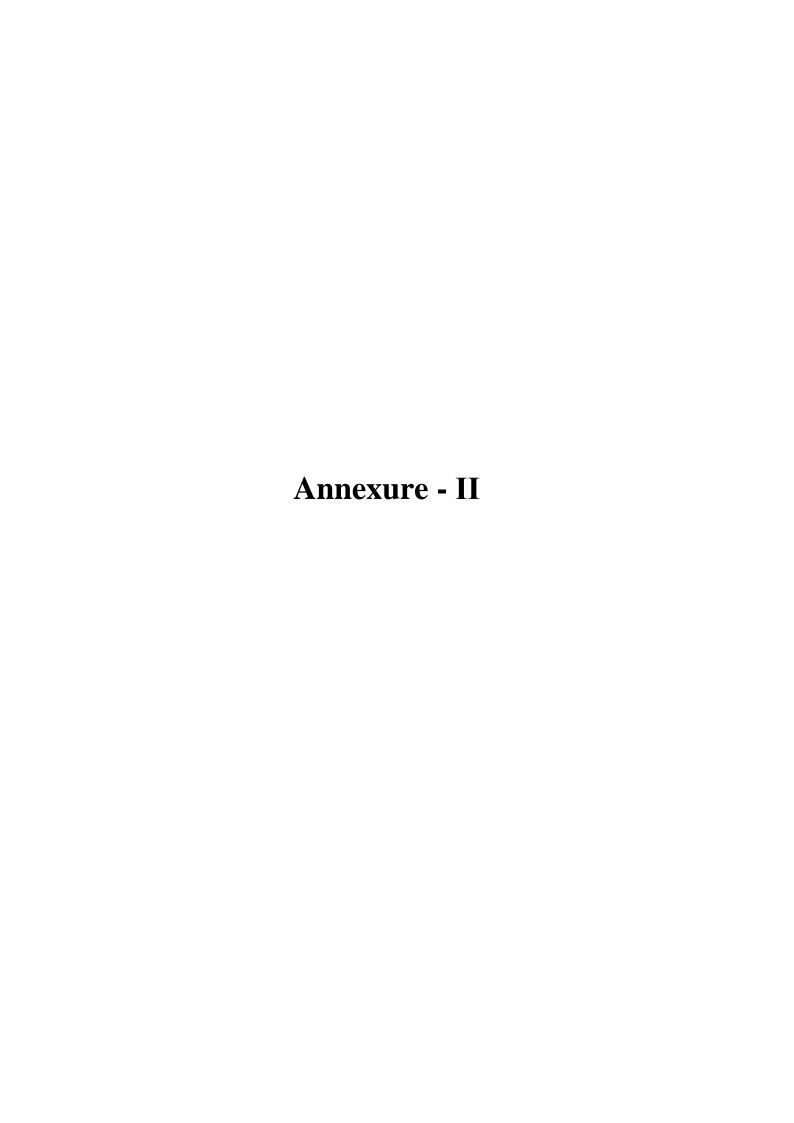
### **Site Photographs**











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TEST REPORT

Page 1 of 1 AAL ENV-20250523033

Issued To:

M/s ENV DAS (I) Pvt. Ltd.

C-363, Indira Nagar,

Lucknow - 226 016, Uttar Pradesh

Sample Description:

Ambient Air Quality Monitoring

Date of Monitoring:

21/05/2025 to 22/05/2025

Sampling Site:

at Village Ghaila and Alinagar, Lucknow (UP)

23/05/2025 Date of Receiving: 23/05/2025 Date of Analysis Start: Date of Analysis Complete: 28/05/2025 28/05/2025 Date of Reporting: Sampling Done By: AAL

#### TEST RESULT

Sampling Details:

Type of Monitoring

Sampling Method Location of Sampling Point

Sampling Started on

Sampling Completed on Actual Time of Sampling (Hrs)

Average flow Rate for particulate matter (m³/min.)

Total Volume of air sampled for particulate matter (m3)

Ambient Air Quality Monitoring

Report No.

As per IS-5182 (P-14)-2000

Near Main Gate

02:20 PM (21/05/2025)

02:20 PM (22/05/2025)

24:00 Hrs.

1.16

1670.4

Total Vo	lume of air sampled for particulate mat	ter (m <sup>3</sup> )	. 10	70.4	
S. No.	Test Parameters	Unit	Results	Limits as per NAAQS (Max.)	Test Methods
- 1	Particulate Matter, PM 2.5	$\mu g/m^3$	57.4	60	IS-5182(P-24)-2019
2	Particulate Matter, PM 10	$\mu g/m^3$	119.2	100	IS-5182(P-23)-2006
3	Sulphur Dioxide (as SO <sub>2</sub> )	$\mu g/m^3$	18.3	80	IS 5182(P-2/Sec-1)-2023
4	Nitrogen Dioxide (as NO <sub>2</sub> )	μg/m³	30.7	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m³	1.2	02 (8hr) 04 (1hr)	IS-5182(P-10)-1999
	NAAQS=National Ambient Air Quality Standard		NOC O	U4 (1m)	

End of Report



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M/s ENV DAS (I) Pvt. Ltd.

C-363, Indira Nagar,

Lucknow - 226 016, Uttar Pradesh

Sample Description:

Ambient Air Quality Monitoring

Date of Monitoring:

21/05/2025 to 22/05/2025

Sampling Site:

Garden Bay

at Village Ghaila and Alinagar, Lucknow (UP)

Report No. AAL ENV-20250523034

Date of Receiving:

23/05/2025

Date of Analysis Start:

23/05/2025

Date of Analysis Complete:

28/05/2025

Date of Reporting:

28/05/2025

Sampling Done By:

AAL

#### TEST RESULT

#### Sampling Details:

Type of Monitoring

Sampling Method

Location of Sampling Point

Sampling Started on

Sampling Completed on

Actual Time of Sampling (Hrs)

Average flow Rate for particulate matter (m3/min.)

Total Volume of air sampled for particulate matter (m3)

Ambient Air Quality Monitoring

As per IS-5182 (P-14)-2000

Near Parking Area

02:45 PM (21/05/2025)

02:45 PM (22/05/2025)

24:00 Hrs.

1.18

	para son para sonate ma	tter (III )	. 109	19.2	
S. No.	Test Parameters	Unit	Results	Limits as per NAAQS (Max.)	Test Methods
1.	Particulate Matter, PM 2.5	$\mu g/m^3$	54.8	60	IS-5182(P-24)-2019
2	Particulate Matter, PM 10	$\mu g/m^3$	112.3	100	IS-5182(P-23)-2006
3	Sulphur Dioxide (as SO <sub>2</sub> )	$\mu g/m^3$	16.9	80	IS 5182(P-2/Sec-1)-2023
4	Nitrogen Dioxide (as NO2)	μg/m³	26.2	80	IS-5182(P-6)-2006
5	Carbon Monoxide (as CO)	mg/m³	0.8	02 (8hr)	IS-5182(P-10)-1999
	NAAQS=National Ambient Air Quality Standard	VH-	Constitution of the least of th	04 (1hr)	

End of Repor

UTOSH SRIVASTAVA Deputy Technical Manager

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AAL ENV-20250523035

Issued To:

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C-363, Indira Nagar,

Lucknow - 226 016, Uttar Pradesh

Sample Description:

Ambient Noise Monitoring

Date of Monitoring:

21/05/2025 to 22/05/2025

Sampling Location:

Sampling Site: Garden Bay

Near Main Gate

at Village Ghaila and Alinagar, Lucknow (UP)

Date of Receiving:

23/05/2025

Date of Analysis Start:

Report No.

Date of Analysis Complete:

23/05/2025 28/05/2025

Date of Reporting:

Sampling Done By:

28/05/2025

AAL

#### TEST RESULTS

S. No.	Test Parameter	Unit	Results		Requirement (as per CPCB Guidelines)			
1	Noise Level			Area	Category of Area /	Day Time	Night Time	
	Lmin	dB(A)	43.8	Code	Zone	(6AM-10PM)	(10PM-6AM)	
	L10	dB(A)	61.2					
	L50	dB(A)	52.5	5				
	L90	dB(A)	46.0	1				
	Leq	dB(A)	61.0					
	Lmax	dB(A)	73.6					
	Leq-Day	dB(A)	62.6	(A)	Industrial Area	75	70	
				(B)	Commercial Area	65	55	
	Leq-Night	dB(A)	49.7	(C)	Residential Area	55	45	
			MEP	(D)	Silence Zone	50	40	

\*End of Report\*\*



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C-363, Indira Nagar,

Lucknow - 226 016, Uttar Pradesh

Sample Description:

Ambient Noise Monitoring

Date of Monitoring: Sampling Location: 21/05/2025 to 22/05/2025 Near Parking Area

Sampling Site:

Garden Bay

at Village Ghaila and Alinagar, Lucknow (UP)

Report No. AAL ENV-20250523036

Date of Receiving:

23/05/2025

Date of Analysis Start:

23/05/2025

Date of Analysis Complete:

28/05/2025

Date of Reporting:

28/05/2025

Sampling Done By:

AAL

#### TEST RESULTS

S. No.	Test Parameter	Unit	Results			equirement CPCB Guidelines)	
1	Noise Level			Area	Category of Area /	Day Time	Night Time
	Lmin	dB(A)	41.9	Code	Zone	(6AM-10PM)	(10PM-6AM)
	L10	dB(A)	60.1				
	L50	dB(A)	51.7				
	L90	dB(A)	44.5	1			
	Leq	dB(A)	60.0				
	Lmax	dB(A)	72.4				
	Leq-Day	dB(A)	61.6	(A)	Industrial Area	75	70
				(B)	Commercial Area	65	55
	Leq-Night	dB(A)	49.1	(C)	Residential Area	55	45
			d3Nr	(D)	Silence Zone	50	40

\*\*End of Report\*\*



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#### TEST REPORT

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C-363, Indira Nagar,

Lucknow - 226 016, Uttar Pradesh

Sample Description:

Stack Emission

Date of Monitoring:

Sampling Site: Garden Bay

21/05/2025

at Village Ghaila and Alinagar, Lucknow (UP)

Report No. AAL ENV-20250523037

Date of Receiving:

23/05/2025

Date of Analysis Start:

23/05/2025

Date of Analysis Complete:

Date of Reporting:

28/05/2025

Sampling Done By:

28/05/2025

AAL

#### TEST RESULT

P	ant/	Sec	tion
---	------	-----	------

Stack Identification

Source of Emission

Capacity

Type of Stack

Diameter of Stack

Height of Stack from Ground Level

Height from Roof Level

Height at Which Sampling Port

Product Manufacturing

Type of Fuel Used

Normal Operating Schedule

**Duration of Monitoring** 

Emission Control (if any)

#### **Observations**

Ambient Temperature (°C)

Stack Temperature (°C)

Velocity (m/s)

Quantity of emission (Nm3/hr.)

NS=Not Specified

D	C	Saction	

Stack Attached to D G

D G Set

1250 KVA

Metal

0.1016m

4.26m

**HSD** 

As per requirement

45 min.

Nil

38

319

14.51

207.50

8 00 8			207.30		
S. No.	Test Parameters	Unit	Results	Limits as per	Test Methods
1	Particulate Matter (as PM) At 15% O <sub>2</sub>	mg/Nm <sup>3</sup>	50.3	CPCB Guidelines 75	IS 11255(P-1)-1985
2	Sulphur Dioxide (as SO <sub>2</sub> )	mg/Nm <sup>3</sup>	24.8	NS	IS 11255(P-2)-1985
3	Oxide of Nitrogen (as NO <sub>x</sub> ) At 15% O <sub>2</sub>	ppmv	281.5	710	IS 11255(P-7)-2005
4	Carbon Monoxide (as CO) At 15%O2	mg/Nm³	58.4	150	IS 13270- 1992
5	Non-Methane Hydrocarbon (as C) At 15% O <sub>2</sub>	mg/Nm <sup>3</sup>	24.9	100	AAL/SOP/ENV/032
	CPCB=Central Pollution Control Board				

End of Report\*

Deputy Technical Manager Authorised Signatory

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#### **TEST REPORT**

Page 1 of 1

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C-363, Indira Nagar,

Lucknow - 226 016, Uttar Pradesh

Sample Description:

Soil Sample

Date of Sampling:

21/05/2025

Sample Location:

Construction Site Garden Bay

Sampling Site:

at Village Ghaila and Alinagar, Lucknow (UP)

Report No.

AAL ENV-20250523038

Date of Receiving:

23/05/2025

Date of Analysis Start:

23/05/2025

Date of Analysis Complete:

28/05/2025

Date of Reporting:

Sample Qty.

28/05/2025

1 Kgs.

Polythene Bag

Sample Packing Condition: Sample Collected By:

AAL

#### TEST RESULT

		129		
S. No.	Test Parameters	Unit	Results	Test Methods
1	pH (1:2 Suspension)	NALYTI	7.29	IS 2720(P-26)-1987
2	Electrical Conductivity	μS/cm	754	IS 2720(P-21)-1977
3	Magnesium (as Mg)	mg/kg	196.0	USEPA 6010 C-2000
4	Total Kjeldahl Nitrogen (TKN)	mg/kg	102.4	IS 14684-1999
5	Sodium (as Na)	mg/kg	193.8	USEPA 6010 C-2000
6	Potassium (as K)	mg/kg	84.6	USEPA 6010 C-2000
7	Phosphorus (as P)	mg/kg	45.2	USEPA 6010 C-2000
8	Organic Matter	%	1.22	IS 2720(P-22)-1972
9	Cation exchange capacity (CEC)	Meq/100gm	19.5	IS 2720(P-24)-1976

\*\*End of Report\*\*

UTOSH SRIVASTAVA Deputy Technical Manager **Authorised Signatory** 

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TC-5826

Page 1 of 1

TEST REPORT

Report No. AAL WQT-20250523007

Date of Receiving: 23/05/2025

Date of Analysis Start: 23/05/2025

Date of Analysis Complete: 28/05/2025 Date of Reporting: 28/05/2025

2 Litre Sample Packing Condition: Sterilized Bottle

Sample Collected By: AAL

Sample Qty.

M/s ENV DAS (I) Pvt. Ltd. C-363, Indira Nagar,

Lucknow - 226 016, Uttar Pradesh

Sample Description: **Ground Water** Date of Sampling: 21/05/2025

Sample Location: Near Main Gate (Bore well)

Sampling Site: Garden Bay

at Village Ghaila and Alinagar, Lucknow (UP)

TEST RESULT

			THUI KENVI			
S. No.	Test Parameters	Unit	Results		nents As per 500-2012	Test Methods
1	Colour	P	NALY	Acceptable Limit	Permissible Limit	
	Colour	Hazen	<5.0	5 Max.	15 Max.	IS 3025(P-4)-2021
2	Odour	12/1	Agreeable	Agreeable	Agreeable	IS 3025(P-5)-2018
3	Taste	6/-	Agreeable	Agreeable	Agreeable	IS 3025(P-8)-2023
4	Turbidity	NTU	<1.0	1 Max.	5 Max.	IS 3025(P-10)-2023
5	pH Value	-	7.40	6.5-8.5	No relaxation	IS 3025(P-11)-2022
6	Total Dissolved Solids	mg/l	690.0	500 Max.	2000 Max.	IS 3025(P-16)-2023
7	Conductivity at 25°C	µmhos/cm	985	-	150/	IS 3025(P-14)-2013
8	Calcium (as Ca)	mg/l	78.0	75 Max.	200 Max.	IS 3025(P-2)-2019
9	Chloride (as Cl)	mg/l	114.0	250 Max.	1000 Max.	IS 3025(P-32)-1988
10	Fluoride (as F)	mg/l	0.25	1 Max.	1.5 Max.	APHA 24 <sup>th</sup> Ed. 4500-F D
11	Iron (as Fe)	mg/l	0.21	1.0 Max.	No relaxation	IS 3025(P-2)-2019
12	Magnesium (as Mg)	mg/l	62.0	30 Max.	100 Max.	IS 3025(P-2)-2019
13	Nitrate (as NO <sub>3</sub> )	mg/l	12.0	45 Max.	No relaxation	IS 3025(P-34/Sec-1)-2023
14	Sulphate (as SO <sub>4</sub> )	mg/l	129.0	200 Max.	400 Max.	IS 3025(P-24/Sec-1)-2022
15	Total Alkalinity (as CaCO <sub>3</sub> )	mg/l	356.0	200 Max.	600 Max.	IS 3025(P-23)-2023
16	Total Hardness (as CaCO <sub>3</sub> )	mg/l	372.0	200 Max.	600 Max.	IS 3025(P-21)-2009
17	Total Arsenic (as As)	mg/l	ND <sub>(DL=0.01)</sub>	0.01 Max.	No relaxation	IS 3025(P-37)-2022
18	E.Coli	per 100ml	Absent	Shall not detectable	in any 100 ml sample	IS 15185-2016
19	Total Coliform	per 100ml	Absent	Shall not detectable	in any 100 ml sample	A S 15185-2016

\*\*End of Report\*\*

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Deputy Technical Manager Authorised Signatory



Issued To:

Sample Description:

Date of Sampling:

Sample Location:

Sampling Site:

M/s ENV DAS (I) Pvt. Ltd. C-363, Indira Nagar,

STP Outlet Water

21/05/2025

STP Plant

Garden Bay

Lucknow - 226 016, Uttar Pradesh

at Village Ghaila and Alinagar, Lucknow (UP)

ARIHANT ANALYTICAL LABORATORY PVT. LTD.

(NABL Accredited Laboratory)

272, Phase-IV, Sec-57, HSIIDC, Kundli, Sonepat-131028 (Haryana) Ph. : 7082301442, 9250014551 Email : aalkundli@gmail.com Website: www.aalkundli.com



TEST REPORT

Page 1 of 1 Report No. AAL WQT-20250523008

Date of Receiving: 23/05/2025

Date of Analysis Start:

23/05/2025

Date of Analysis Complete:

28/05/2025

Date of Reporting:

28/05/2025

Sample Qty.

1 Litre

Sample Packing Condition:

Plastic Bottle

Sample Collected By:

AAL

TEST RESULT

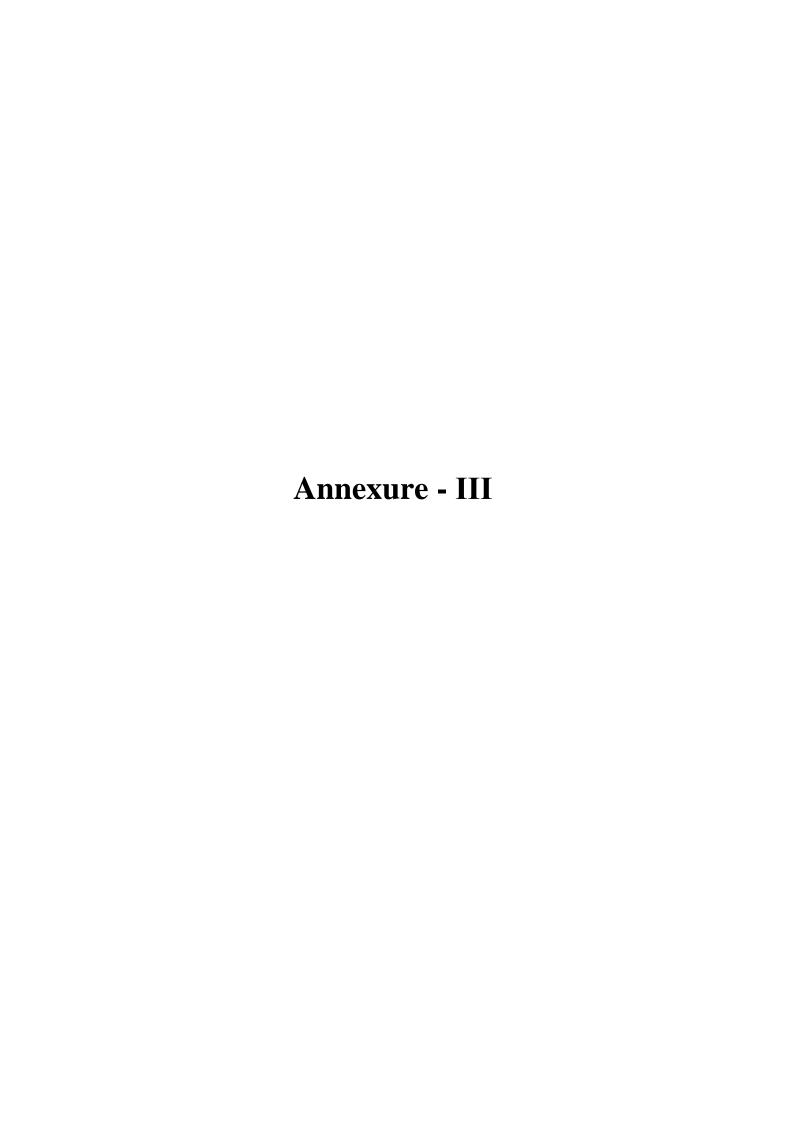
		THE THE PERSON OF THE PERSON O			
S. No.	Test Parameters	Unit	Results	Limits as per Environment (Protection) Rules, 1986 Schedule-VI General Standards for Discharge Inland Surface Water	Test Methods
1	pH Value	All	7.32	5.5 - 9.0	IS 3025(P-11)-2022
2	Total Suspended Solids	mg/l	18.0	100 Max.	IS 3025(P-17)-2022
3	Oil & Grease	mg/l	<2.0	10 Max.	IS 3025(P-39)-2021
4	Biochemical Oxygen Demand (BOD - 3 days at 27°C)	mg/l	17.8	30 Max.	IS 3025(P-44)-2023
5	Chemical Oxygen Demand (COD)	mg/l	95.0	250 Max.	IS 3025(P-58)-2023

\*\*End of Report\*\*

OSH SRIVASTAVA Deputy Technical Manager Authorised Signatory

The Result Indicated above refer to the tested sample and listed test parameters only, endorsement of products is neither inferred not implied. Total liability of our laboratory is limited to the invoice amount.

 This report shall not be reproduced wholly or in part without written consent of the laboratory.
 This report shall not be used in any advertising media or as evidence in the court of law without prior written consent of the laboratory.
 The non-perishable sample received shall be destroyed after one month and perishable sample shall be destroyed after one week from the date of issue of report unless specified.





#### UTTAR PRADESH POLLUTION CONTROL BOARD

#### Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.com, Website: www.uppcb.com

Validity Period :21/06/2021 To 31/12/2025

Ref No. - Dated:- 18/06/2021 113642/UPPCB/Lucknow(UPPCBRO)/CTE/LUCKNOW/2020

To,

Shri MOHD KAREEM FAROOQUI

M/s SHALIMAR KSMB PROJECTS GARDEN BAY

 $Expansion\ Of\ Shalimar\ KSMB\ Projects\ Garden\ Bay\ Alinagar\ and\ Ghaila\ ,\ Hardoi\ -Sitapur\ Link\ Road,\ Lucknow,\ U.P., LUCKNOW, 226020, LUCKNOW, 226020$ 

**LUCKNOW** 

Sub: Consent to Establish for New Unit/Expansion/Diversification under the provisions of Water (Prevention and control of pollution) Act, 1974 as amended and Air (Prevention and control of Polution) Act, 1981 as amended.

Please refer to your Application Form No.- 10468335 dated - 14/12/2020. After examining the application with respect to pollution angle, Consent to Establish (CTE) is granted subject to the compliance of following conditions:

- 1. Consent to Establish is being issued for following specific details:
  - A- Site along with geo-coordinates:
  - B- Main Raw Material:

	Main Raw Material Details	
Name of Raw Material	Raw Material Unit Name	Raw Material Quantity
Cement, Steel, Brick, Sand etc.	Metric Tonnes/Day	

C- Product with capacity:

Produc	ct Detail
Name of Product	Product Quantity
Flats, Plots and Villas for Housing	

D- By-Product if any with capacity:

	By Produ	ıct Detail	
Name of By Product	Unit Name	Licence Product Capacity	Install Product Capacity
Flats	Metric Tonnes/Day		

2. Water Requirement (in KLD) and its Source :

	Source of Water Details	
Source Type	Name of Source	Quantity (KL/D)

3. Quantity of effluent (ln KLD):

Effluent	t Details
<b>Source Consumption</b>	Quantity (KL/D)

4. Fuel used in the equipment/machinery Name and Quantity (per day):

	<b>Fuel Consumption Details</b>	
Fuel	Consumption(tpd/kld)	Use

For any change in above mentioned parameters, it will be mandatory to obtain Consent to Establish again. No further expansion or modification in the plant shall be carried out without prior approval of U.P. Pollution Control Board.

For any change in above mentioned parameters, it will be mandatory to obtain Consent to Establish again. No further expansion or modification in the plant shall be carried out without prior approval of U.P. Pollution Control Board.

- 2. You are directed to furnish the progress of Establishment of plant and machinery, green belt, Effluent Treatment Plant and Air pollution control devices, by 10th day of completion of subsequent quarter in the Board.
- 3. Copy of the work order/purchase order, regarding instruction and supply of proposed Effluent Treatment Plant/Sewerage Treatment Plant /Air Pollution control System shall be submitted by the industry till 31/12/2025 to the Board.
- 4. Industry will not start its operation, unless CTO is obtained under water (Prevention and control of Pollution) Act, 1974 and Air (Prevention and control of Pollution)Act, 1981 from the Board.
- 5. It is mandatory to submit Air and Water consent Application, complete in all respect, four months before start of operation, to the U.P. Pollution Control Board.
- 6. Legal action under water (Prevention and control of Pollution) Act, 1974 and Air (Prevention and Control of Pollution) Act, 1981 may be initiated against the industry With out any prior information, in case of non compliance of above conditions.

#### **Specific Conditions:**

- 1. This CTE is being granted for the development of the Residential Township Project for total plot area-3,13,948.0 sqm at Khasra no. 2-7,12-14,23-25,27-31,32-87-89,89/1594,90ka,91ka,91kha,91ga,91gha92-97,108,110,114,115 115/1553,116,117,119ka,120,121ka,121kha,122,123,124ka,124kha,178,181-184,189,191-195/1546,197, 200-204,206,207,209,212-217,219,230 231,234-236,239,240sa, Village Alinagar 5,23,25-27,29,35-37,39,41,45,46,48, Village-Alinagar, Lucknow.
- 2. The project proponent shall ensure to provide the proper exhaust from roof level along with acoustic enclosures on DG set (4X1250 KVA) as per prescribed standards.
- 3. The project shall install the STP of capacity 1400 KLD (850 KLD & 550 KLD) as proposed. The STP shall be installed in such a manner so that it can achieve the standard specified in the notification issued by Ministry of Environment , Forest & Climate Change vide GSR 1265 (E) dated 13-10-2017 in the time period as specified in the notification & treated water shall be used in flushing/horticulture/cooling etc.
- 4. Project shall develop proper green belt as per the guidelines issued vide Board office order no. H10405/220/2018/02 Dt. 16-02-2018 shall be complied.
- 5. The Order issued by Hon'ble Courts/Hon'ble NGT, MoEF & CC, Central Pollution Control Board, U.P. Pollution Control Board shall be complied with.
- 6. Project shall not start gaseous emission & sewage generation without obtaining CTO (Air and Water) from the Board.
- 7. The PP shall ensure to obtain NOC as per applicable rules for withdrawal of ground water from U.P. State Ground Water Department, within 03 months and submit it to the Board.
- 8. The dust emission from the construction sites shall be completely controlled and all precautions will be taken in that behalf.
- 9. The PP shall ensure to install PTZ camera and provide its access, URL and ID to the board.
- 10. All approach roads & in campus roads should be sprinkled with water to suppress the dust emission.
- 11. The project shall ensure to put tarpaulin scaffolding around the area of construction and the building for effective and efficient control of dust emission generated during construction of the project.
- 12. Storage of any construction material particularly sand shall not be done on any space outside the project area.
- 13. The project shall comply with the provisions of Construction and Demolition Waste Management Rules, 2016.
- 14. The construction material of any kind stored on site shall be fully covered in all respect so that it does not disperse in the air in any form. The dust emission from the construction sites shall be completely controlled and all precautions will be taken in that behalf.
- 15. All the construction material & debris shall be carried in trucks or vehicles which are fully covered and protected so as to ensure that the construction debris or construction material does not get dispersed into the air or atmosphere in any form whatsoever.
- 16. The project shall ensure to provide the proper Wind breaking wall constructed around the construction site.
- 17. Project Proponent shall install separate Effluent Treated Plant of adequate capacity for the treatment of the effluent generated from the proposed hospital.
- 18. The proposed health care facility in the project shall comply with the provisions of Bio Medical Waste Management Rules, 2016.

- 19. In case of installation of hotmix/ready mix plant, the prior permission shall be obtained from the Board.
- 20. The PP shall ensure to install Organic Waste Converter for bio degradable waste in its premises before completion of project.
- 21. Fixing of sprinklers and creation of green air barriers shall be done to control fugitive dust emission and improve environment. Compulsory use of wet jet in grinding and stone cutting shall be practiced.
- 22. The project shall comply with the provisions of Environment (Protection) Act 1986, Water (Prevention and Control of Pollution) Act, 1974 as amended, Air (Prevention and Control of Pollution) Act, 1981 as amended, Plastic Waste Management Rules 2016, E- Waste (Management) Rules 2016, Solid Waste Management Rules 2016 & Hazardous and other Waste (Management and Transboundary Movement) Rules 2016 (Whichever is applicable).
- 23. Project shall submit a bank guarantee of Rs. 10.0 lakhs within 01 month for compliance of the above conditions no 1 to 22.

Please note that consent to Establish will be revoked, in case of, non compliance of any of the above mentioned conditions. Board reserves its right for amendment or cancellation of any of the conditions specified above. Industry is directed to submit its first compliance report regarding above mentioned specific and general conditions till 18/07/2021 in this office. Ensure to submit the regular compliance report otherwise this Consent to Establish will be revoked.

Chief Environmental Officer, Circle-5, UPPCB.

Dated: 18/06/2021

Copy To -

Regional Officer, UPPCB, Lucknow.

Chief Environmental Officer, Circle-5, UPPCB.



#### **Uttar Pradesh Pollution Control Board**

Building. No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:0522-2720828,2720831, Fax:0522-2720764, Email: info@uppcb.in, Website: www.uppcb.com

179452/UPPCB/Lucknow(UPPCBRO)/CTO/both/LUCKNOW/2023 Date: 26/07/2023

To,

M/s

M/s SHALIMAR KSMB Projects - Garden Bay IIM Road, Village Ghaila, Lucknow,LUCKNOW,206020

Application Id-20152787

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981

CCA is hereby granted to M/s SHALIMAR KSMB Projects - Garden Bay located at IIM Road, Village Ghaila, Lucknow, LUCKNOW, 206020. subject to the provisions of the Water Act, Air Act and the orders that may be made further and subject to following terms and conditions:-

1. This CCA M/s SHALIMAR KSMB Projects - Garden Bay granted for the period from 26/07/2023 to 31/12/2027 and valid for manufacturing of following products.

S No	Product	Quantity	Unit
1	Group Housing Project	NA	Metric Tonnes/Day

- 2. Conditions under Water(Prevention and Control of Pollution) Act -1974 as amended :-
- (i) The daily quantity of effluent discharge (KLD):-

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Domestic	850 KLD	STP	Maximum horticulture and
			irrigation

(ii) Trade Effluent Treatment and Disposal:-The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time:

#### **Industrial Effluent Quality Standard**

S.No. Parameter Standard
--------------------------

(iv) Sewage Treatment and Disposal: The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be

dispatched immediately.

(v) The treated sewage shall be reused in gardening as far as possible. The STP shall be maintained continuously so as to achieve the quality of the treated sewage to the following standards.

S No.	Parameters	Standards
1	pН	5.5-9.0
2	BOD (mg/L)	20 mg/l
3	TSS (mg/L)	50 mg/l
4	Fecal Coliform (MPN/100ml)	1000 MPN/100ml

### 3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-

i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards.

#### **Air Pollution Source Details**

Source
--------

## **Emmission Quality Standards**

S No.	Stack no	Parameters	Standards
-------	----------	------------	-----------

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

- (ii) The unit will not use any type of restricted fuel.
- iii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows:-

Day time: from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

Standards for Noise level in db(A) Leq		strial ea		nercial rea		ential ea		ence one
	Day Time	Night Time	_		_	Night Time	_	Night Time
	75	70	65	55	55	45	50	40

## 4. Essential documents to be submitted by the Industry/Unit as Applicable :-

- (i) Environment Statement in Form-V of Environment (Protection) Rules, 1986.
- (ii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.
- 5. Competent Authority reserves the right to change/modify/add any time any condition of this CCA.
- 6. Unit has to comply with the following specific & general conditions. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will results in legal action under the aforesaid Acts and Rules.
- 7. In compliance to the G.O 1011/81-7-2021-09 (Writ)/2016 dated.13.10.2021 issued by Department of Environment, Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-http://www.upecp.in/TrainingSession.aspx for ensuring timely compliance of

this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of non-compliance of this direction, your consent will be revoked by the Board.

8. If the unit uses the ground water and requires the permission from SGWA/CGWA for water abstraction then the industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO will be revoked.

### **General Conditions:-**

- 1. The applicant shall get analysed the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UPPCB.
- 2. The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.
- 3. Treated Industial waste water and domestic waste water shall be disposed jointly at one disposal point. The applicant shall provide discharge measurement equipment at final disposal point.
- 4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.
- 5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof
- 6. The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.
- 7. The industry shall provide Inspection Book at the time of inspection to the Board's officials.
- 8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
- 9. The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
- 10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
- 11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point
- 12. The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

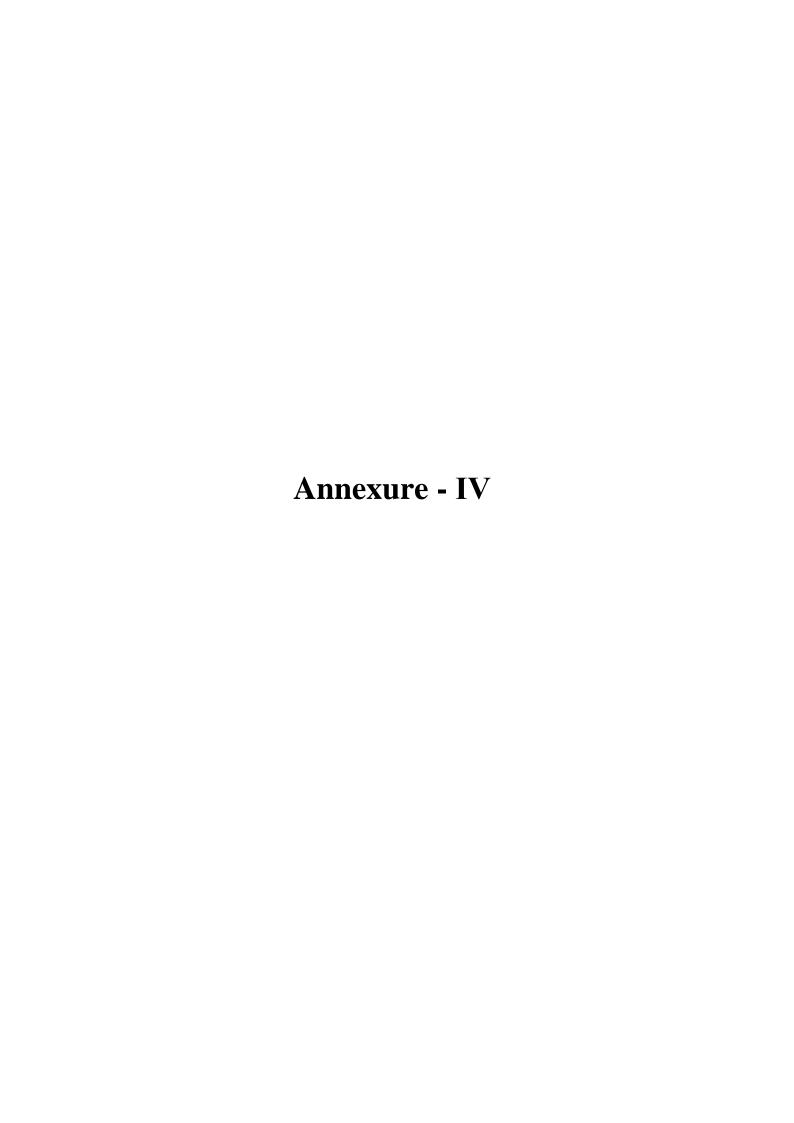
#### **Specific Conditions:-**

- 1. This consent is valid for Residential Township Project M/s Shalimar KSMB Projects Garden Bay for Raw houses/Villas, LIG/EWS Flats) in Tower 2, 3, 4, 5 Flore B+12 (total 302 Flats, 301 Villas and 118 Plot), Swimming Pool and Club at (Phase-1) village-Ghaila and Alinagar, IIM Road, District- Lucknow.
- 2. The PP shall ensure to obtain NOC in case of any changes, enhancement etc. in the proposed capacity/area of the project.

- 3. The unit shall ensure to operate and maintained Sewage Treated Plant (850 KLD) in such a manner so that it can achieve the standard specified in the notification issued by Ministry of Environment , Forest & Climate Change vide GSR 1265 (E) dated 13-10-2017 in the time period as specified in the notification & treated water shall be used in flushing/horticulture/cooling etc.
- 4. The PP shall comply with the conditions of Environmental Clearance issued by SEIAA.
- 5. The unit shall ensure to comply the all conditions mentioned in CTE dated 18.06.2023 issued by the Board.
- 6. The PP shall ensure to submit treated water analysis report conducted by any NABL accredited lab shall be submitted on quarterly basis.
- 7. The unit shall ensure to obtain permission from U.P. State Ground Water Department for withdrawal of ground water within 03 months and submit it to the Board.
- 8. The PP shall ensure that treated waste water recycle, reused for cooling of DG sets and gardening maximum.
- 9. The Order issued by Hon'ble Courts/Hon'ble NGT, MoEF & CC, Central Pollution Control Board, U.P. Pollution Control Board, shall be complied with.
- 10. Generated hazardous waste shall be stored temporarily in the unit premises and disposed off through authorized TSDF after obtaining the authorization from the Board.
- 11. The unit shall submit the latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets Current Liabilities) so that the Consent fee payable by the industry may be verified.
- 12. The unit shall comply with the provisions of, Environment (Protection) Act 1986, Water (Prevention and Control of Pollution) Act, 1974 as amended, Air (Prevention and Control of Pollution) Act, 1981 as amended, Plastic Waste Management Rules 2016, E- Waste (Management) Rules 2016, Solid Waste Management Rules 2016 & Hazardous and other Waste (Management and Transboundary Movement) Rules 2016 (Whichever is applicable).
- 13. Noise and emission level from the DG sets installed of 400 KVA, 320 KVA, 250 KVA and 125 KVA capacities shall be within the prescribed norms.
- 14. Ambient air quality of the area shall be monitored on quarterly basis and report be submitted to the Board.
- 15. The unit shall ensure to establish Miyawaki forest, as per the GO no. 1011/81-7-2021-09(writ)/2016 dated 13.10.2021 of Deptt. of Environment, forest and Climate Change.
- 16. The project proponent shall ensure to install in house solid waste processing facility.
- 17. If closure order is issued by CPCB or UPPCB against any defaulting unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective from the date of issuance of closure order revocation,

with additional conditions mentioned in the closure revocation order.	
	Chief Environmental Officer, Circle-5, UPPCB.
Copy to:	
Regional Officer, UPPCB, Lucknow.	
	Chief Environmental Officer

Circle-5, UPPCB.



## State Level Environment Impact Assessment Authority, Uttar Pradesh

## Directorate of Environment, U.P.

Vineet Khand-1, Gomti Nagar, Lucknow-226 010 Phone: 91-522-2300 541, Fax: 91-522-2300 543

E-mail: doeuplko@yahoo.com Website: www.seiaaup.com

To,

Mohd. Kareem Farooqui, Authorized Signatory, M/s Shalimar KSMB Projects, Ground Floor, Shalimar Square, BN Road, LalBAgh, Lucknow.

Ref. No....2.15...../Parya/SEIAA/3640/2023

Date: 0 | June, 2023

Amendment in EC Residential Township "Garden Bay" at Khasra nos. (Ghaila): 2, 3, 4, 5, 6, 7, 12, 13, 14, 23,24, 25, 27, 31, 32, 87, 88, 89, 89/1594, 90Ka, 91ka,kha, 91Ga, 91Gha, 92, 93, 94, 95,96, 97, 108, 110,114, 115, 115/1553, 116, 117, 119Ka, 120, 121Ka,21Kha, 122, 123, 124Ka, 124Kha, 178, 181, 182,183,184,189, 191, 192, 193, 194,195, 195/1546,197, 200, 201, 202, 203, 204, 206, 207, 209, 212,213, 214, 215, 216, 217, 219, 230, 231, 234, 235,236, 239,240sa ,Khasra nos.(Alinagar): 5,23,25,26,27,29,35,36,37,39, 41,45, 46,48,Village- Ghaila and Alinagar, District-Lucknow, M/s Shalimar KSMB Projects.

## Reference- MoEFCC Proposal no- SIA/UP/MIS/299550/2023 File no- 3640

Dear Sir,

This is with reference to your application / letter dated 24-4-2023 & 26-05-2023 on above mentioned subject. The matter was considered by 756st SEAC in meeting held on 29-05-2023 and 740<sup>th</sup> SEIAA in meeting held on 12-06-2023.

A presentation made by the project proponent along with the consultant, the following facts have emerged: -

- 1. The amendment in environmental clearance is sought for Residential Township "Garden Bay"at Khasra nos. (Ghaila): 2, 3, 4, 5, 6, 7, 12, 13, 14, 23,24, 25, 27, 31, 32, 87, 88, 89, 89/1594, 90Ka, 91ka,kha, 91Ga, 91Gha, 92, 93, 94, 95,96, 97, 108, 110,114, 115, 115/1553, 116, 117, 119Ka, 120, 121Ka,21Kha, 122, 123, 124Ka, 124Kha, 178, 181, 182,183,184,189, 191, 192, 193, 194,195, 195/1546,197, 200, 201, 202, 203, 204, 206, 207, 209, 212,213, 214, 215, 216, 217, 219, 230, 231, 234, 235,236 , 239,240sa ,Khasra nos.(Alinagar): 5,23,25,26,27,29,35,36,37,39, 41,45, 46,48,Village- Ghaila and Alinagar, District-Lucknow, M/s Shalimar KSMB Projects.
- Environmental clearance for the existing project was issued by SEIAA, U.P. vide letter no. 71/Parya/SEAC/3640/2016, dated 12/01/2018 for the plot area 3,13,948 sqm and built up area 2,21,281.8 sgm.

3. Revised built up area details:

S. No.	Particulars	Builtup Area
1.	Group Housing 01	49590 Sqm.
2.	Group Housing 02	45854 Sqm.
3.	EWS & LIG	11415 Sqm.
4.	Club, Convenience Shopping & Gym	2327 Sqm.
5.	Row Houses or Villas	68372 Sqm.
1887	Total	1,77,558 Sqm.

4. Comparative details of existing project and proposed amendment:

As per EC Issued Vide	Revised Detail	Difference
Letter No		
71/parya/SEAC		



Amendment in EC Residential Township "Garden Bay"at Khasra nos. (Ghaila): 2, 3, 4, 5, 6, 7, 12, 13, 14, 23,24, 25, 27, 31, 32, 87, 88, 89, 89/1594, 90Ka, 91ka,kha, 91Ga, 91Gha, 92, 93, 94, 95,96, 97, 108, 110,114, 115, 115/1553, 116, 117, 119Ka, 120, 121Ka,21Kha, 122, 123, 124Ka, 124Kha, 178, 181, 182, 183, 184, 189, 191, 192, 193, 194,195, 195/1546,197, 200, 201, 202, 203, 204, 206, 207, 209, 212, 213, 214, 215, 216, 217, 219, 230, 231, 234, 235,236, 239,240sa, Khasra nos. (Alinagar): 5,23,25,26,27,29,35,36,37,39, 41,45, 46,48, Village- Ghaila and Alinagar, District-Lucknow, M/s Shalimar KSMB Projects.

	/3640/2016 Dated:12/01/	2018			
Description	Area	%	Area	%	
Total Plot Area	77.58ac		77.58 ac		0
Gool Area	12810 sqm		12810 sqm		0
Chak Road Area	3707.52 sqm		3707.52 sqm		0
Kucchi Naali Area	5032.47 sqm		5032.47 sqm		0
Site Area	292396.00 sqm		292405.41 sqm		9.41
Land Left for Road Widening (51.9m)	2927.73 sqm		2927.73 sqm		0
Green Belt (50 m)	9452.41 sqm		9452.41 sqm		0
Green Belt (100 m)	14897.67 sqm		14897.67 sqm		0
Net Project Area	265118.19 sqm	100	265127.6 sqm	100	9.41
Green and Parks Area	39932.02 sqm	15.06	40550.61 sqm	15.29	618.59
Total Area for Row Houses/ Villas	92744.57 sqm	34.98	99477.3 sqm	37.52	6732.73
Group Housing 1	41503.12 sqm	15.65	39426.3 sqm	14.87	-2076.82
Group Housing 2	0	0	10336.12 sqm	3.90	10336.12
Total Area for Residential	134247.69 sqm	50.64	149239.8 sqm	56.29	14992.11
L.I.G/EWS Housing Plots	8501.36 sqm	3.21	9311 sqm	3.51	809.64
School	School- 4007.99 Nursery School- 521.05 Anaganwadi- 502.53	1.51 0.20	School+ anganwadi- 4341 Nursery School- 521.62	1.84	-168.95
Community Center	4690.65 sqm	1.77	4924.16 sqm	1.86	233.51
Commercial	10818.73 sqm	4.08	0	0.00	-10818.73
Convenience Shopping	2508.06 sqm	0.90	2076.85 sqm	0.71	-431.21
Sub-Post Office	109.68 sqm	0.04	110.4 sqm	0.04	0.72
Health Care Center	806.41 sqm	0.30	827.47 sqm	0.31	21.06
Police Station with Residential	1554.35 sqm	0.59	0	0.00	-1554.35
ATM & Extension Counter	84.68 sqm	0.03	0	0.00	-84.68
Garbage Disposal	90.0 sqm	0.03	90.0 sqm	0.03	0
11 KVA Electrical Substation	501.78 sqm	0.19	501.78 sqm	0.19	0
Chabutra	45.0 sqm	0.02	45.0 sqm	0.02	0
Roads & Circulation	56196.21 sqm	21.2	52587.91 sqm	19.83	-3608.3



Amendment in EC Residential Township "Garden Bay" at Khasra nos. (Ghaila): 2, 3, 4, 5, 6, 7, 12, 13, 14, 23,24, 25, 27, 31, 32, 87, 88, 89, 89/1594, 90Ka, 91ka,kha, 91Ga, 91Gha, 92, 93, 94, 95,96, 97, 108, 110,114, 115, 115/1553, 116, 117, 119Ka, 120, 121Ka,21Kha, 122, 123, 124Ka, 124Kha, 178, 181, 182,183,184,189, 191, 192, 193, 194,195, 195/1546,197, 200, 201, 202, 203, 204, 206, 207, 209, 212,213, 214, 215, 216, 217, 219, 230, 231, 234, 235,236, 239,240sa ,Khasra nos. (Alinagar): 5,23,25,26,27,29,35,36,37,39, 41,45, 46,48, Village- Ghaila and Alinagar, District-Lucknow, M/s Shalimar KSM8 Projects.

### 5. Water/waste water details:

Water/Waste Water Details	
Fresh Water for domestic uses	520 KLD
Flushing	187 KLD
Horticulture / Landscape	65 KLD
HVAC	100 KLD
Total Water Requirement	872 KLD
Source of water - Ground Water Supply	400000000000000000000000000000000000000
Waste water - 566 KLD	
STP Capacity - Existing- 850 KLD (Phytorid Techn Housing-2	nology) + Proposed- 210KLD (MBBR) for Group

#### 6. Solid waste details:

Particulars	Population	Norms (kg/day)	Total waste (kg/day)		
1. Residential			Vibinities - 2020		
Group Housing-1 (Heights)	1510	0.5	755		
Group Housing-2 (Crown)	1100	0.5	550		
Villas	3485	0.5	1743		
LIG/EWS	122	0.5	610		
Visitors (10%)	732	0.15	109.8		
2. Public & Semi-Public					
Schools & Aanganwdi	1100	0.25	275		
Community Center & Club	1000	0.25	250		
Other staff	250	0.5	125		
3. Horticulture waste		(@0.0037 kg/sq.m)	240		
4. Total Municipal Solid Waste		- Star - Start	5.0 TPA		
5. E-waste		(0.15kg/capita/year)	3.5 Kg/day		
6. Bio-medical waste (30 beds)		(@0.375kg/capita/day)	11.25 Kg/day		
7. STP Sludge		40 kg per MLD	25 kg		

## 7. Parking details:

Type of Facility	Permissible FAR	Norm	ECS Required	ECS Provided
Residential (Group Housing)	149239.8	1 ECS/ 80 m <sup>2</sup>	1866	
(LIG/ EWS)	9311	1 ECS/ 80 m <sup>2</sup>	116	
Public- Semi Public Facility	13438.28 x 3 = 44102	1 ECS/ 50 m <sup>2</sup>	806	
Total	2788	2788		

### 8. Landscape plan:

Landscape area +	40,500.29sqm.	
Required trees (1 tree/ 80 m2 of Open area)	506 Trees	
Proposed:	510 Trees	

The project proponent requested to amend the environmental clearance letter dated 12/01/2018 as per above details.

The committee/SEIAA discussed the matter and grant to amend the environmental clearance letter no. 71/Parya/SEAC/3640/2016, dated 12/01/2018 as recommended. All the other contents mentioned in EC letter dated 12/01/2018 shall remain the same.



Amendment in EC Residential Township "Garden Bay" at Khasra nos. (Ghaila): 2, 3, 4, 5, 6, 7, 12, 13, 14, 23,24, 25, 27, 31, 32, 87, 88, 89, 89/1594, 90Ka, 91ka,kha, 91Ga, 91Gha, 92, 93, 94, 95,96, 97, 108, 110,114, 115, 115/1553, 116, 117, 119Ka, 120, 121Ka,21Kha, 122, 123, 124Ka, 124Kha, 178, 181, 182,183,184,189, 191, 192, 193, 194,195, 195/1546,197, 200, 201, 202, 203, 204, 206, 207, 209, 212,213, 214, 215, 216, 217, 219, 230, 231, 234, 235,236, 239,240sa, Khasra nos.(Alinagar): 5,23,25,26,27,29,35,36,37,39, 41,45, 46,48,Village-Ghaila and Alinagar, District-Lucknow, M/s Shalimar KSMB Projects.

Any appeal against this EC 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.

(Ajay Kumar Sharma) Member Secretary, SEIAA

No...../Parya/SEIAA/3640/2023 dated: As above

Copy, through email, for information and necessary action to -

- The Principal Secretary, Department of Environment, Forest and Climate Change, Government of Uttar Pradesh, Lucknow (email – soenvups@rediffmail.com)
- Joint Secretary, Ministry of Environment, Forest and Climate Change, Government of India, 3rd Floor, Prithvi-Block, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003 (email – <u>sudheer.ch@gov.in</u>)
- Deputy Director General of Forests (C), Integrated Regional Office, Ministry of Environment, Forest and Climate Change, Kendriya Bhawan, 5th Floor, Sector "H", Aliganj, Lucknow – 226020 (email – rocz.lko-mef@nic.in)
- 4. District Magistrate, Lucknow, Uttar Pradesh.
- Member Secretary, Uttar Pradesh Pollution Control Board, TC-12V, Paryavaran Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow-226010 (email – ms@uppcb.com)
- 6. Copy to Web Master for uploading on PARIVESH Portal.

7. Copy for Guard File.

(Ajay Kumar Sharma) Member Secretary, SEIAA

## State Level Environment Impact Assessment Authority, Uttar Pradesh

## Directorate of Environment, U.P.

Vineet Khand-1, Gomti Nagar, Lucknow-226 010 Phone: 91-522-2300 541, Fax: 91-522-2300 543

E-mail: doeuplko@yahoo.com Website: www.seiaaup.in



To,

Mohd. Kareem Farooqui, Authorized Signatory, M/s Shalimar KSMB Projects, Ground Floor, Shalimar Square, BN Road, Lalbagh, Lucknow, U.P.

Ref. No....7..../Parya/SEAC/3640/2016

Date: 12 January, 2018

Sub: Environmental Clearance for Expansion of Residential Township Project "Garden Bay" at Khasra nos. 2-7, 12-14, 23-25, 27, 31, 32, 87-89, 89/1594, 90 Ka, 91 Ka, Kha, 91 Ga, 91 Gha, 92-97, 108, 110, 114, 115, 115/1553, 116, 117, 119 Ka, 120, 121 Ka, 121 Kha, 122, 123, 124 Ka, 124 Kha, 178, 181-184, 189, 191-195, 195/1546, 197, 200-204, 206, 207, 209, 212-217, 219, 230, 231, 234-236, 239, 240 Sa, Village-Ghaila and Khasra nos. 5, 23, 25-27, 29, 35-37, 39, 41, 45, 46, 48, Village-Alinagar, Luckcnow, U.P. M/s Shalimar KSMB Projects, Regarding.

Dear Sir,

Please refer to your application/letters 09-03-2016, 06-05-2016, 16-06-2016, 06-02-2017 & 18-10-2017 addressed to the Secretary, State Level Expert Appraisal Committee (SEAC) and Director, Directorate of Environment Govt. of UP on the subject as above. A presentation was made by the representative of the project proponent along with their consultant M/s ENV DAS India Pvt. Ltd. in the SEAC meeting dated 26/12/2017.

The Project proponent, through documents (submitted to SEAC) and presentation made during meeting, has informed to the SEAC that:-

- 1- The environmental clearance is sought for Expansion of Residential Township Project "Garden Bay" at Khasra nos. 2-7, 12-14, 23-25, 27, 31, 32, 87-89, 89/1594, 90 Ka, 91 Ka, Kha, 91 Ga, 91 Gha, 92-97, 108, 110, 114, 115, 115/1553, 116, 117, 119 Ka, 120, 121 Ka, 121 Kha, 122, 123, 124 Ka, 124 Kha, 178, 181-184, 189, 191-195, 195/1546, 197, 200-204, 206, 207, 209, 212-217, 219, 230, 231, 234-236, 239, 240 Sa, Village-Ghaila and Khasra nos. 5, 23, 25-27, 29, 35-37, 39, 41, 45, 46, 48, Village-Alinagar, Luckcnow, U.P. M/s Shalimar KSMB Projects.
- 2- Environment clearance for the project was issued vide letter no 1924/parya/SEAC/1747/2013/AD/(H)Dated-12/10/2013.
- 3- Project proponent submitted a copy of certified compliance report as per OM No. J-11013/6/2010-IA.II(part) dated 07/09/2017 issued by Regional Office of MoEFCC, (Central Region), Lucknow vide letter no. VII/Env/UP/SCI./801/2017 dated 02/11/2017.
- 4- The ToR was issued vide letter no.124/Parya/SEAC/3640/AD (SUB) dated 15 June 2016.
- 5- Comparative area Statement :-

	As per EC Issued Vide Letter No. 1924/parya/SEAC/1747/2013/AD/(H) Dated:12/10/2013	Now Proposed
Description	Area(m <sup>2</sup> )	Area(m²)
Total Project Area	313948	313948
Gool Area	12810	12810
Chak Road Area	3707.52	3707.52
KucchiNaali Area	5032.47	5032.47
Site Area	292396	292396
Land Left for Road Widening (51.9m)	4297.14 Member / §	2927.73

Green Belt (50 m)	10581.14	9452.41
Green Belt (100 m)	14807.43	14897.67
Net project area	262710.29	265118.19
Area of Group Housing	51537.7 m <sup>2</sup>	41503.12
Area for Row Houses/ Villas	99360.4 m <sup>2</sup>	92744.57
Permissible Ground Coverage	30%	30%
Permissible F.A.R (Group Housing)	1,47,140.725m <sup>2</sup> (@2.5)	@2.5 +0.5
Permissible Density	1000 person/Ha	
Group Housing units	1178	1020
Achieved population @5 person/unit	5890	5100
Residential units for Row Houses/ Villas	1849	1377
Achieved population in Row Houses/	7000	6885
Villas		
For EWS/ LIG	9,483.08 m <sup>2</sup>	8501.36 m2
Achieved units	370	480
Achieved population @5 person/unit	1850	2400
Total Residential Population	14,740	14385
Basement Area		31165 m <sup>2</sup>
No. of Towers in GH		11nos
Height		37.15m

	As per EC Issu	Now Proposed		
	1924/parya/SEAC/1747/2			
Description	Area(m²)	%	Area(m²)	%
Total Plot Area	313948		313948	
Gool Area	12810		12810	
Chak Road Area	3707.52		3707.52	
Kucchi Naali Area	5032.47		5032.47	
Site Area	292396.00		292396.00	
Land Left for Road Widening (51.9m)	4297.14		2927.73	
Green Belt (50 m)	10581.14		9452.41	
Green Belt (100 m)	14807.43		14897.67	
Net Project Area	262710.29		265118.19	
Green and Parks Area	39601.16	15.08	39932.02	15.06
Total Area for Row Houses/	99360.4	37.82	92744.57	34.98
Villas				
Group Housing Plot	51537.7	19.62	41503.12	15.65
Total Area for Residential	150898.1	57.44	134247.69	50.64
L.I.G Housing Plots	5360	2.03	8501.36	3.21
E.W.S Housing Plots	4123.08	1.57		
School	4100	1.56	School-	1.51
			4007.99	0.20
			Nursery-	
			521.05	
Community Centre	5223.02	1.99	4690.65	1.77
Commercial	-	-	10818.73	4.08
Convenience Shopping	2162.75	0.82	2508.06	0.90
Sub-Post Office	100	0.03	109.68	0.04
Health Care Center	806.79	0.31	806.41	0.30
Police Station with	1503.63	0.57	1554.35	0.59

Residential				
ATM & Extension Counter	81	0.03	84.68	0.03
Garbage Disposal	90	0.03	90.0	0.03
11 KVA Electrical Substation	503.33	0.18	501.78	0.19
Aanganwadi	501.74	0.18	502.53	0.19
Chabutra	45	0.02	45.0	0.02
Roads & Circulation	47610.69	18.16	56196.21	21.2
Total	262710.29	100%	265118.19	100%

6- Land use plan :-

Description	Area (m²)	%
Total Site Area	2,92,396	
Total Area for Road Widening and Green	27,277.81	
Net Project Site Area	265118.19	100
Green Area	39932.02	15.06
Residential	134247.69	50.64
Total Area for LIG/EWS	8501.36	3.21
Community Center	4690.65	1.77
Commercial	10818.73	4.08
Convenience Shopping	2508.06	0.9
School	4,007.99	1.71
Other facilities	4,021.45	1.39
Road Area	56390.24	21.27

7- FAR & NON-FAR Details of the project:-

Utility	Area		Permissible		and the same of th	Floor Area		Total
		Coverage	FAR	FAR	FAR	(Area x Total FAR)	FAR	
Total Area for Row Houses/ Villas	92744.57	60	1.75	-	-	-	-	-
Group Housing Plot	41503.12	40	2.5	0.5	3	124509.36	31165	155674.4
L.I.G/ EWS Housing Plots	8501.36	50	2	-	2	17002.72		17002.72
Nursery	521.05	40	0.8	0.2	1	521.05		521.05
School	4007.99	35	1	0.2	1.2	4809.588		4809.588
Community Center	4690.65	40	1.5	0.5	2	9381.3		9381.3
Commercial	10818.73	35	1.75	0.5	2.25	24342.1425		24342.14
Convenience Shopping	2508.06	50	1.5	0.5	2	5016.12		5016.12
Sub-Post Office	109.68				111	2		
Health Care Center	806.41	40	1.5	0.75	2.25	1814.4225		1814,423
Police Station with Residential	1554.35	60	1.75	-	1.75	2720.113		2720.113
Total						190116.816	31165	221281.8

Particulars	No. of Units	No. of Family Per	Occupancy	Population
		Unit hmpa	IAsa	
Group Housing		diffile	- 33	
Group Housing	1020	1/401	5	5100

		Villas (Plot A & B)				
	Plot Size 100 m		220	2	5	2200
	Plot Size 150 m	2	303	2	5	3030
9	Plot Size 175 m	2	60	2	5	600
	Plot Size 200 m	2	64	2	5	960
	Plot Size (251-3	00)	5	3	5	75
	Plot Size (301-5	00)	1	4	5	20
	LIG/EWS					
	LIG		240	1	5	1200
	EWS		240	1	5	1200
	Total Residentia	al Population				14385
	Total Floating P	opulation (10% of R	esidential Po	pulation)		1500
	Public/ Semi-pu	blic				
	School					500
	Nursery					
	Primary			3		500
	School					
	Inter College					700
	Aanganwadi					100
	Other Staff					250
	Club &					50 Staff
	Community					1000
	centre					Visitors
	Health Centre					30 beds
	Commercial	10818.73×3	1.5	@ 1 person 7 sqn	1 .	2320

8- Construction Status of the project till date:-

S.No.	PRODUCT	NOS. TAKEN	BUILT UPAREA TAKEN UP	COMPLETION STATUS
		UP	(lacsq. ft.)	
1.	Villa	232	3,11,350	All are in different construction
	*	>		stages.
2.	Group Housing	304 units	5,53236.16	T-2 at 12 <sup>th</sup> Floor & T-3 at 10 <sup>th</sup> Floor &
			(Only T-2,T-3,T-4&T-5)	T-4 at 8 <sup>th</sup> Floor & T-5 at 8 <sup>th</sup> Floor
3.	EWS/LIG	492	2,04959	Yet to be started
4	Roads	20715.23sqm	-	Completed
5.	School	-	43,125.97	Yet to be started
6.	Health Centre	-	8,676.97	Yet to be started
7.	Commercial	=	11,6409.53	Yet to be started

- Green belt area for (50 m wide green belt) 9452.41 m2
- Green belt (100 m wide green belt) 14897.67 m2
- Green area of 39932.02 m2 is also proposed as dedicated green area (15.06% of Net Plot Area)
- 9- Recycled water discharge details be submitted with water balance:-

Particulars	Population		Rate of sh water LPCD	Fresh wat required (KLD)		Rate of Flushing water LPCD	Re	Flushing/ ecycled water (KLD)	Total water (KLD)
Residential									
Group Housing	5100	65		331.5		21	10	7.10	438.6
Villas (Plot A+B)	6885	65		447.5		21	14	4.6	592.1
LIG/EWS									•
LIG	1200		65	78	21			25.20	103.20
EWS	1200		65	78	21			25.20	103.20

Public & Semi-Public			7.5	10	15	22.5
I done a semi I done						
Nursery !	500	5	2.5	10	5	7.5
Primary !	500	5	2.5	10	5	7.5
Inter College	700	5	3.50	10	7	10.5
Aanganwadi :	100	5	0.5	10	1	1.5
Other staff	250	30	7.5	15	3.75	11.3
Club & Community 5	50 Staff	30	1.5	15	0.75	2.3
centre	1000 Visitors	5	5	10	10	15.0
Commercial 2	2320	5	11.60	10	23.20	23.2
Health Centre	30 bed	340	10.2			10.2
Swimming Pool			10			10.0
			997.35		362.80	1360
Horticulture (@ 1 litre	e /Sqm 64282.1	. m²)			65	65
HVAC					100	100
Total Water Requirem	ment				528	1525
Water/Waste	e Water Details					
Fresh Water f	for domestic us	es			997 KLD	
Flushing	363 KLD					
Horticulture /	65 KLD					
HVAC	100 KLD					
Total Water R	1525 KLD					
Source of wat	ter - Ground W	ater Supp	ly & treated	recycled water		
Waste water						
STP Capacity	- 1400 KLD (85	60KLD + 5	50 KLD)			

10- Solid waste Generation from the project

Particulars	Population	Norms (kg/day)	Total wasta (kg/day)
S. AMERICAN PROGRAMMENT INC.	Fopulation	(kg/ddy)	Total waste (kg/day)
Residential			
Group Housing	5100	0.5	2550
Villas	6885	0.5	3443
LIG/EWS	2400	0.5	1200
Visitors (10%)	1500	0.15	225
Public & Semi-Public			
Schools & Aanganwdi	1800	0.25	450
Community Center & Club	1000	0.25	250
Other staff	300	0.5	150
Horticulture waste		(@0.0037 kg/sq.m)	238
Total Municipal Solid Waste			8.6 TPD
e-waste		(0.15kg/capita/year)	5 Kg/day
Bio-medical waste (30 beds)		(@0.375kg/capita/day) 11.25 Kg/day	
STP Sludge		40 kg per MLD	60 kg

11- Parking provision:-

Type of Facility	Permissible FAR	Norm	ECS Required	ECS Provided
Residential	124509.36 m <sup>2</sup>	1 ECS/ 80 m <sup>2</sup>	1566	3091
(Group Housing)				
(LIG/ EWS)	25,503.09 m <sup>2</sup>	1 ECS/ 80 m <sup>2</sup>	318	1
Commercial	16227 m <sup>2</sup>	1 ECS/ 50 m <sup>2</sup>	325	1
Public- Semi Public	14700.7 x 3 = 44102	1 ECS/ 50 m <sup>2</sup>	882	1
Facility	m <sup>2</sup>	18/ VOIL		
Total		whor Secretary E	3091	3091

#### 12- Power Requirement :-

Power requirement	~15 MW
Source of power and supply capacity	U.P Power Corporation Ltd.
Backup power supply arrangement	DG Sets 4×1250 KVA = 5000 KVA
	(33% of power requirement)

13- The project proposal fall under category 8(b) of EIA Notification, 2006 (as amended).

Based on the recommendations of the State Level Expert Appraisal Committee Meeting (SEAC) held on 26/12/2017 the State Level Environment Impact Assessment Authority (SEIAA) in its Meeting held on 03/01/2018 decided to grant the Environmental Clearance for proposed project along with subject to the effective implementation of the following general and specific conditions:-

#### **General Conditions:**

- 1. It shall be ensured that all standards related to ambient environmental quality and the emission/effluent standards as prescribed by the MoEF are strictly complied with.
- 2. It shall be ensured that obtain the no objection certificate from the U P pollution control board before start of construction.
- 3. It shall be ensured that no construction work or preparation of land by the project management except for securing the land is started on the project or the activity without the prior environmental clearance.
- 4. The proposed land use shall be in accordance to the prescribed land use. A land use certificate issued by the competent Authority shall be obtained in this regards.
- 5. All trees felling in the project area shall be as permitted by the forest department under the prescribed rules. Suitable clearance in this regard shall be obtained from the competent Authority.
- 6. Impact of drainage pattern on environment should be provided.
- 7. Surface hydrology and water regime of the project area within 10 km should be provided.
- 8. A suitable plan for providing shelter, light and fuel, water and waste disposal for construction labour during the construction phase shall be provided along with the number of proposed workers.
- 9. Measures shall be undertaken to recycle and reuse treated effluents for horticulture and plantation. A suitable plan for waste water recycling shall be submitted.
- 10. Obtain proper permission from competent authorities regarding enhanced traffic during and due to construction and operation of project.
- 11. Obtain necessary clearances from the competent Authority on the abstraction and use of ground water during the construction and operation phases.
- 12. Hazardous/inflammable/Explosive materials likely to be stored during the construction and operation phases shall be as per standard procedure as prescribed under law, Necessary clearances in this regards shall be obtained.
- 13. Solid wastes shall be suitably segregated and disposed. A separate and isolated municipal waste collection center should be provided. Necessary plans should be submitted in this regards.
- 14. Suitable rainwater harvesting systems as per designs of groundwater department shall be installed. Complete proposals in this regard should be submitted.
- 15. The emissions and effluents etc. from machines, Instruments and transport during construction and operation phases should be according to the prescribed standards. Necessary plans in this regard shall be submitted.
- 16. Water sprinklers and other dust control measures should be undertaken to take care of dust generated during the construction and operation phases. Necessary plans in this regard shall be submitted.
- 17. Suitable noise abatement measures shall be adopted during the construction and operation phases in order to ensure that the noise emissions do not violate the prescribed ambient noise standards. Necessary plans in this regard shall be submitted.
- 18. Separate stock piles shall be maintained for excavated top soil and the top soil should be utilized for preparation of green belt.
- 19. Sewage effluents shall be kept separate from rain water collection and storage system and separately disposed. Other effluents should not be allowed to mix with domestic effluents.

- 20. Hazardous/Solid wastes generated during construction and operation phases should be disposed off as prescribed under law. Necessary clearances in this regard shall be obtained.
- 21. Alternate technologies for solid waste disposals (like vermin-culture etc.) should be used in consultation with expert organizations.
- 22. No wetland should be infringed during construction and operation phases. Any wetland coming in the project area should be suitably rejuvenated and conserved.
- 23. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Fully impermeable pavements shall not be constructed. Construction of pavements around trees shall be as per scientifically accepted principles in order to provide suitable watering, aeration and nutrition to the tree.
- 24. The Green building Concept suggested by Indian Green Building Council, which is a part of CII-Godrej GBC, shall be studied and followed as for as possible.
- 25. Compliance with the safety procedures, norms and guidelines as outlined in National Building Code 2005 shall be compulsorily ensured.
- 26. Ensure usage of dual flush systems for flush cisterns and explore options to use sensor based fixtures, waterless urinals and other water saving techniques.
- 27. Explore options for use of dual pipe plumbing for use of water with different qualities such as municipal supply, recycled water, ground water etc.
- 28. Ensure use of measures for reducing water demand for landscaping and using xeriscaping, efficient irrigation equipments & controlled watering systems.
- 29. Make suitable provisions for using solar energy as alternative source of energy. Solar energy application should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar water heating. Present a detailed report showing how much percentage of backup power for institution can be provided through solar energy so that use and polluting effects of DG sets can be minimized.
- 30. Make separate provision for segregation, collection, transport and disposal of e-waste.
- 31. Educate citizens and other stake-holders by putting up hoardings at different places to create environmental awareness.
- 32. Traffic congestion near the entry and exit points from the roads adjoining the proposed project site must be avoided. Parking should be fully internalized and no public space should be utilized.
- 33. Prepare and present disaster management plan.
- 34. The project proponents shall ensure that no construction activity is undertaken without obtaining preenvironmental clearance.
- 35. A report on the energy conservation measures confirming to energy conservation norms finalize by Bureau of Energy efficiency should be prepared incorporating details about building materials and technology, R & U Factors etc.
- 36. Fly ash should be used as building material in the construction as per the provision of fly ash notification of September, 1999 and amended as on August, 2003 (The above condition is applicable only if the project lies within 100 km of Thermal Power Station).
- 37. The DG sets to be used during construction phase should use low sulphur diesel type and should conform to E.P. rules prescribed for air and noise emission standards.
- 38. Alternate technologies to Chlorination (for disinfection of waste water) including methods like Ultra Violet radiation, Ozonation etc. shall be examined and a report submitted with justification for selected technology.
- 39. The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential land use. The open spaces inside the plot should be suitably landscaped and covered with vegetation of indigenous variety.
- 40. The construction of the building and the consequent increased traffic load should be such that the micro climate of the area is not adversely affected.
- 41. The building should be designed so as to take sufficient safeguards regarding seismic zone sensitivity.
- 42. High rise buildings should obtain clearance from aviation department or concerned authority.

- 43. Suitable measures shall be taken to restrain the development of small commercial activities or slums in the vicinity of the complex. All commercial activities should be restricted to special areas earmarked for the purpose.
- 44. It is suggested that literacy program for weaker sections of society/women/adults (including domestic help) and under privileged children could be provided in a formal way.
- 45. The use of Compact Fluorescent lamps should be encouraged. A management plan for the safe disposal of used/damaged CFLs should be submitted.
- 46. It shall be ensured that all Street and park lighting is solar powered. 50% of the same may be provided with dual (solar/electrical) alternatives.
- 47. Solar water heater shall be installed to the maximum possible capacity. Plans may be drawn up accordingly ad submitted with justification.
- 48. Treated effluents shall be maximally reused to aim for zero discharge. Where ever not possible, a detailed management plan for disposal should be provided with quantities and quality of waste water.
- 49. The treated effluents should normally not be discharged into public sewers with terminal treatment facilities as they adversely affect the hydraulic capacity of STP. If unable, necessary permission from authorities should be taken.
- 50. Construction activities including movements of vehicles should be so managed so that no disturbance is caused to nearby residents.
- 51. All necessary statutory clearances should be obtained and submitted before start of any construction activity and if this condition is violated the clearance, if and when given, shall be automatically deemed to have been cancelled.
- 52. Parking areas should be in accordance with the norms of MOEF, Government of India. Plans may be drawn up accordingly and submitted.
- 53. The location of the STP should be such that it is away from human habilitation and does not cause problem of odor. Odorless technology options should be examined and a report submitted.
- 54. The Environment Management plan should also include the break up costs on various activities and the management issues also so that the residents also participate in the implementation of the environment management plan.
- 55. Detailed plans for safe disposal of STP sludge shall be provided along with ultimate disposal location, quantitative estimates and measures proposed.
- 56. Status of the project as on date shall be submitted along with photographs from North, South, West and East side facing camera and adjoining areas should be provided.
- 57. Specific location along with dimensions with reference to STP, Parking, Open areas and Green belt etc. should be provided on the layout plan.
- 58. The DG sets shall be so installed so as to conform to prescribed stack heights and regulations and also to the noise standards as prescribed. Details should be submitted.
- 59. E-Waste Management should be done as per MoEF guidelines.
- 60. Electrical waste should be segregated & disposed suitably as not to impose Environmental Risk.
- 61. The use of suitably processed plastic waste in the construction of roads should be considered.
- 62. Displaced persons shall be suitably rehabilitated as per prescribed norms.
- 63. Dispensary for first aid shall be provided.
- 64. Safe disposal arrangement of used toiletries items in Hotels should be ensured. Toiletries items could be given complementary to guests, adopting suitable measures.
- 65. Diesel generating set stacks should be monitored for CO and HC.
- 66. Ground Water downstream of Rain Water Harvesting pit nearest to STP should be monitored for bacterial contamination. Necessary Hand Pumps should be provided for sampling. The monitoring is to be done both in pre and post monsoon, seasons.
- 67. The green belt shall consist of 50% trees, 25% shrubs and 25% grass as per MoEF norms.
- 68. A Separate electric meter shall be provided to monitor consumption of energy for the operation of sewage/effluent treatment in tanks.
- 69. An energy audit should be annually carried out during the operational phase and submitted to the authority.

- 70. Project proponents shall endeavor to obtain ISO: 14001 certification. All general and specific conditions mentioned under this environmental clearance should be included in the environmental manual to be prepared for the certification purposes and compliance.
- 71. Environmental Corporate Responsibility (ECR) plan along with budgetary provision amounting to 2% of total project cost shall be submitted (within the month) on need base assessment study in the study area. Income generating measures which can help in up-liftment of weaker section of society consistent with the traditional skills of the people identified. The program me can include activities such as old age homes, rain water harvesting provisions in nearby areas, development of fodder farm, fruit bearing orchards, vocational training etc. In addition, vocational training for individuals shall be imparted so that poor section of society can take up self employment and jobs. Separate budget for community development activities and income generating programmers shall be specified. Revised ECR plan is to be submitted within 3 month. Failing which, the environmental Clearance shall be deemed to be cancelled.
- 72. Appropriate safety measures should be made for accidental fire.
- 73. Smoke meters should be installed as warning measures for accidental fires.
- 74. Plan for safe disposal of R.O reject is to be submitted.

#### **SPECIFIC CONDITIONS:**

- 1. The project proponent shall submit within the next 3 months the details of solar power plant and solar electrification details within the project.
- 2. The project proponent shall ensure to plant broad leave trees and their maintenance. The CPCB guidelines in this regard shall be followed.
- 3. The project proponent shall submit within the next 3 months the details on quantification of year wise CSR activities along with cost and other details. CSR activities must not be less 2% of the project cost. The CSR activities should be related to mitigation of Environmental Pollution and awareness for the same.
- 4. The project proponent shall submit within the next 3 months the details of estimated construction waste generated during the construction period and its management plan.
- 5. The project proponent shall submit within the next 3 months the details of segregation plan of MSW.
- 6. The project proponent shall engage the agency authorized by UPPCB for Bio-medical waste collection, transportation, disposal and treatment. The project proponent shall submit within the next 3 months the details of segregation and management plan of Bio-medical waste.
- 7. The project proponent shall ensure that waste water is properly treated in STP and reused maximum for gardening, flushing system etc. For reuse of water for irrigation sprinkler and drip irrigation system shall be installed and maintained for proper function.
- 8. The project proponent will ensure that proper dust control arrangements are made during construction and proper display board is installed at the site to inform the public the steps taken to control air pollution as per the Construction and Demolition Waste Management Rules.
- 9. Plantation of trees should be of indigenous species and may be as per the consultation of local district Forest Officer.
- 10. The waste water generated should be treated properly in scientific manner i.e. domestic waste water to be treated in STP and effluent such as RO rejects with high TDS and other chemical bearing effluent shall be treated separately.
- 11. The height, Construction built up area of proposed construction shall be in accordance with the existing FAR norms of the competent authority & it should ensure the same along with survey number before approving layout plan & before according commencement certificate to proposed work. Plan approving authority should also ensure the zoning permissibility for the proposed project as per the approved development plan of the area.
- 12. "Consent for Establishment" shall be obtained from UP Pollution Control Board.
- 13. All required sanitary and hygienic measures should be in place before starting construction activities and to be maintained throughout the construction phase. Pack Asses
- 14. Project proponent shall ensure completion of STP, MSW disposal facility, green belt development prior to occupation of the buildings.

- 15. Provision shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche and First Aid Room etc.
- 16. Adequate drinking water and sanitary facilities should be provided for construction workers at the site. Provision should be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during the construction phase should be ensured.
- 17. The solid waste generated should be properly collected and segregated. Dry/inert solid waste should be disposed off to the approved sites for land filling after recovering recyclable material.
- 18. Bio medical waste management shall be followed as per the Bio-Medical Waste (Management and Handling) Rules, 2016. Special attention to be given for Mercury waste management and disposal.
- 19. Necessary permissions should be sought for use and safe disposal of radioactive materials. Procedural protocol prescribed by competent authority should be followed for the same.
- 20. Corporate Social Responsibility (CSR) phase wise plan along with budgetary provision amounting to 2% of the total project cost shall be prepared and approved by Board of Directors of the company. A copy of resolution as above shall be submitted to the authority. A list of beneficiaries with their mobile nos./address should be submitted alongwith six monthly compliance reports.
- 21. No parking shall be allowed outside the project boundary.
- 22. Parking space for ambulances shall be exclusively earmarked.
- 23. Police post shall be provided near emergency.
- 24. Dedicated power supply to be installed in Operation Theater and other critical areas
- 25. Accommodation for attendants to be provided near indoor nursing wards.
- 26. Digging of basement shall be undertaken in view of structural safety of adjacent buildings under information/consultation with District Administration/Mining Department. All the topsoil excavated during construction activities should be stored for use in horticulture /landscape development within the project site. Additional soil for leveling of the proposed site shall be generated within the sites (to the extent possible) so that natural drainage system of the area is protected and improved.
- 27. The approval of competent authority shall be obtained for structural safety of the buildings due to any possible earthquake, adequacy of fire fighting equipments etc. as per National Building Code including measures from lighting.
- 28. Disposal of muck during construction phase should not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- 29. Any hazardous waste generated during construction phase should be disposed off as per applicable rules and norms with necessary approvals of the UP Pollution Control Board.
- 30. The diesel generator sets to be used during construction phase should be low sulphur diesel type and should conform to Environments (Protection) Rules prescribed for air and noise emission standards.
- 31. Ambient noise levels should conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality should be closely monitored during construction phase. Adequate measures should be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB/UPPCB.
- 32. The green belt design along the periphery of the plot shall achieve attenuation factor conforming to the day and night noise standards prescribed for residential area. The open spaces inside the plot should be landscaped and covered with grass and shrubs. Green Belt Development shall be carried out considering CPCB guidelines including selection of plant species and in consultation with the local DFO/ Agriculture Dept.
- 33. The building should have adequate distance between them to allow movement of fresh air and passage of natural light, air and ventilation.
- 34. Pavements shall be so constructed as to allow infiltration of surface run-off of rain water. Construction of pavements around trees should be able to facilitate suitable watering, aeration and nutrition to the tree.
- 35. Ready Mix Concrete and Sprinkler to be used for curing and quenching during construction phase.

- 36. Convenient shops, bank, canteen, post office and medicine shops etc to be provided with in complex.
- 37. RWH to be done only from root top. Arrangement shall be made that waste water and storm water do not get mixed.
- 38. NOC from Ground Water Board is to be submitted for drilling of tube well for use of Water Supply.
- 39. Authorization certificate is to be obtained from Pollution Board and you cannot hold bio medical waste more than 24 hours.
- 40. All the internal drains are to be covered till the disposal point.
  - 41. This environmental clearance is issued subject to land use verification. Local authority / planning authority should ensure this with respect to Rules, Regulations, Notifications, Government Resolutions, Circulars, etc. issued if any.

No construction/operation is to be started without obtaining Prior Environmental Clearance. Concealing factual data and information or submission of false/fabricated data and failure to comply with any of the conditions stipulated in the Prior Environmental Clearance attract action under the provision of Environmental (Protection) Act, 1986.

This Environmental Clearance is subject to ownership of the site by the project proponents in confirmation with approved Master Plan for Lucknow In case of violation; it would not be effective and would automatically be stand cancelled.

The project proponent has to ensure that the proposed site in not a part of any no- development zone as required/prescribed/indentified under law. In case of the violation this permission shall automatically deemed to be cancelled. Also, in the event of any dispute on ownership or land use of the proposed site, this Clearance shall automatically deemed to be cancelled.

The project proponent has to mandatorily submit the compliance of specific conditions no- 1, 3, 4 & 5 given in E.C. letter within 3 months, falling which the Clearance shall automatically deemed to be cancelled.

Further project proponent has to submit the regular 6 monthly compliance report regarding general & specific conditions as specified in the E.C. letter and comply the provision of EIA notification 2006 (as Amended).

These stipulations would be enforced among others under the provisions of Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and EIA Notification, 2006 including the amendments and rules made thereafter.

(Ashish Tiwari) Member Secretary, SEIAA

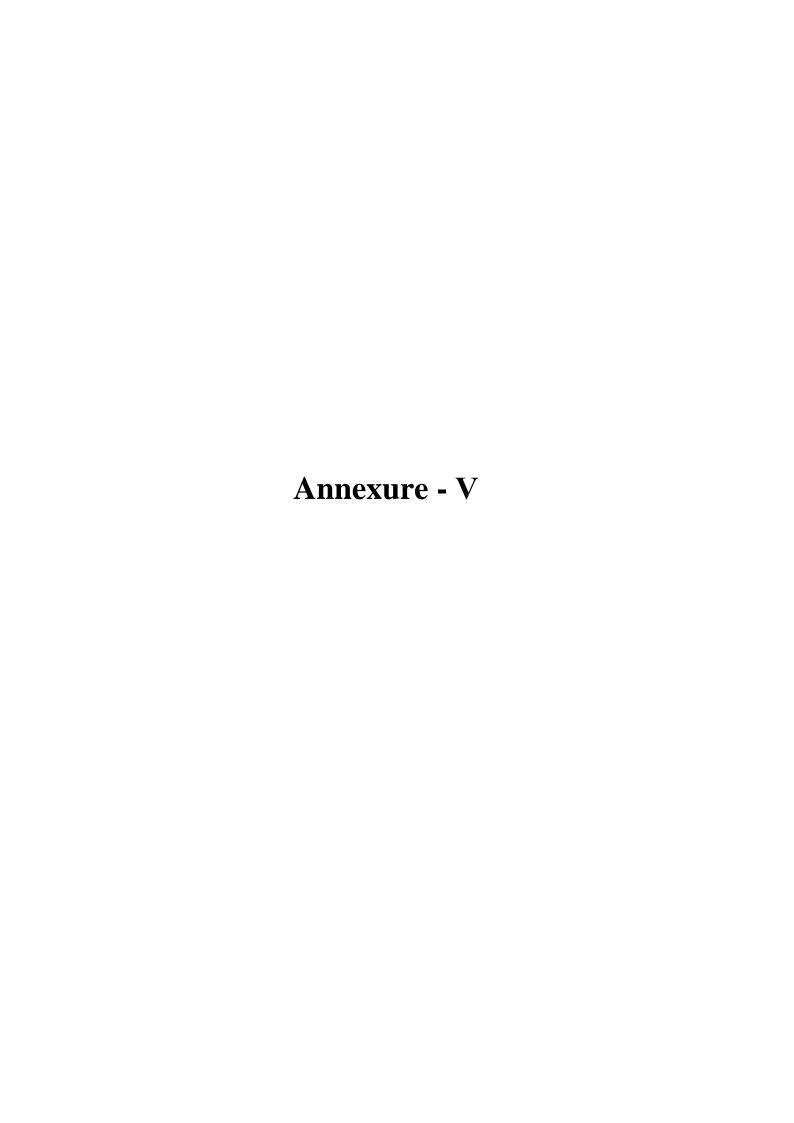
No...../Parya/SEAC/3640/2016

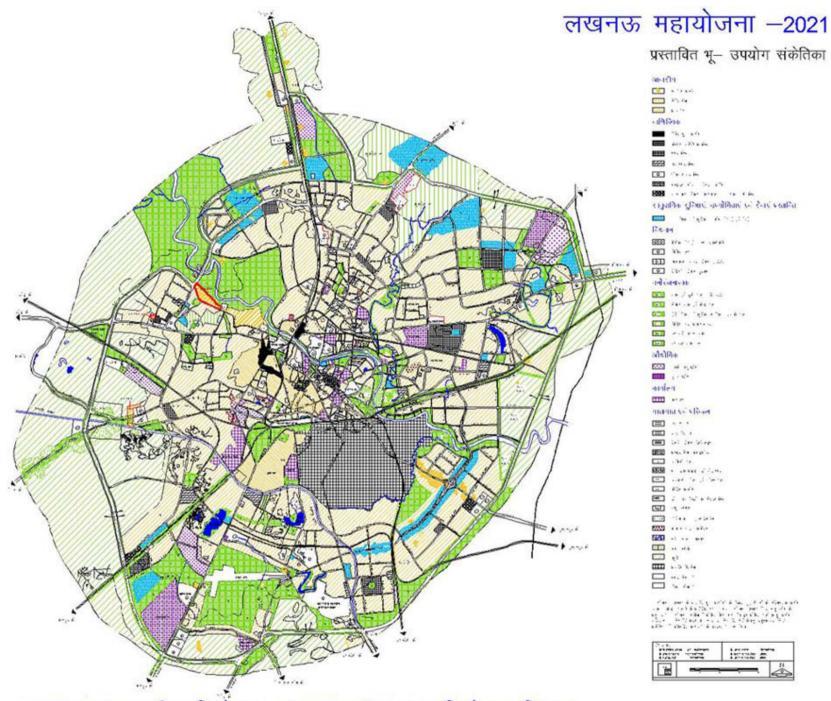
Dated: As above

## Copy with enclosure for Information and necessary action to:

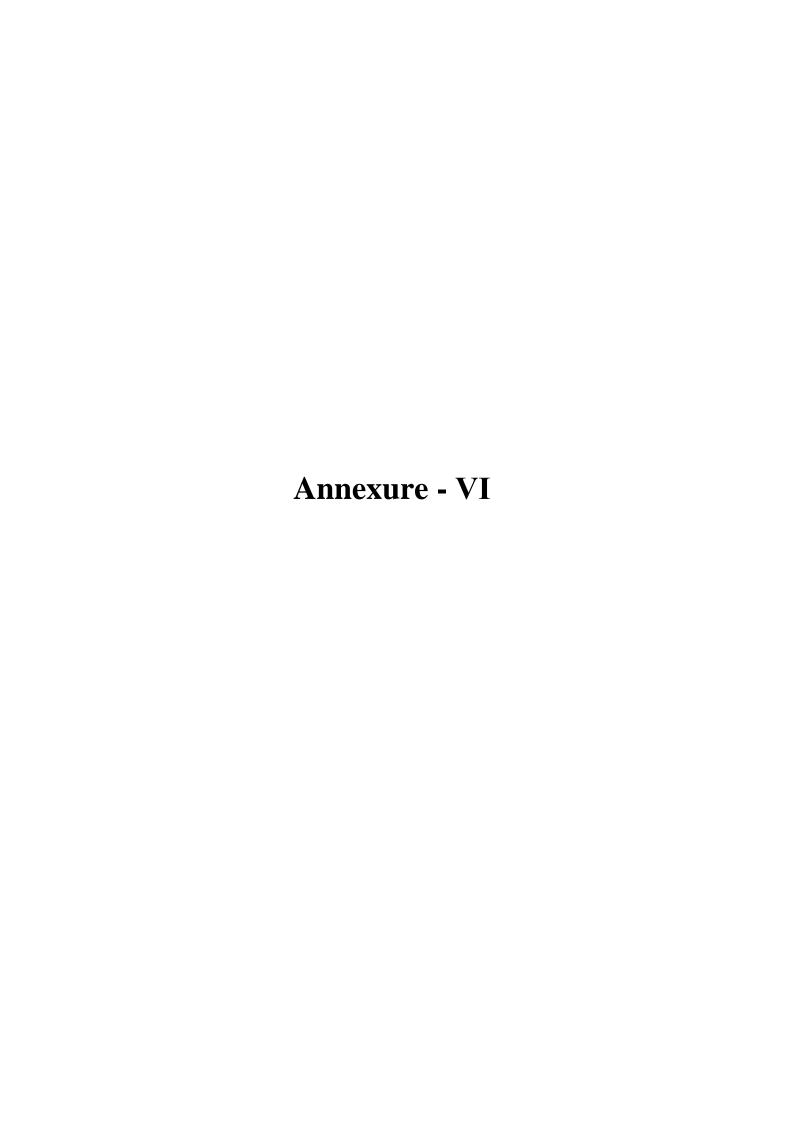
- 1. The Principal Secretary, Department of Environment, Govt. of Uttar Pradesh, Lucknow.
- 2. Advisor, IA Division, Ministry of Environment, Forests & Climate Change, Govt. of India, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi.
- 3. Additional Director, Regional Office, Ministry of Environment & Forests, (Central Region), Kendriya Bhawan, 5th Floor, Sector-H, Aliganj, Lucknow.
- 4. District Magistrate, Lucknow.
- 5. The Member Secretary, U.P. Pollution Control Board, TC-12V, Paryavaran Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow.
- 6. Copy to Web Master/ guard file.

(Ashish Tiwari) Member Secretary, SEIAA





लखनऊ सम्भागीय नियोजन खंड नगर एवं ग्राम नियोजन विभाग उत्तर —प्रदेश





## Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC031300

#### VALID FROM 16/07/2021 TO 15/07/2026

{UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}

Registration No.: 2021	06000399		
Name of the Owner	MOHD KAREEM FAROOQUI		
Designation ਧਫ	Senior Vice President	Company Name कंपनी का नाम	Shalimar KSMB Projects
Company Address कंपनी का पता	Titanium Shalimar Corporation Park, Vibhuti Khand,	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	Shalimar GARDEN Bay,Hardoi -Sitapur LinkRoad,Lucknow,U.P	Application Form Serial No.	LKNW0621NIF0016
Date of Submission	17/06/2021	Specimen Signature	
Location Particulars			
District	Lucknow	Block	CHINHAT
Plot No./Khasra No.	Garden Bay, Vill-Ghaila and Alinagar	Municipality/Corporation	No
Ward No./Holding No.			
Particular of the Existi	ng Well and Pumping Device		
Date of Construction/Sinking of the Well	20/12/2018		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	100.00
Purpose of well	Infrastructural	Assembly Size(For Tube Well)	
Strainer Position (For Tube	e Well)		
Type of Pump Used	Submersible	H.P. of the Pump	7.50
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	42.00
Date of Energization (In Ca	ase of Flectric Pump)	25/12/2018	

Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	42.00	Maximum Allowable Running Hours Per Day:	4.00
Maximum Allowable Annua	Maximum Allowable Annual Extraction of Ground Water:		61320

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.

#### **GENERAL CONDITIONS:**

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- · Guidelines for Installation of Piezometers and their Monitoring

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/day)	No of piozomotoro required	Monitiring Mechanism	
3.110	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 It capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.

- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

#### SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m³ /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal
  washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of
  ground water pollution.
- **(B) Infrastructural User:** The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date: 08/11/2021

Place:Lucknow

This certificate is electronically generated and does not require digital signature



## Form 8 (C)

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC042085

VALID FROM 16/07/2021 TO 15/07/2026

Name of the Applicant	MOHD KAREEM FAROOQUI					
Address of the Applicant:	Shalimar GARDEN Bay,Hardoi -Sitapur LinkRoad,Lucknow,U.P					
Company Name:	Shalimar KSMB Project	Company Address	Titanium Shalimar Corporation Park, Vibhuti Khand,			
Serial No. of Application Form	LKNW0621NIF0017	Date of Submission	18/06/2021			
Specimen Signature of the User:						
Location particulars:						
District	Lucknow	Block	CHINHAT			
Plot No.	Garden Bay, Vill-Ghaila and Alinagar					
Municipality/Corporation	No	Ward No.	Block – Chinhat, District – Lucknow UP			
Holding No.			Block – Chinhat, District – Lucknow UP			
Rate of Withdrawal (m <sup>3</sup> /hr.)	45.00	Date of Energization (In Case of Electric Pump)	07/06/2020			
Particular of the Proposed We	ell and Pumping Device					
Type of the Well	Tube Well/Boring	Purpose of the Well	Infrastructural			
Assembly Size (For Tube Well)	0.00	Approx. Strainer Length (For Tube Well)	0.00			
Diameter (For Dug Well)	0.00	Type of Pump to be Used:	Submersible			
H.P. of the Pump:	7.50	Operational Device	Electric Motor			
Maximum Allowable Rate of Withdrawal (m³/hr.):	45.00	Maximum Allowable Running Hours Per Day:	3.00			
Maximum Allowable Annual Extrac	49275					

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.

## **GENERAL CONDITIONS:**

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- Guidelines for Installation of Piezometers and their Monitoring

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Overture of Crownd water withdrawal (over/dox)	No.of piezometers required	Monitiring Mechanism	
3.110	Quantum of Ground water withdrawal (cum/day)	No.or piezometers required	Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 It capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

#### SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.

- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m³ /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) Infrastructural User: The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date: 08/11/2021

Place:Lucknow

This certificate is electronically generated and does not require digital signature



## Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC038400

#### VALID FROM 16/07/2021 TO 15/07/2026

{UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}

Registration No.: 2021	06000418		
Name of the Owner	MOHD KAREEM FAROOQUI		
Designation ਧਫ	Senior Vice President	Company Name कंपनी का नाम	Shalimar KSMB Project
Company Address कंपनी का पता	Titanium Shalimar Corporation Park, Vibhuti Khand,	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	Shalimar GARDEN Bay,Hardoi -Sitapur LinkRoad,Lucknow,U.P	Application Form Serial No.	LKNW0621NIF0015
Date of Submission	18/06/2021	Specimen Signature	
Location Particulars			
District	Lucknow	Block	CHINHAT
Plot No./Khasra No.	Garden Bay, Vill-Ghaila and Alinagar	Municipality/Corporation	No
Ward No./Holding No.			
Particular of the Existi	ng Well and Pumping Device		
Date of Construction/Sinking of the Well	20/06/2018		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	100.00
Purpose of well	Infrastructural	Assembly Size(For Tube Well)	
Strainer Position (For Tube	e Well)		
Type of Pump Used	Submersible	H.P. of the Pump	7.50
Operational Device	Electric Motor	Rate of Withdrawal (m <sup>3</sup> /hr.)	42.00
Date of Energization (In Ca	ase of Electric Pump)	23/06/2018	

Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	42.00	Maximum Allowable Running Hours Per Day:	4.00
Maximum Allowable Annua	I Extraction of Ground Water:		61320

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.

#### **GENERAL CONDITIONS:**

- · In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- · Guidelines for Installation of Piezometers and their Monitoring

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/day)	No of piezemeters required	Monitiring Mechanism	
3.110	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 It capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.

- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

#### SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m³ /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal
  washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of
  ground water pollution.
- **(B) Infrastructural User:** The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date: 08/11/2021

Place:Lucknow

This certificate is electronically generated and does not require digital signature



## Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC021138

#### VALID FROM 16/07/2021 TO 15/07/2026

{UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}

Registration No.: 2021	06000429		
Name of the Owner	MOHD KAREEM FAROOQUI		
Designation ਧਫ	Senior Vice President	Company Name कंपनी का नाम	Shalimar KSMB Project
Company Address कंपनी का पता	Titanium Shalimar Corporation Park, Vibhuti Khand,	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	Shalimar GARDEN Bay,Hardoi -Sitapur LinkRoad,Lucknow,U.P	Application Form Serial No.	LKNW0621NIF0018
Date of Submission	18/06/2021	Specimen Signature	
Location Particulars			
District	Lucknow	Block	CHINHAT
Plot No./Khasra No.	Garden Bay, Vill-Ghaila and Alinagar	Municipality/Corporation	No
Ward No./Holding No.			
Particular of the Propo	sed Well and Pumping Device		
Date of Construction/Sinking of the Well	23/04/2021		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	100.00
Purpose of well	Infrastructural	Assembly Size(For Tube Well)	
Strainer Position (For Tube	e Well)		
Type of Pump Used	Submersible	H.P. of the Pump	7.50
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	40.00
Date of Energization (In Ca	· · · · · · · · · · · · · · · · · · ·	26/04/2021	

Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	40.00	Maximum Allowable Running Hours Per Day:	3.00
Maximum Allowable Annua	I Extraction of Ground Water:		43800

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.

#### **GENERAL CONDITIONS:**

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- · Guidelines for Installation of Piezometers and their Monitoring

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Monitiring Mechanism	
3.110			Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 It capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.

- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

#### SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m³ /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal
  washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of
  ground water pollution.
- **(B) Infrastructural User:** The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup>
  /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date: 08/11/2021

Place:Lucknow

This certificate is electronically generated and does not require digital signature



## Form 8 (C)

[See Rule 8(1)]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

## AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC011654

#### VALID FROM 16/07/2021 TO 15/07/2026

{UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}

Registration No.: 2021	06000430			
Name of the Owner	MOHD KAREEM FAROOQUI			
Designation ਧਫ	Senior Vice President	Company Name कंपनी का नाम	Shalimar KSMB Projects	
Company Address कंपनी का पता	Titanium Shalimar Corporation Park, Vibhuti Khand,	Authorization Letter प्राधिकार पत्र	Download	
Address of the Applicant	Shalimar GARDEN Bay,Hardoi -Sitapur LinkRoad,Lucknow,U.P	Application Form Serial No.	LKNW0621NIF0019	
Date of Submission	18/06/2021	Specimen Signature		
Location Particulars				
District	Lucknow	Block	CHINHAT	
Plot No./Khasra No.	Garden Bay, Vill-Ghaila and Alinagar	Municipality/Corporation	No	
Ward No./Holding No.				
Particular of the Existi	ng Well and Pumping Device			
Date of Construction/Sinking of the Well	01/05/2019			
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	100.00	
Purpose of well	Infrastructural	Assembly Size(For Tube Well)		
Strainer Position (For Tube	e Well)			
Type of Pump Used	Submersible	H.P. of the Pump	7.50	
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	45.00	
Date of Energization (In Ca				

Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	45.00	Maximum Allowable Running Hours Per Day:	4.00
Maximum Allowable Annua	65700		

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.

#### **GENERAL CONDITIONS:**

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- · Guidelines for Installation of Piezometers and their Monitoring

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

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- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Monitiring Mechanism		
3.110	Quantum of Ground water withdrawar (cum/day)	uay) 140.01 piezoffieters required		DWLR with Telemetry	
1	< 10	0	0	0	
2	11 - 50	1	1	0	
3	50- 500	1	0	1	
4	> 500	2	0	2	

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 It capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.

- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

#### SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m³ /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal
  washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of
  ground water pollution.
- **(B) Infrastructural User:** The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date: 08/11/2021

Place:Lucknow

This certificate is electronically generated and does not require digital signature



#### Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

#### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC049319

#### VALID FROM 16/07/2021 TO 15/07/2026

{UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}

Registration No.: 2021	06000432				
Name of the Owner	MOHD KAREEM FAROOQUI				
Designation ਧਫ	4127-1905-2654	Company Name कंपनी का नाम	Shalimar KSMB Projects		
Company Address कंपनी का पता	Titanium Shalimar Corporation Park, Vibhuti Khand, Authorization Letter प्राधिकार पत्र				
Address of the Applicant	ess of the Applicant Shalimar GARDEN Bay,Hardoi -Sitapur LinkRoad,Lucknow,U.P Application Form Serial No.				
Date of Submission	ate of Submission 18/06/2021 Specimen Signature				
Location Particulars					
District	Lucknow	Block	CHINHAT		
Plot No./Khasra No.	Plot No./Khasra No. Garden Bay, Vill-Ghaila and Alinagar Municipality/Corporation				
Ward No./Holding No.					
Particular of the Existi	ng Well and Pumping Device				
Date of Construction/Sinking of the Well	12/07/2018				
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	100.00		
Purpose of well	Infrastructural	Assembly Size(For Tube Well)			
Strainer Position (For Tube	e Well)				
Type of Pump Used	Submersible	H.P. of the Pump	7.50		
Operational Device Electric Motor Rate of Withdrawal (m³/hr.)			42.00		
Date of Energization (In Ca	ase of Electric Pump)	14/07/2018			

Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	42.00	Maximum Allowable Running Hours Per Day:	3.00
Maximum Allowable Annual Extraction of Ground Water:			45990

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.

#### **GENERAL CONDITIONS:**

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
- · Guidelines for Installation of Piezometers and their Monitoring

Piezometer is a borewell /tubewell used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing when ever needed. General guidelines for installation of piezometers are as follows:

- The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
- The depth of the piezometer should be same as is case of the pumping well from which ground water is being abstracted. If, more than one piezometers are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/dov)	No.of piezometers required	Monitiring Mechanism		
3.110	Quantum of Ground water withdrawal (cum/day)	indrawai (cumiday)		DWLR with Telemetry	
1	< 10	0	0	0	
2	11 - 50	1	1	0	
3	50- 500	1	0	1	
4	> 500	2	0	2	

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 It capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.

- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m³ /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal
  washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of
  ground water pollution.
- **(B) Infrastructural User:** The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering
  discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring
  records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water
  Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date: 08/11/2021

Place:Lucknow

This certificate is electronically generated and does not require digital signature



#### Form 8 (C)

[See Rule 8(1)]

# AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW / EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

### AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC023257

#### VALID FROM 16/07/2021 TO 15/07/2026

{UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}

Registration No.: 2021	06000434				
Name of the Owner	MOHD KAREEM FAROOQUI				
Designation ਧਫ	Senior Vice President	Company Name कंपनी का नाम	Shalimar KSMB Projects		
Company Address कंपनी का पता	Titanium Shalimar Corporation Park, Vibhuti Khand, Authorization Letter प्राधिकार पत्र				
Address of the Applicant	ress of the Applicant Shalimar GARDEN Bay,Hardoi -Sitapur LinkRoad,Lucknow,U.P Application Form Serial No.				
Date of Submission					
Location Particulars					
District	Lucknow	Block	CHINHAT		
Plot No./Khasra No.	Plot No./Khasra No. Garden Bay, Vill-Ghaila and Alinagar Municipality/Corporation				
Ward No./Holding No.					
Particular of the Existi	ng Well and Pumping Device				
Date of Construction/Sinking of the Well	11/07/2018				
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	100.00		
Purpose of well	Infrastructural	Assembly Size(For Tube Well)			
Strainer Position (For Tube	e Well)				
Type of Pump Used	Submersible	H.P. of the Pump	7.50		
Operational Device Electric Motor Rate of Withdrawal (m³/hr.)			42.00		
Date of Energization (In Ca	ase of Electric Pump)	21/11/2018			

Maximum Allowable Rate of Withdrawal (m <sup>3</sup> /hr.):	42.00	Maximum Allowable Running Hours Per Day:	3.00
Maximum Allowable Annua	45990		

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (2) for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf.

#### **GENERAL CONDITIONS:**

- · In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this
  certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this
  authorization
- For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this
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  registration
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis
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- No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/day)	No.of piezometers required	Monitiring Mechanism		
3.110	Quantum of Ground water withdrawar (cum/day)	No.or piezometers required	Manual	DWLR with Telemetry	
1	< 10	0	0	0	
2	11 - 50	1	1	0	
3	50- 500	1	0	1	
4	> 500	2	0	2	

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter upto two decimal.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone taped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 It capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.

- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site specific requirement regarding safety and access for measurement may be taken care of.
- Any other condition(s) that may be imposed by the concerned Authority.
- In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.

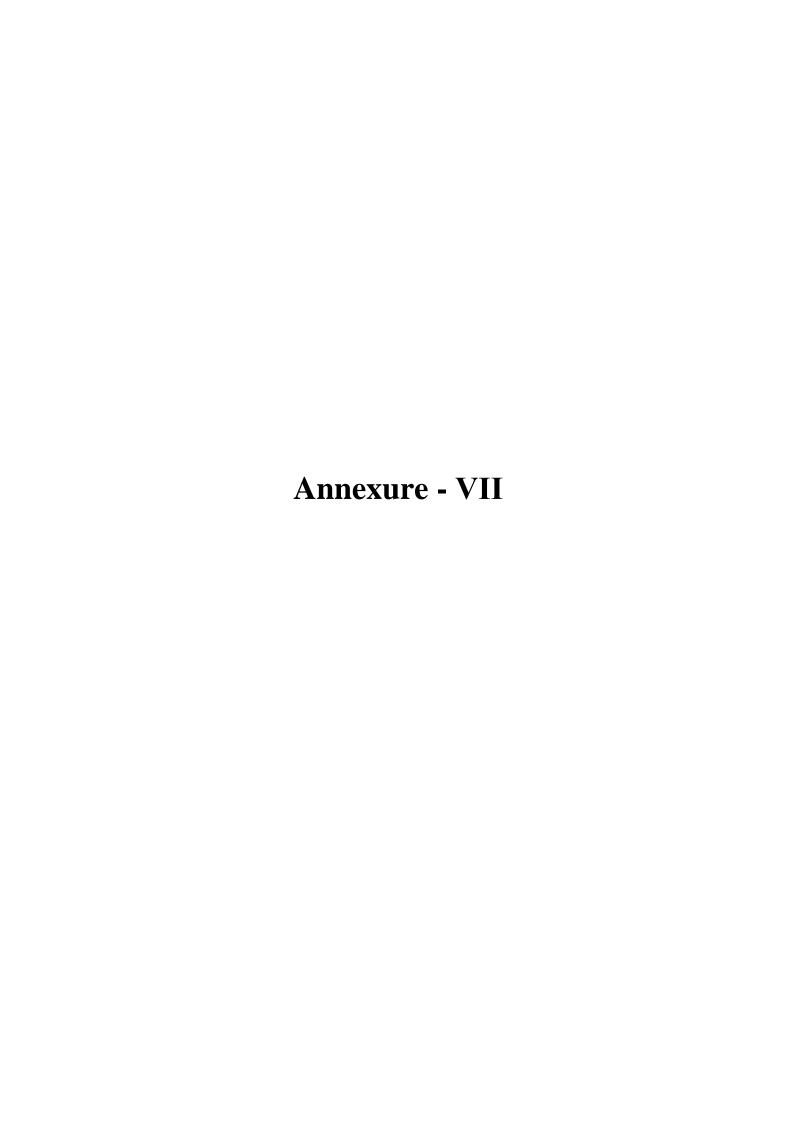
#### SPECIFIC CONDITIONS:

- (A) For Industrial User: No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
- i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
- ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
- iii) All industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) certified auditors and submit audit reports within three months of completion of the same to Ground Water Department Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
- iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m³ /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
- v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
- vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
- vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal
  washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of
  ground water pollution.
- **(B) Infrastructural User:** The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
- i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
- ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

Date:09/11/2021

Place:Lucknow

This certificate is electronically generated and does not require digital signature



Work Order



To, Rama Shankar Badi Kheda, PO-Bhadnag Purwa, Dist. Unnao Uttar Pradesh-209825 PAN NO:HCSP50825J Contact Person- Mr. Rama Shankar MOB-8853300890

Date :-28-03-25

Work Order Period: - 01 Feb. 2025 to 31 Jan. 2026

Subject :- Collection Work of Household Garbage & Horticulture Waste at Labour Hutment - Garden Bay Crown, Lucknow.

Dear Sir,

With reference your offer for Collection Work of Household Garbage & Horticulture Waste at Labour Hutment - Garden Bay Crown, Lucknow for which labour rates are approved as under:-

S. No. Description	Unit	Rate	Qty	Amount(RS)	Chemicals to be used
1 Upto 15 Familles-Household Garbage collection Charges	Monthly	3000	V 12.00	36000.00	
Total Amour	it(in Rs.)		Mary Committee C	36000.00	

BILLING ADDRESS (In Favour of) - SHALIMAR KSMB PROJECT GARDEN BAY 11TH FLOOR TITANIUM BUILDING VIBHUTI KHAND **GOMTI NAGAR LUCKNOW.** 

#### Terms & Conditions :-

- You will ensure regular collection of trash/waste & Horticulture waste generated in Township.
- Collection will be done in all days excluding Sunday. (26 days in a month).
- 3 You will not be responsible for the waste lying other than collection point of Township.
- You will be responsible for scientifically disposal of waste according to guidelines issued by authorize govt body/UPPCB.
- Any violation & unscientifically disposal of waste is responsibility will lies with you.

For Shalimar KSMB Projects

(Authorised Signati

**Accepted By** 

Rama Shankar





Shalimar KSMB Projects

Titanium Shalimar Corporate Park, Vibhuti Khand, Gomti Nagar, Lucknow-226 010

Tel.: +91 522 4030444

www.shalimarcorp.com | www.ksmb.in

Date-17-04-24

To, Rama Shankar Badi Kheda, PO- Bhadnag Purwa, Dist. Unnao Uttar Pradesh-209825 PAN NO:HCSPS0825J Contact Person- Mr. Rama Shankar MOB- 8853300890

Work Order Period:- 01 Jan. 2024 to 31 Dec. 2024

Subject :- Collection Work of Household Garbage & Horticulture Waste at Shallmar KSMB Project (GARDEN BAY), Lucknow.

With reference to your offer and subsequent negotiation for Collection Work of Household Garbage & Horticulture Waste at Shalimar KSMB Proj Lucknow for which labour rates are approved as under:-

No Description	Unit Rate (94)   Quiration(		
A Lipto 30 Families 1 Household Garbage collection Charges		Amount (Rs)	émark
2 Horticulture Waste collection Charges	Nos. 8,000.00 12.00	96,000.00	\$14.00 E.S.
Last	Nos. 2,006.00 12.00	24:000.00	

BILLING ADDRESS (In Favour of) - SHALIMAR KSMB PROJECT GARDEN BAY 11TH FLOOR TITANIUM BUILDING VIBHUTI KHAND GOMTI NAGAR LUCKNOW.

- You will ensure regular collection of trash/ waste & Horticulture waste generated in Township.
- Collection will be done in all days excluding Sunday. (26 days in a month).
- You will not be responsible for the waste lying other than collection point of Township.
- You will be responsible for scientifically disposal of waste according to guidelines issued by authorize govt body/UPPCB. Any violation & unscientifically disposal of waste is responsibility will lies with you.

For Shallmar KSMB Projects

(Authorised Signatory) Date

Enclosure

1 Quotation by Rama Shanka

Accepted by

Rama Shankar

Sign Date

Shalimar KSMB Projects

Titanium Shalimar Corporate Park, Vibhuti Khand, Gomti Nagar, Lucknow-226 010

Tel::+91 522 4030444

www.shalimarcorp.com | www.ksmb.in

To,

Titanium Corporate Park, Vibhuti Khand, Lucknow.

Site- Crown Shalimar, KSMB, Lucknow.

Sub: -To collect Garbage and all the waste disposal of Crown Shalimar..

Sr. No.	Description	Amount
A)	Labour	3000/-
	Total	3000/-



Date-17-04-24

#### **WORK ORDER**

To, Rama Shankar Badi Kheda, PO- Bhadnag Purwa, Dist. Unnao Uttar Pradesh-209825 PAN NO:HCSPS0825J Contact Person- Mr. Rama Shankar MOB- 8853300890

Work Order Period:- 01 Jan. 2024 to 31 Dec. 2024

Subject :-Collection Work of Household Garbage & Horticulture Waste at Shalimar KSMB Project (GARDEN BAY), Lucknow.

With reference to your offer and subsequent negotiation for Collection Work of Household Garbage & Horticulture Waste at Shalimar KSMB Project (GARDEN BAY),

Si.					orticaliture waste a	t Shalimar KSMB Project (GARDEN BAY),
	Upto 50 Families	Unit	Rate (Rs)	Duration( months)	Amount (Rs)	Remark
2	Household Garbage collection Charges Horticulture Waste collection Charges	Nos.	8,000.00	12.00	96,000.00	-
		Nos.	2,000.00	12.00	24,000.00 <b>120,000.00</b>	
RITTI	BILLING ADDRESS (in Favour of) - SHALIMAD (COLD					

BILLING ADDRESS (In Favour of) - SHALIMAR KSMB PROJECT GARDEN BAY 11TH FLOOR TITANIUM BUILDING VIBHUTI KHAND GOMTI NAGAR LUCKNOW. Terms & Conditions :-

- You will ensure regular collection of trash/ waste & Horticulture waste generated in Township.
- Collection will be done in all days excluding Sunday. (26 days in a month).
- You will not be responsible for the waste lying other than collection point of Township.
- 4 You will be responsible for scientifically disposal of waste according to guidelines issued by authorize govt body/UPPCB. Any violation & unscientifically disposal of waste is responsibility will lies with you.

For Shalimar KSMB Projects

(Authorised Signatory) Date

Enclosure

1 Quotation by Rama Shankar

Accepted by

Rama Shankar

Sign Date





**Shalimar KSMB Projects** 

Titanium Shalimar Corporate Park, Vibhuti Khand, Gomti Nagar, Lucknow-226 010

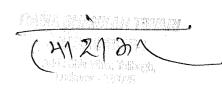
Tel.: +91 522 4030444

www.shalimarcorp.com | www.ksmb.in

# RAMA SHANKAR

Add: Badi Kheda, PO- Bhadnag Purwa, Dist.- Unnao- 209825

Ref. No	Quotation	1	Date 17 \ \
TO 1			
Shalimar KSM	B Projects		
Site - Garden	J.		
Sub: Rate of			
Was	te.	KS 10000 P-	er month,



#### **Bank Account Details**

Name- Rama Shankar Bank - Bank of Baroda A/C No- 55540100003650 IFSC- BARB0PURWAX Mobile No- 8853300890

Date: 31) 8 24

Address: Shalimar KSMB ResidetsWelfare Association, IIM Road, Lucknow Party Name: Shalimar KSMB ResidetsWelfare Association, IIM Road, Lucknow.

Sr.	Particulars	Qty.	Rate	Amount
1.	Solid Waste User Charges	1	8,000/-	8,000.00
	Horticulture waste			
	Total			8,000.0

Rupees Eight Thousand Only

Rama Shankar

Bank of Baroda

Acc No. 55540100003650

IFSC- BARBOPURWAX

Mobile No. 8853300890

RAMA SHANKAR

Add: Shiry Vithar, Tell Lucknow - 22600

of reed unfu winder

Date: 30 7 7 74

Address: Shalimar KSMB Residets Welfare Association, IIM Road, Lucknow Party Name: Shalimar KSMB Residets Welfare Association, IIM Road, Lucknow

Sr.	Particulars	Qty.	Rate	Amount
1.	Solid Waste User Charges	1	25,000/	25,000.00
	Total			25,000.00

Rupees Twenty Five Thousand Only

Rama Shankar Bank of Baroda Acc No. 55540100003650 IESC- BARBOPURWAX Mobile No. 8853300890

RAMA BUSINESS TOWARD

Total ben Verif

Date: 30/7/24

Shalimar KSMB ResidetsWelfare Association, IIM Road, Lucknow

Party Name: Shalimar KSMB ResidetsWelfare Association, IIM Road, Lucknow.

		Tarana I	Rate	Amount
	Particulars	Qty.	Rate	
Sr.	Solid Waste User Charges	1	8,000/-	8,000.00
	Horticulture waste			

Contensation the Rate Cuill be 700
Rupees Eight Ihousand Only
my as pen Consulation = 1200

Rama Shankar

Bank of Baroda

Acc No. 55540100003650

IFSC- BARBOPURWAX

Mobile No. 8853300890

Ludines - 225025

pate: 30/6/24

Address: Shalimar KSMB Residets Welfare Association, IIM Road, Lucknow Party Name: Shalimar KSMB Residets Welfare Association, IIM Road, Lucknow

Sr.	Particulars	Qty.	Rate	Amount
1-	Solid Waste User Charges	1	25,000/-	25,000.00
Ì	Total			25,000.0

Jec P.M.)

Rupees Twenty Five Thousand Only

Bank of Baroda

Rama Shankar

Acc No. 55540100003650

IFSC-BARBOPURWAX

Mobile No. 8853300890

A STEADER

And the both his his

Date: 31 10 24

Address: Shalimar KSMB ResidetsWelfare Association, IIM Road, Lucknow Party Name: Shalimar KSMB ResidetsWelfare Association, IIM Road, Lucknow.

Sr.	Particulars	Qty.	Rate	Amount
1.	Solid Waste User Charges	1	8,000/-	8,000.00
	Horticulture waste			
	Total			8,000.00

Rupees Eight Thousand Only

Luckno. - 226026

Rama Shankar

Bank of Baroda

Acc No. 55540100003650

IFSC- BARBOPURWAX

Mobile No. 8853300890

Date: 30/11/2024

Address: Shalimar KSMB Residets Welfare Association, IIM Road, Lucknow Party Name: Shalimar KSMB Residets Welfare Association, IIM Road, Lucknow

Sr.	Particulars	Qty.	Rate	Amount
1.	Solid Waste User Charges	1	25,000/-	25,000.00
	Total			25,000.

Rupees Twenty Five Thousand Only

Rama Shankar Bank of Baroda Acc No. 55540100003650 IFSC- BARBOPURWAX Mobile No. 8853300890



Date: 31/10/24

Address: Shalimar KSMB Residets Welfare Association, IIM Road, Lucknow Party Name: Shalimar KSMB Residets Welfare Association, IIM Road, Lucknow

Sr.	Particulars	Qty.	Rate	Amount
1.	Solid Waste User Charges	1	25,000/-	25,000.00
	Total			25,000.0

06/11/14 Rupees Twenty Five Thousand Only

Rama Shankar Bank of Baroda Acc No. 55540100003650 IFSC- BARBOPURWAX Mobile No. 8853300890

RAM SHON KURTIWARI

Date:30/11/2024

Address: Shalimar KSMB ResidetsWelfare Association, IIM Road, Lucknow Party Name: Shalimar KSMB ResidetsWelfare Association, IIM Road, Lucknow.

Partic	culars	Qty.	Rate	Amount
Solid Waste User	Charges	1	8,000/-	8,000.00
Horticulture wa	aste			
				8,000.00
	Total			

Rupees Eight Thousand Only

Rama Shankar Bank of Baroda Acc No. 55540100003650 IFSC- BARBOPURWAX Mobile No. 8853300890 RAMA SHANKAR TIWA.

EN SRINGER

And Stru Vibst Telibagh.

Ludgion - 275025

Date: 30 9 24

Address: Shalimar KSMB ResidetsWelfare Association, IIM Road, Lucknow Party Name: Shalimar KSMB ResidetsWelfare Association, IIM Road, Lucknow.

Sr.	Particulars	Qty.	Rate	Amount
1.	Solid Waste User Charges	1	8,000/-	8,000.00
	Horticulture waste			
	Total			8,000.00

03/10/24

Rupees Eight Thousand Only

Rama Shankar Bank of Baroda Acc No. 55540100003650 IFSC- BARBOPURWAX

Mobile No. 8853300890

RAMA SHANKAR TIWARI

ENTERPRISES

Jucknow - 226025

Date: 30 9 2 1

Address: Shalimar KSMB Residets Welfare Association, IIM Road, Lucknow Party Name: Shalimar KSMB Residets Welfare Association, IIM Road, Lucknow

Sr.	Particulars	Qty.	Rate	Amount
1.	Solid Waste User Charges	1	25,000/-	25,000.00
	Total			25,000.0

Rupees Twenty Five Thousand Only

Rama Shankar Bank of Baroda Acc No. 55540100003650 IFSC- BARBOPURWAX Mobile No. 8853300890

03/10/24

RAMONE HANKAR THVA

Section of Residency, Strategical Control of Res. Enteresting, Strangers - Excellent Long House, Colombia, Long-Review, Col.

#### NOTING SHEET

Date 05/09/2024

MARIA SHANKAR TIWARI ENTERPRISES, invoice/ bill no., dated 31/08/2024 for Rs.8000 on account of the MRVK (Hortis fatory waste collection) for the month of August-24 is placed opposite

holders been checked and found correct as per the terms and conditions of the agreement.

whiled that payment of the above bill may please be made as per the details given below -

pp in Name	PAN	TAXABLE AMOUNT	101 (1 (.51 (C.S.1-3), S1 A (6.S.1)	Bill Amount	TOS	Other deduction s	Net payable
MICSHANKAR REENTERPRISES	o	8,000.00		8,000.00		1,000.00	7,000.00

Amount in word - Rupees Seven Thousand Only

is for the approval please.

Jecution 200 109 124

rer kindly clear the payment to the vendor.

Ament Bardvide 10: 4250 15009 271



## Arora, KunalS

La chimkertamatiwama gmail com Landen Bay Residents Lucknow, Kant, Sashi THE 15 PM View less

Dear Mr Tiwan.

Ref to meeting held on dated 29th Dec 23 , regarding new greement with Shalimar GardenBay RWA from January 24 onwards, during decussion it was finalized that you will charge Rs 25000/- per month for HK and Horticulture garbage collection.

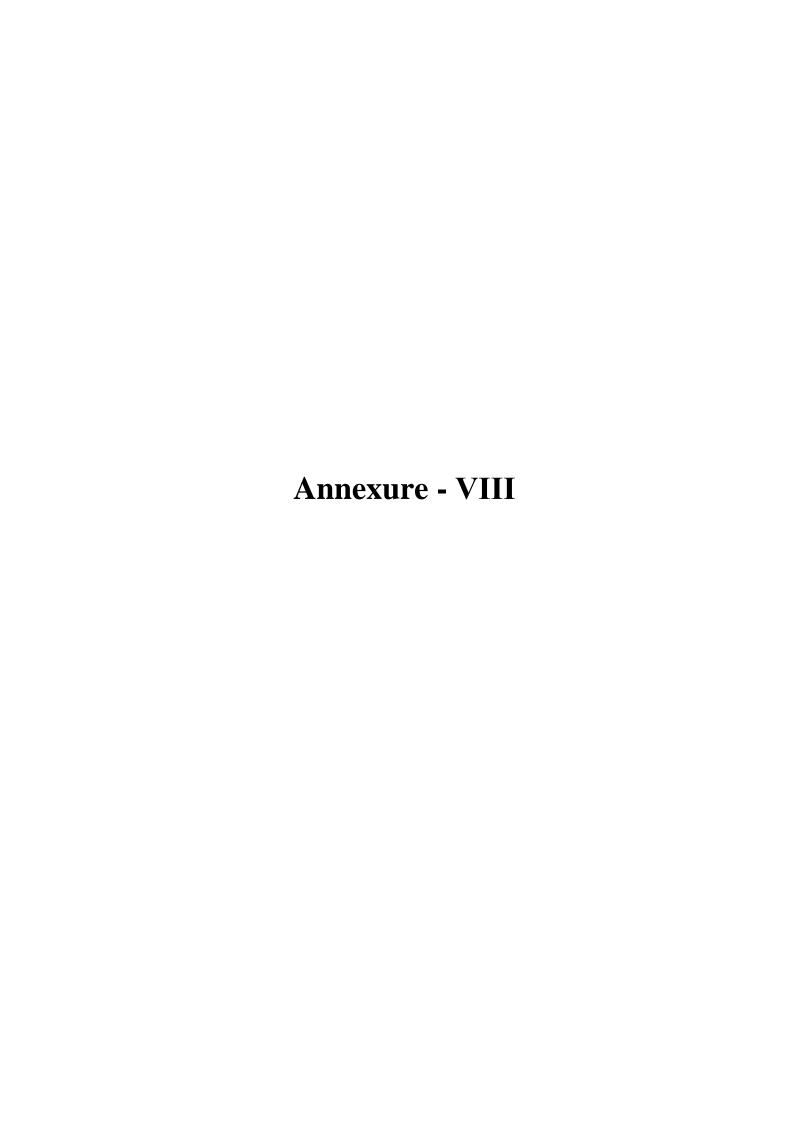
kindly share your quotation so that work can be proceed further.

Thanks & Regards,

Kunal Arora Property Manager Shalimar Garden Bay Jones Lang LaSalle

Lucknow

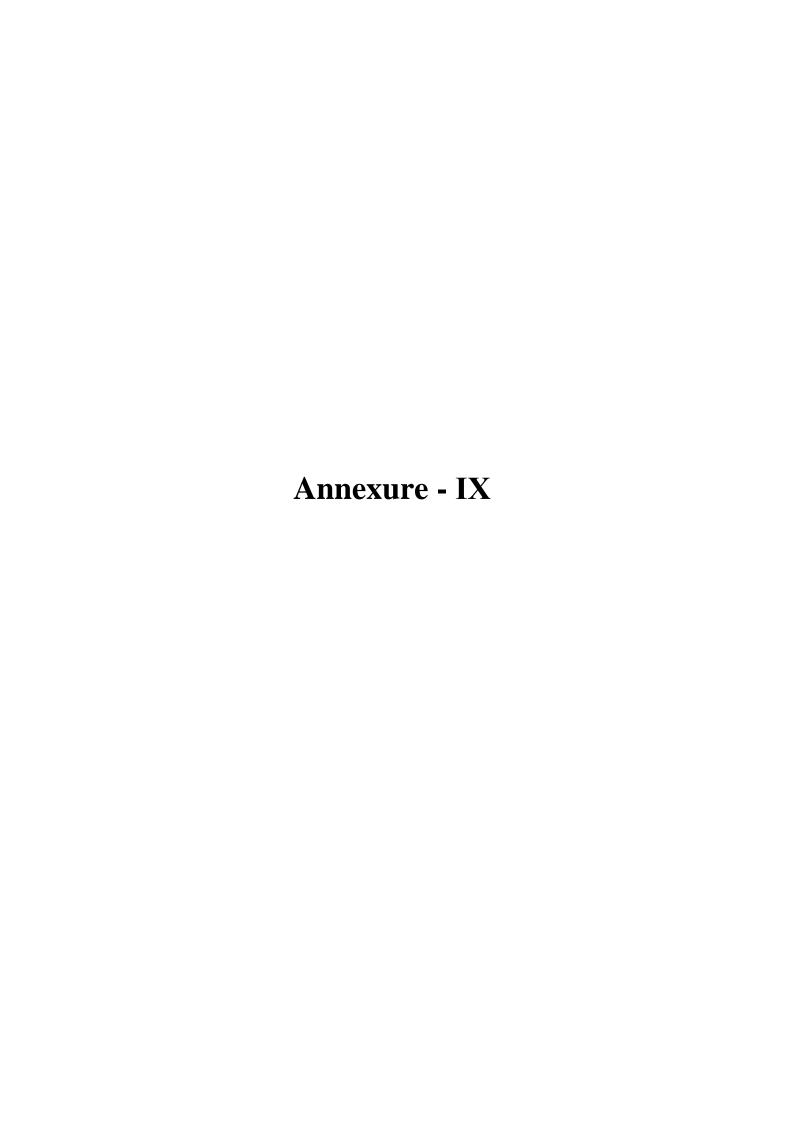
The above contract is extended till reforming same



## **Dust Dispersion Measures**







## **Plantation Photographs**





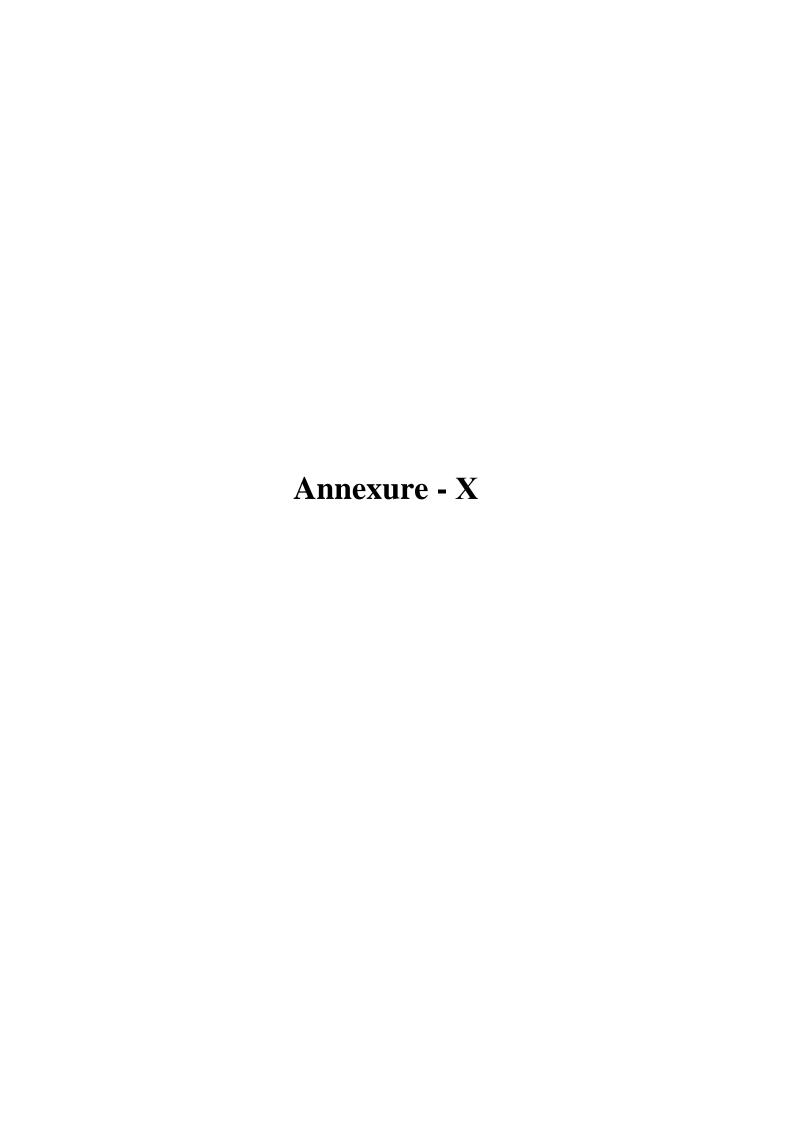




## Shalimar GardenBay (Shalimar KSMB Projects)

## Trees

S.no	Name of Plants	Plantation Done in No's.
1	Spider Lilly	200000
2	Hlmellya Pentas	150000
3	Anarml	150000
4	Calendra	83000
5	Zafranshes Lilly	31000
6	Fistula	20000
7	B0ttle Palm	500
8	Fomrail Palm	15000
9	Flcus	1500
10	Champs	1500
11	Gulmohar	1000
12	Gurhal	100000
13	Tikoma	50000
14	Exora Draf	9173
15	Panda	20000
16	Golden Bamboo	50000
17	Bahuniya Blackena	5000
18	Silver Rock	1000
19	Forbia Mini	20000
	Total	908673







### भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

Mohd. Kareem Farooqui Director of M/s Shalimar KSM

Date: 20-01-2016

Titanium Block Shalimar Corporate Park Vibhuti Khand Gomti Nagar Lucknow

#### System Generated Auto Assessment for Height Clearance

1. Airports Authority of India (AAI) in pursuance of responsibility conferred by and as per the provisions of Govt. of India (Ministry of Civil Aviation) order GSR 751 (E) dated 30th Sep. 2015 for Safe and Regular Aircraft Operations has assessed the site data filled by the applicant.

2. Assessment details for Height Clearance:

NOCID:

LUCK/NORTH/B/012016/109551

Applicant Name:

Brijesh Kumar Sharma

Type of Structure:

Building

te Address:

Garden Bay

Site Coordinates:

80 52 59-26 55 22, 80 53 00-26 55 24, 80 53 05-26 55 14, 80 53 05-26 55 20, 80 53 06.0-26

55 14.0,

Site Elevation AMSL in 111 M Mtrs as Submitted by

Applicant:

Your site is located at a distance 17820 mts from ARP and lies in the grid E13 of the published CCZM of Lucknow airport. The Permitted top elevation for this grid is 270 mts.

Since the requested top elevation 155 mts in AMSL is below CCZM permitted top elevation, the NOC for height clearance is not required from Airports Authority of India.

3. This assessment is subject to the terms and conditions as given below:

The site-elevation and site coordinates provided by the applicant are taken for calculation of the permissible top elevation for the proposed structure. If,however, at any stage it is established that the actual data is different from the one, provided by the applicant, this NOC will become invalid.

- b. The assessment is further subject to the provisions of Section 9-A of the Indian Aircraft Act, 1934 and any notifications issued there under from time to time including the Aircraft(Demolition of Obstruction caused by Buildings and Trees etc.) Rules, 1994.
- c. The applicant is responsible to obtain all other statutory clearances from the concerned authorities including the approval of building plans. This assessment for height is to ensure the safe and regular aircraft operations and shall not be used as document for any other purpose/claim whatsoever, including ownership of land etc.
- d. This assessment has been issued w.r.t. the Civil Airports as notified in GSR 751(E). Applicant needs to seek separate NOC from Defence, if the site lies within jurisdiction of Defence Airport.

राजीव गांधी भवन

सफदरजंग हवाई अड्डा नई दिल्ली-110003

Safdarjung Airport, New Delhi-110003

Page 1/2 दरभाष: 24632950

Phone: 24632950

Rajiv Gandhi Bhawan





## भारतीय विमानपत्तन प्राधिकरण AIRPORTS AUTHORITY OF INDIA

This assessment is system auto generated and thus does not require any signature

Designated Officer

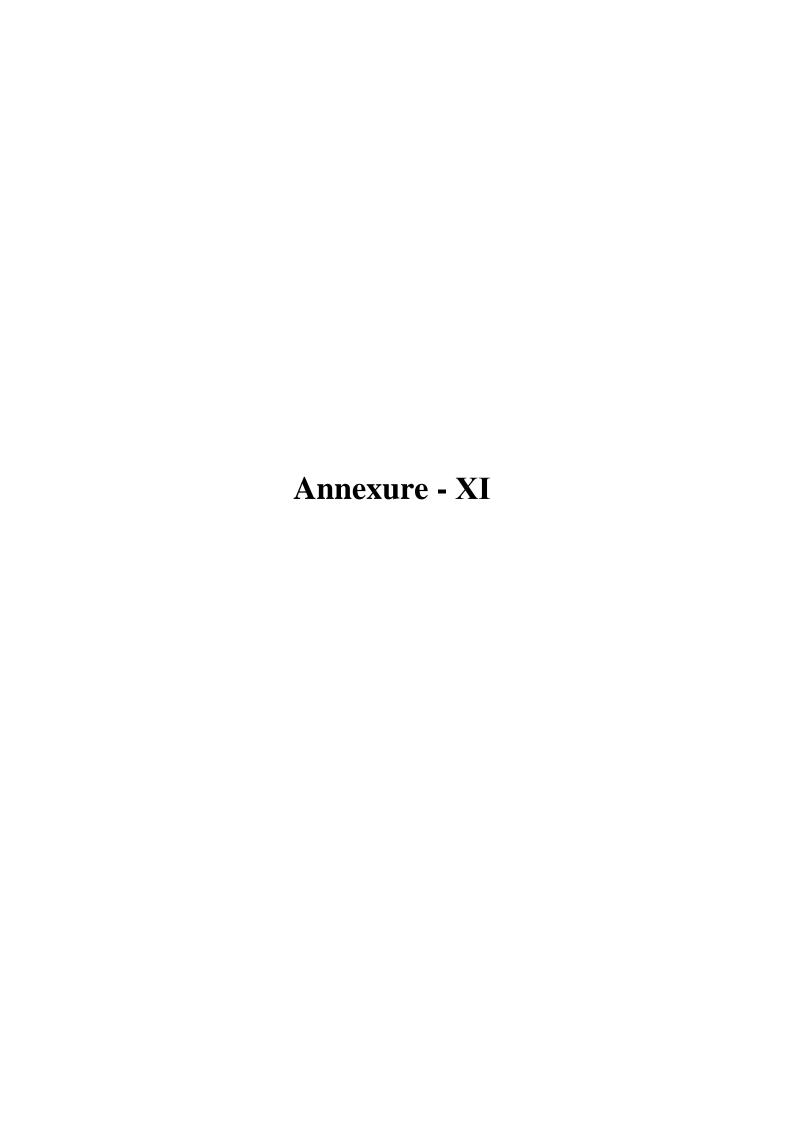
Region Name: NORTH

Address: General Manager Airports

Authority of India, Regional Headquarter, Northern Region, Operational Offices, Gurgaon Road, New Delhi-110037

Email ID: noc\_nr@aai.aero

Contact No: 011-25653551

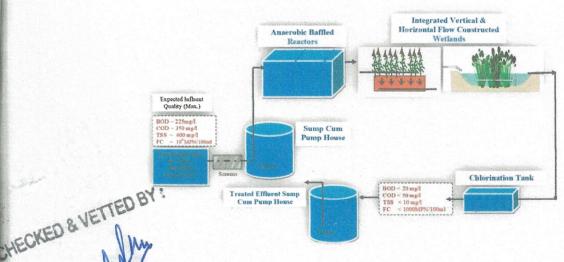




## **Lucknow Development Authority**

Lucknow

## A REPORT ON **850 KLD SEWAGE TREATMENT PLANT AT** SHALIMAR-KSMB GARDEN BAY Hardoi Link Road, Lucknow



Flow Scheme of the STP at Garden Bay, Lucknow

A project by:

Aligam 202002 (4.P.) INDIA **IMAR KSMB PROJECTS** 

SHALIMAR TITANIUM VIBHUTI KHAND GOMTI NAGAR **LUCKNOW -226010** 

**Technical Consultants** 

I. Ph.D.

UrbanPlan Consulting & Engg. Pvt. Ltd. 106, 107 Nikhat Plaza Centre Point Complex, Samad Road ALIGARH 202001 UP Email: urbanplanpvtltd@gmail.com



# **Table of Content**

1.0	Abo	ut the Project	1
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	2.1	Wastewater Flow	1
	2.2	Philosophy of the Technology Choice	2
	2.3	Design Approach	3
	2.4	Details of the STP	3
	25	Drocecc Flow Scheme	

CHECKED & VETTED BY:

Nadeen Johnston Johnston

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### List of Abbreviations

ABR Anaerobic Baffled Reactor BOD Biochemical Oxygen Demand

**CPHEEO** Central Public Health & Environmental Engg.

Organization

COD Chemical Oxygen Demand **CWs** Constructed Wetlands

FC Fecal Coliform

GOUP Government of Uttar Pradesh HDPE High-Density Polyethylene HF-CW Horintal Flow Wetlands

KLD Kilo Litres Per Day

KV Kilo Volts KW Kilo-Watts

LPCD Litres Per Capita per Day

Mild Steel MS

MPN Most Probable Number

M & O Operation and Maintenance RCC Reinforced Cement Concrete SPS Sewage Pumping Station STP Sewerage Treatment Plant TSS **Total Suspended Solids** TKN Total Kieldahl Nitrogen

TP **Total Phosphorus** 

Vertical Flow Wetlands ED BY. VF-CW

> Khelil, Ph.D. Aligama 202002 (U.P.) NUDIA

### About the Project

SHALIMAR KSMB GARDEN BAY, a 72 Acre Township having villas,

apartments, plots, and group-housing shall house an estimated 1000+ Families. It is a Real Estate Project on a JV basis by the Shalimar Corp. Ltd & KSM Bashir Mohd. & Sons at Hardoi Link Road, Lucknow. The project was started in early 2014 and about to be completed by 2019. Both the firms are one of the leading companies in the Real-estate sector that believes in delivering quality work and are always committed for the conservation of natural resources and environment.

Taking into consideration this fundamental ethics of the JV, comply regulatory norms, and more importantly, the need of today's growing environmental challenges, following are some of the measures that have been taken to address the environment and conservation of natural resources in their project on a sustainable approach basis. The foremost aspect of any housing project is to deal with efficiently the wastewater, its reuse after proper treatment, and rain water harvesting system.

### 2. Sewage Treatment Plant

#### 2.1 Wastewater Flow

The capacity of the SEWAGE TREATMENT PLANT (STP) at the Garden Bay Housing Project has been evaluated based on the wastewater flow that shall be generated cumulatively from the villas, apartments and individual dwellings/plots and other utilities. The details of the houses/families in different phases of the project are given in **Table** 

1.

As per the LDA norms and guidelines of the CPHEEO, the average water supply rate is taken as 130lpcd for cities having population more than 10 lacs.

Table 1: Details of the Villas, Plots, Apartments and others

S.No.	Туре	Number	Persons
1	Villas Phase-I	340	1700
2	Villas Phase-II	200	1000
3	Villas Phase – III	70	350
4	Individual Plots	115	575
5	Flats in the High Rise Building	463	1510
6	LIG	114	570
7	EWS	114	570
	Total		7080
8	Water Supply Rate, Ipcd	130	
9	Interception Factor	0.75	
Total Wastewater Flow		690 KLD	

The STP has been designed to cater population upto 8000 which may generate flow of 780 KLD. However, the plant has been designed for 850KLD of flow, with population equivalent to 8700.

### 2.2 Philosophy of the Technology Choice

The corner-stone of our philosophy towards the technology choice is its SUSTAINABILITY. We believe that any developmental project should address the green concept and must be sustainable concerning its longevity, hassle-free operation & maintenance and make a more societal impact.

The domestic wastewater (sewage) within the Garden Bay housing complex from its different households shall flow into the underground sewerage network. It will collect and convey the entire sewage at one point/place where the facility for its treatment is provided. The

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underground sewerage network has been designed and laid in such a way that the pumping is minimally required.

The technology for sewage treatment plant at Garden Bay has been decided after careful considerations and due diligence. It is the stateof-the-art "Wetlands" technology that has been adopted for this STP. This concept of Wetlands Technology is eco-friendly, sustainable, and already proven in many countries, including India. The Wetlands Technology is highly-efficient, produces high effluent quality effluent, requires no energy and offers hassle-free operation and maintenance. It doesn't produces any kind of odor or vectors. Instead, it gives a very nice aesthetic view and landscape.

In India, AMU, NEERI, and other technical institutions have done remarkable achievements in this field. In one of the major R&D projects "SWINGS" under Indo-Euro Water Technology Programme (FP7 Framework) supported by the Government of India and European Commission, UPPL was also involved as SME partners wherein Wetlands Technology for municipal wastewater treatment, reuse and recycle. This project has successfully demonstrated the modified concept of wetlands technology at AMU Aligarh.

#### **Design Approach** 2.3

The design of the Sewage Treatment Plant at Garden Bay has been carried out while keeping the aim to fully use the treated water for gardening, toilet flushing, and horticulture. The landscape/ green area of the Garden Bay is approx 24 acres, which according to the estimate may consume 50-60% of the recycled water from the be used in water bodies, cleaning of roads/and washing and other site related activities during the construction of the second phase.

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### 2.4 Details of the STP

The flow rate and wastewater quality are the prime design considerations for any STP. Based on the similar townships completed by Shalimar Group and information gathered from various sources, **Table 2** gives the wastewater quality that has been used for the design purpose.

Table 2: Wastewater Flow and Characteristics for design purpose

Parameter	Value
Flow, KLD	850
BOD, mg/l	225
COD, mg/l	350
TSS, mg/l	400
Feacal Coliform, MPN/100ml	$2.3 \times 10^{6}$

#### Treated Effluent:

BOD < 10 mg/l TSS < 20 mg/l

Feacal Coliform < 1000 MPN/100ml

#### The treatment units at Garden Bay are:

- 1. Screens
- 2. Sump Cum Pump House
- 3. Anaerobic Baffled Reactors
- 4. Vertical Flow Constructed Wetlands
- 5. Horizontal Flow Constructed Wetlands
- 6. Chlorination Tank
- 7. Treated Effluent Sump Cum Pump House

The flow diagram of the STP at Garden Bay is given in Figure 1.

ECKED & VETTED BY:

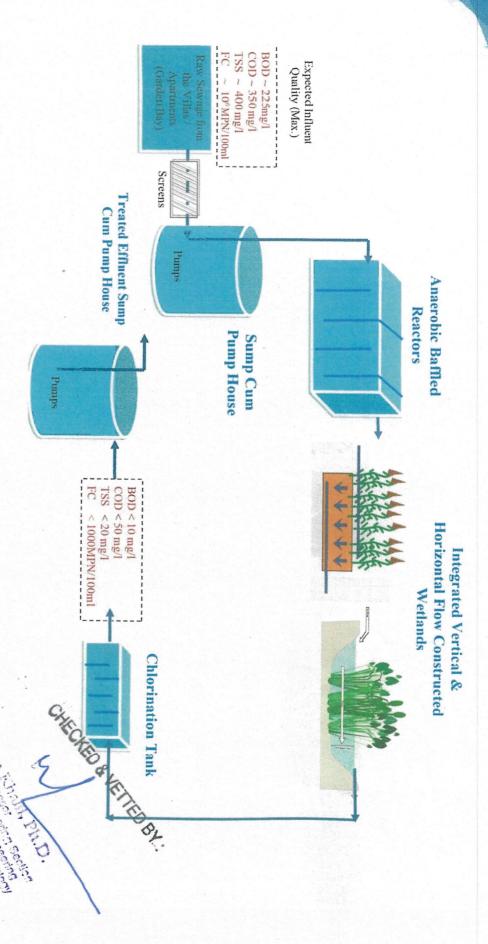


Figure 1: Process Flow Scheme for the Sewage Treatment Plant at Garden-Bay Housing Project Sitapur Road, Lucknow, UP

Material of Construction - RCC





Pictures of the STP during its Construction and Commissioning Stages at Garden Bay Project
Site, Lucknow CHECKED

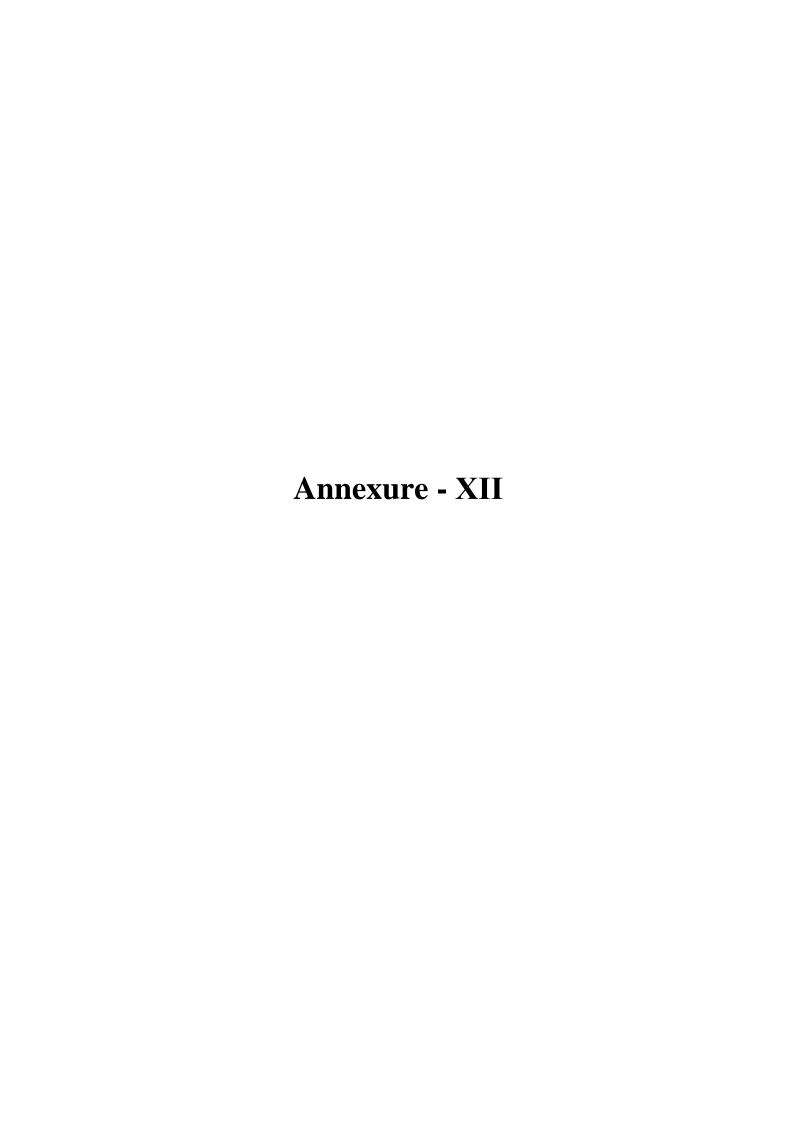
#### 2.5 Process Flow Scheme

The wastewater from the villas, plots and group housing shall be collected in the underground sewerage network and conveyed to the STP. Firstly, it will be screened (manually) for the removal of small objects, floatable items like wrappers, plastic, etc. After screening, the wastewater is allowed to enter into a sump house from where it shall be pumped to the anaerobic baffled reactors (ABRs). There are 06 ABRs in series, each having average size of 4m x 6m and 3.85 m deep. In the ABRs, the wastewater shall be subjected to the settlement of the solids and degradation of the organic matter anaerobically. After ABRs, the effluent shall enter into Vertical Flow Wetlands (VF-CW) by gravity. The VF-CW is 1m deep tank that shall have filtering media and emergent vegetation to further treat the effluent. The size of the VF-CW is 16m x 6m. It works on the principle of natural process of treatment. After VF-CW, the effluent shall enter into horizontal flow Wetlands (HF-CW). There is a series of HF-CW tanks (11 nos.) each having an average size of 4m x 2.85m. The depth of the HF-CW is kept as 0.7m, filled with media and emergent plants (vegetation). The treated effluent after this step of the process shall be clean and crystal clear. However, it may require further treatment to kill the pathogens. For this reason, chlorine contact tank has been provided with 30 minutes contact time. After chlorination, the treated effluent shall be conveyed to the storage tank from where it shall be pumped for use within the Garden Bay area as discussed above.

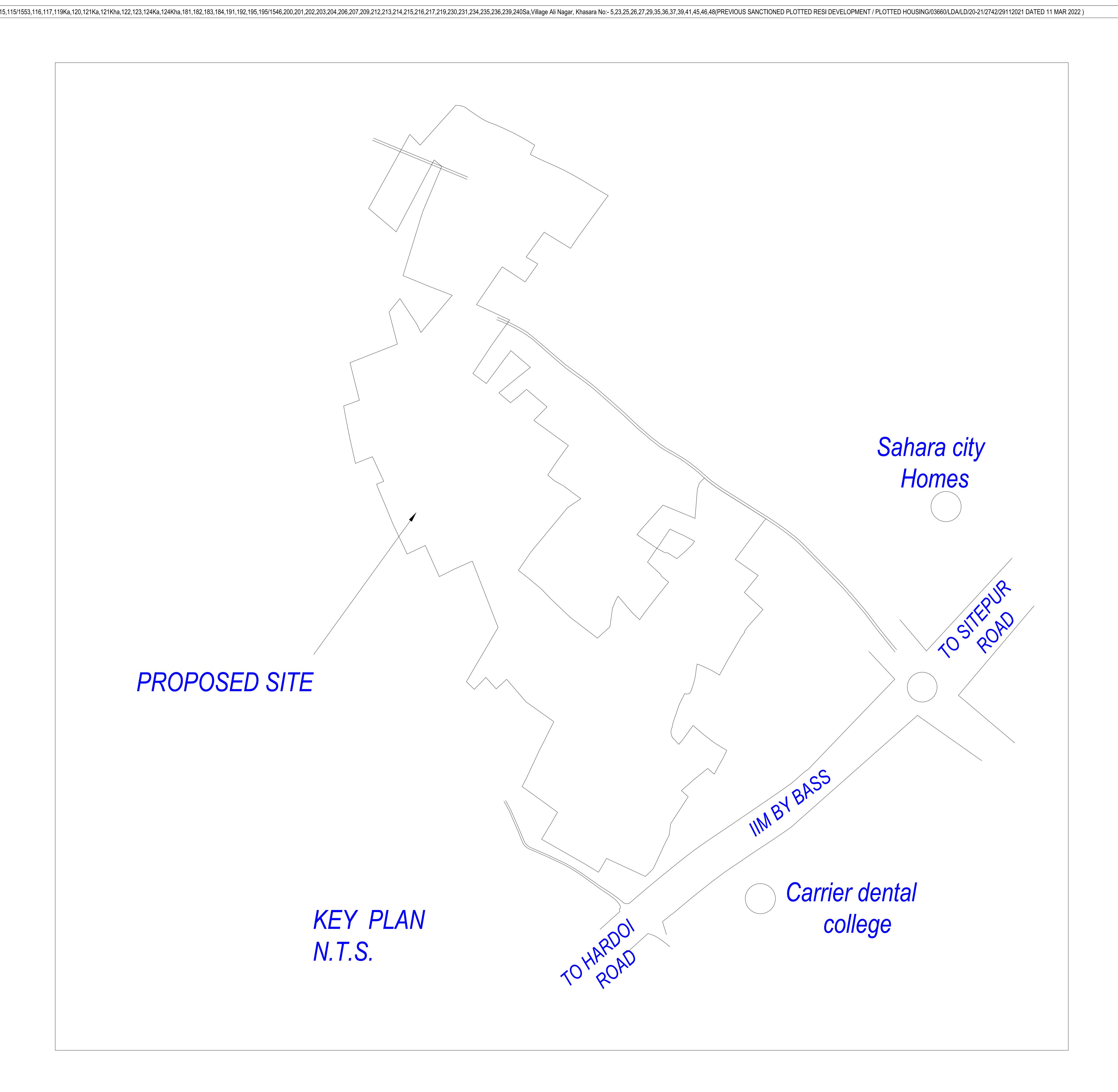
# **STP Photographs**











Project Title :PROPOSED REVISED SITE PLAN (GHAILA TOWNSHIP) Village: Ghaila & Alinagar, Lucknow for Shalimar KSMB Village Ghaila, Khasara No:- 2,3,4,5,6,7,12,13,14,23,24,25,27,31,32,87,88,89,89/1594,90Ka,91Ka,91Ka,91Ga,91Gha,92,93,94,95,96,97, 108,110,114,115,115/1553,116,117,119Ka,120,121Ka,

Plot Use: Residential
Plot SubUse: Plotted Resi development / Plotted

Development Area: Undeveloped Area
SubDevelopment Area: Village Area
Special Project: NA
Site Address:

Rajesh Sharma (Junior engineer)

Shiv Kumar (Junior engineer)

Nagendra Singh (Assistant Engineer)

Nitin Mital (Chief Town Planner)

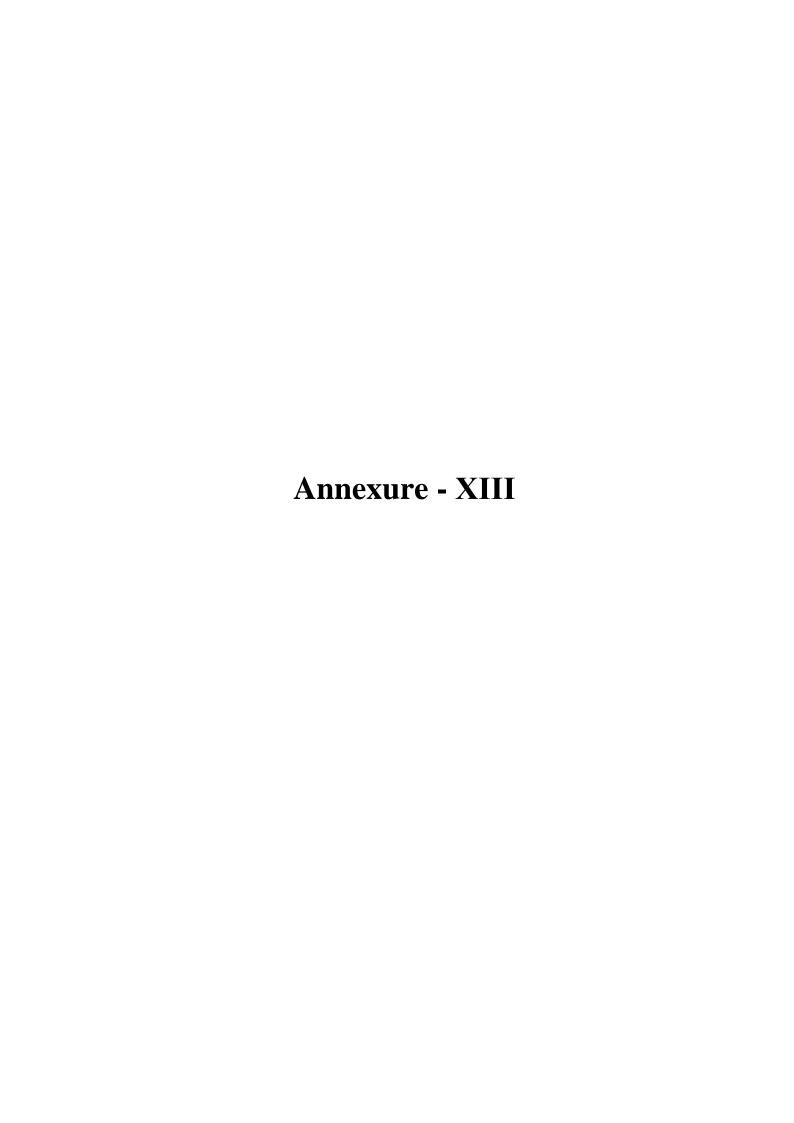
Bhupendra Veer Singh (Executive engineer)

Total FAR Area: - .0

The correctness and accuracy of Proposal Information and drawing is a responsibilty of POR/owner. Accuracy of Scrutiny Report is subject to accuracy of end-user provided data, 3rd party software/hardware/services, etc. SoftTech Engineers Ltd. is not liable for any damages which may arise from use, or inability to use the Application. Texts printed in 'Italics' and 'Blue' color are user inputs, which are not verified and not generated by scrutiny software/hardware/services, etc.

Note: - 1) This drawing is prepared as per the current prevailing Building Bye Laws.

2) If Map sanctioned is used for purpose anything other than stated in application will lead to rejection of Map. ISO\_full\_bleed\_4A0\_(1682.00\_x\_2378.00\_MM)



अधिकारी,

लखनऊ।

पत्र संख्या-सीएफओ-मेमो /एफएस-2023 सेवामें,

दिनांकःफरवरी 11 ,2023

प्रबन्धक/स्वामी,

Shalimar KSMB Projects, शालीमार कार्पोरेट पार्क, विभूतिखण्ड, गोमतीनगर, लखनऊ।

कृपया अपने पत्र संख्या-KSMB/Fire/2023/68, दिनांक 08.02.2022 का सन्दर्भ ग्रहण करें, जिसके द्वारा अवगत कराया गया है कि यूआईडी संख्या-UPFS/2023/72950/LCK/LUCKNOW/3786/JD दिनांक 07.02.2023 द्वारा भूखण्ड संख्या-जी0एच0-02 (खसरा संख्या-233 से 238 के पार्ट), ग्राम घैला व अलीनगर, आईआईएम रोड, लखनऊ पर प्रस्तावित Shalimar KSMB Projects हेतु ऑन लाइन प्रोविजनल अनापत्ति प्रमाण पत्र निर्गत किया गया था, जिसमें त्रुटिवश कम्पनी का नाम Shalimar KSMB Projects के स्थान पर Garden Bay Crown नाम लिख गया है तथा कवर्ड एरिया 39488.93 के स्थान पर 37640.63 लिख गया है।

अतः उक्त भवन हेतु यूआईडी संख्या-UPFS/2023/72950/LCK/LUCKNOW/3786/JD दिनांक 07.02.2023 द्वारा भूखण्ड संख्या-जी0एच0-02 (खसरा संख्या-233 से 238 के पार्ट), ग्राम घैला व अलीनगर, आईआईएम रोड, लखनऊ पर कम्पनी का नाम-Shalimar KSMB Projects व कवर्ड एरिया 39488.93 समझा जाये।

(मंगेश कुमार) मुख्य अग्निशमनअधिकारी लखनऊ।

### प्रतिलिपिः

1- अग्निशमन अधिकारी, बी0के0टी0, लखनऊ को सूचनार्थ एवं आवश्यक कार्यवाही हेतु।

# प्रारूप-घ (संलग्नक-3) औपबन्धिक (प्रोविजनल) अनापत्ति प्रमाणपत्र

यूआईडी संख्या: UPFS/2023/72950/LCK/LUCKNOW/3786/JD

दिनांक:03-02-2023

प्रमाणित किया जाता है कि मैसर्स GARDEN BAY CROWN (भवन/प्रतिष्ठान का नाम) पता GH-02, KHASARA NO. 233P TO 238P,GARDEN BAY,O तहसील - LUCKNOW प्लाट एरिया 10336.12 sq.mt (वर्गमीटर), कुल कवर्ड एरिया 37640.63 (वर्गमीटर), ब्लाकों की संख्या 1 जिसमें

ब्लॉक/टावर	प्रत्येक ब्लाक में तलों की संख्या	बेसमेन्ट की संख्या	ऊँचाई
GARDEN BAY CROWN	20	1	66.60 mt.

है। भवन का अधिभोग मैसर्स GARDEN BAY CROWN द्वारा किया जायेगा। इनके द्वारा भवन में अग्नि निवारण एवं अग्नि सुरक्षा व्यवस्थाओं का प्राविधान एन०बी०सी० एवं तत्संबंधी भारतीय मानक ब्यूरो के आई०एस० के अनुसार किया गया है। इस भवन को औपबन्धिक अनापत्ति प्रमाणपत्र, एन०बी०सी० की अधिभोग श्रेणी Residential के अन्तर्गत इस शर्त के साथ निर्गत किया जा रहा है कि प्रस्तावित भवन में अधिभोग श्रेणी के अनुसार सभी अग्निशमन व्यवस्थाओं के मानकों का अनुपालन पूर्ण रूप से किया जायेगा तथा भवन के निर्माण के पश्चात भवन के अधिभोग से पूर्व अग्नि सुरक्षा प्रमाण पत्र प्राप्त किया जायेगा। ऐसा न करने पर निर्गत प्रोविजनल अनापत्ति प्रमाणपत्र स्वतः ही निरस्त मान लिया जायेगा, जिसके लिए मैसर्स GARDEN BAY CROWN अधिभोगी पूर्ण रूप से जिम्मेदार होगा/होगें।

**Note:** In view of the recommendation reports of DDand CFO. The NOC is being issued - Construction of building as per concerned by laws regarding compartmentation/pressurization, provision of expended basement , smoke management system etc, and all fire fighting system must be installed as per "Residential- A4" category as mention in NBC-2016. Final NOC must be taken from fire department before start/occupy the building

<u>"यह प्रमाण-पत्र आपके द्वारा प्रस्तुत अभिलेखों , सूचनाओं के आधार पर निर्गत किया जा रहा है | इनके असत्य पाए जाने पर निर्गत प्रमाण-पत्र मान्य नहीं होगा | यह प्रमाण-पत्र भूमि</u>
/ भवन के स्वामित्व / अधिभोग को प्रमाणित नहीं करता है |"

हस्ताक्षर (निर्गमन अधिकारी)

Digitally Signed By (AMAN SHARMA)

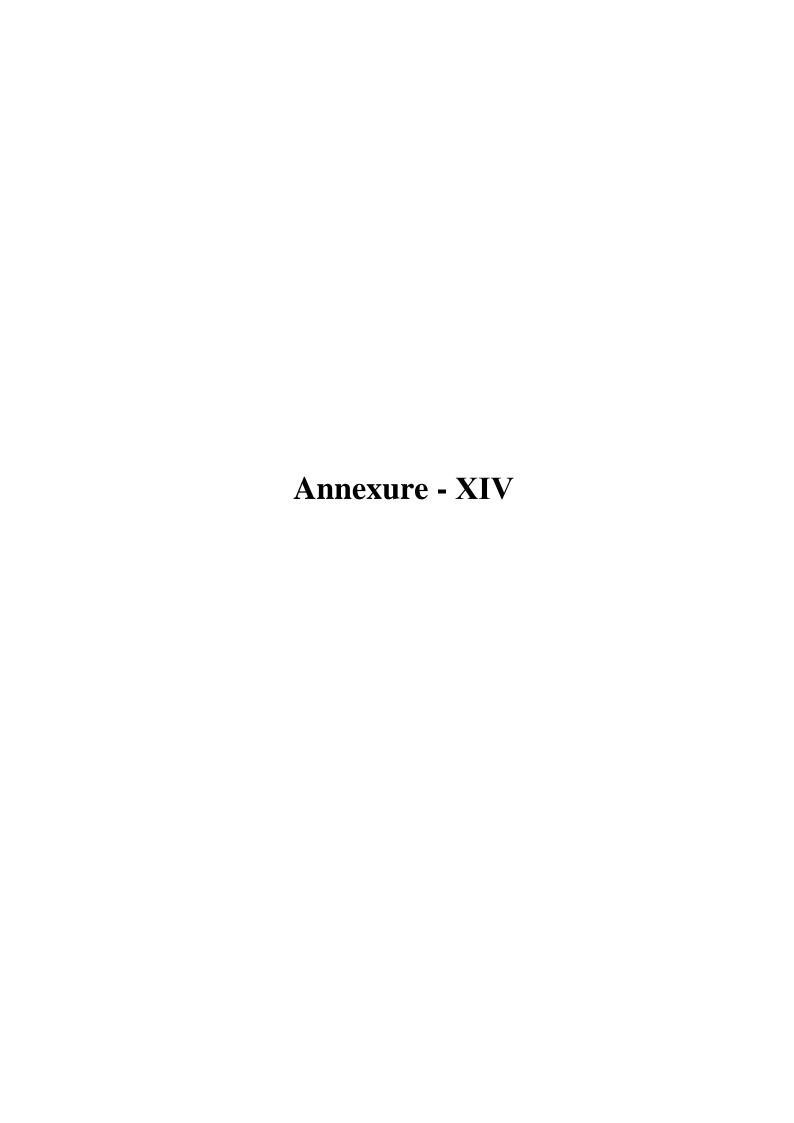
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07-02-2023

निर्गत किये जाने का दिनांक: 07-02-2023

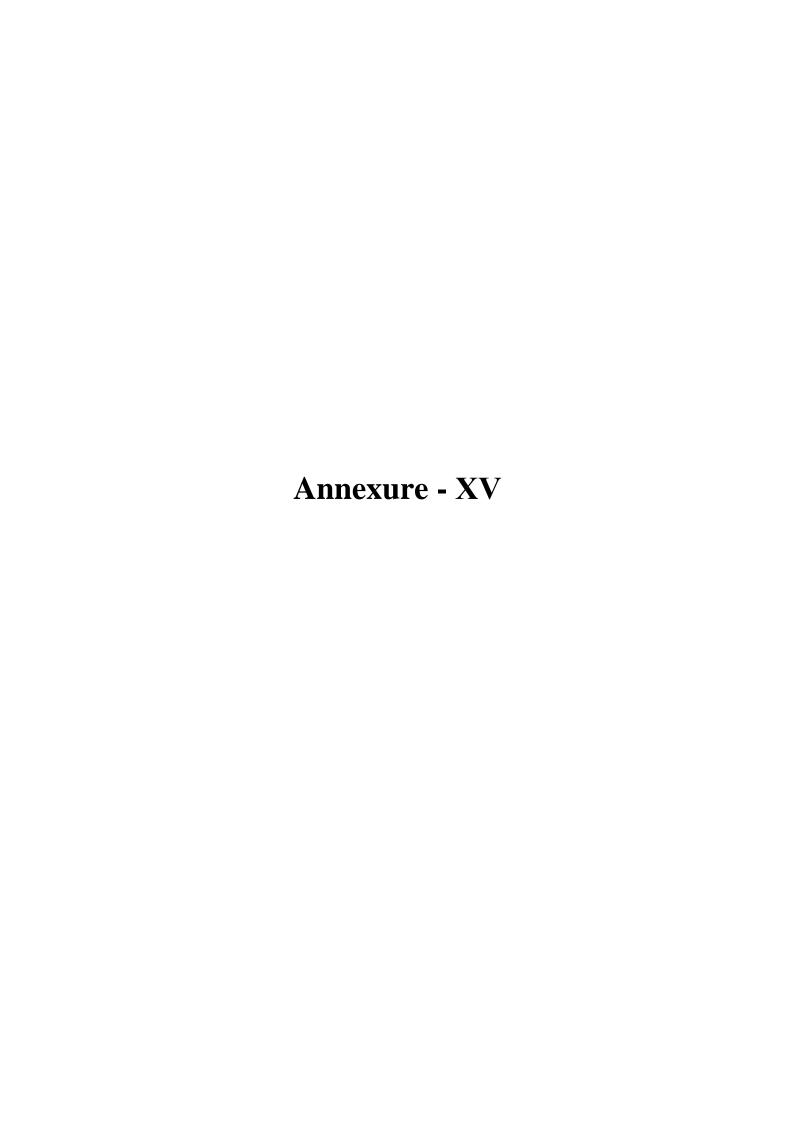
स्थान : LUCKNOW

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# **Solar Panel**





### **Construction Waste Generation And Management Plan**

It is quantified that approximate following quantities of different type of construction waste would be generated, which if not managed properly can adversely impact the existing environmental condition of the area.

Table: Quantification of construction waste material

Construction waste material	Total construction waste generated @ 40 Kg/sq.m of builtup area (MT) 1,77,558	(MT)
Soil, Sand & Gravel	0.35	77448
Bricks & Masonry	0.3	66385
Concrete	0.25	55320
Metal	0.05	11064
Bitumen	0.0204	4514
Wood	0.0204	4514
Other	0.01	2213

Source: TIFAC

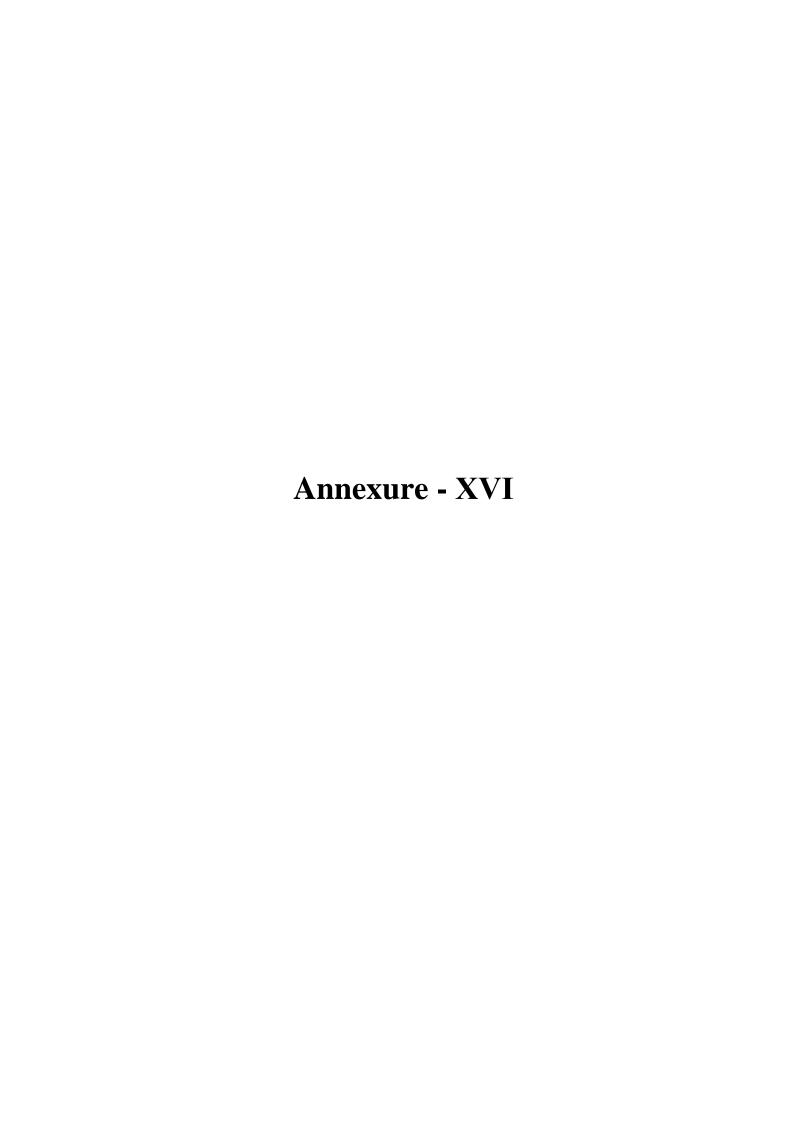
### Impact identification & evaluation

- The indiscriminate disposal of solid waste generated on site can adversely affect the surface water quality. The organic matter in solid waste can enhance the biochemical oxygen demand of the surface water body and lower the dissolved oxygen, thus affecting the surface water ecosystem as a whole. The impact could thus be short-term and reversible.
- The possible adverse effects on groundwater quality due to solid waste can result from irresponsible dumping. However, disposal is most likely to occur on the ground surface and hence the effects on groundwater quality and quantity could be negligible.
- If solid waste generated on site is stored in unregulated locations, it can lead to leachate and other components of the decomposing solid waste to penetrate the soil surface, leading to the deterioration of soil quality at the project site. Solid waste generated on site if allowed to accumulate without a proper disposal site and proper management, will adversely affect the aesthetics of the project site. However, with proper mitigation measures in place, the impacts could be short term and reversible.
- Sanitation impacts will arise from uncontrolled collection and disposal of the generated solid waste. If left unattended, waste can decompose leading to foul odour. There is also

- a possibility of the spread of disease through vectors and other pests at unregulated solid waste mounds. If a control measure is put in place, the impacts could be short term and reversible.
- The unregulated collection and indiscriminate disposal of generated solid waste, if unchecked can create a huge public health problem. If left unattended, solid waste can lead to vectors and disease, all of which could result in a medium to long term but reversible impact, depending on the control measure adopted.
- Solid waste generated on site if allowed to accumulate without a proper disposal site and
  proper management, will be an eye sore and adversely affect the aesthetics of the project
  site. Hence the impact could be short term but reversible.
- Handling, movement and storage of hazardous wastes could cause occupational health and safety issues to the staff and workers involved in the facility.

#### **Mitigation Measures**

- 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.
- Construction sites are sources of many toxic substances, such as paints, solvents, wood
  preservatives, pesticides, adhesives and sealants. Hazardous waste generated during
  construction phase are being stored-in sealed containers, labelled, and disposed of as
  required by the Hazardous Wastes (Management, Handling and Transboundary
  Movement) Rules, 2008.
- Construction activity involves some workforce to stay at site. Local labour shall be employed to the maximum possible extent. The latter will require basic infrastructure welfare facilities like housing, sanitation and other essential services. The proposed site is being provided with suitable sanitation facilities like supply of potable water and sanitary latrines to allow proper standards of hygiene. Solid waste generated mainly comprise of household domestic waste, which are being collected and disposed off at the nearest municipal waste collection site.



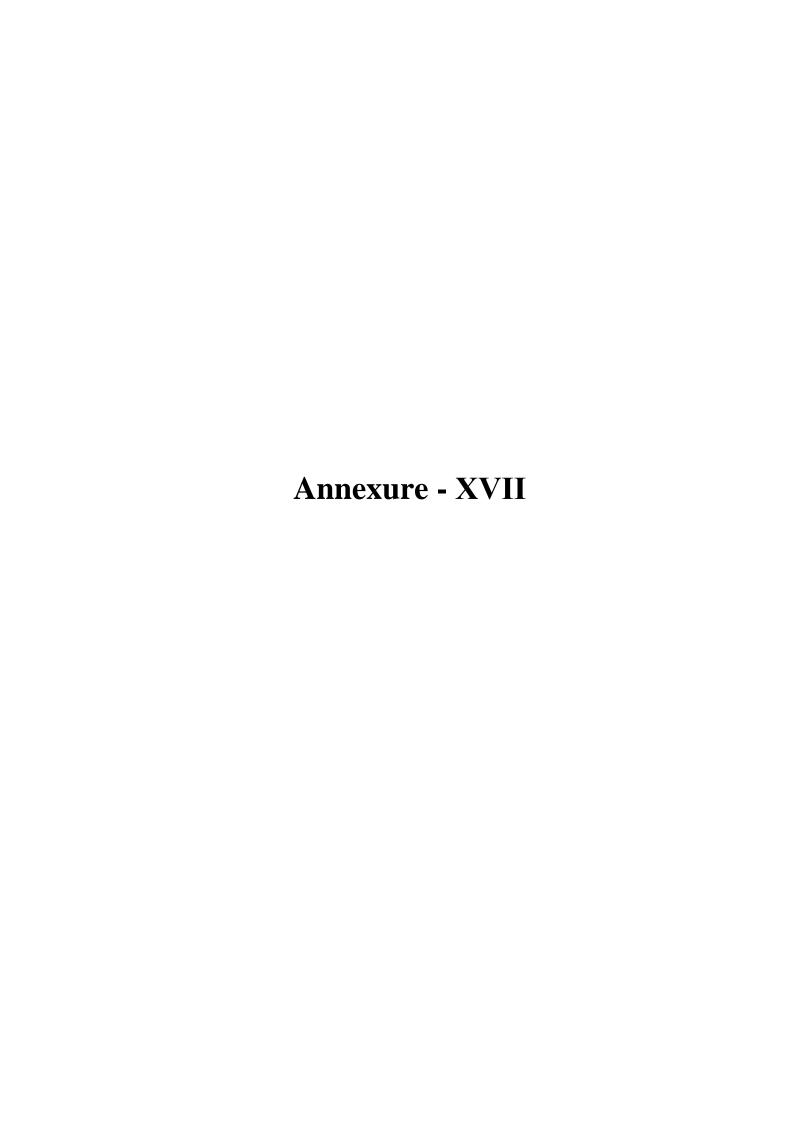
# **Labour Camp**















# DEPARTMENT OF CIVIL ENGINEERING INSTITUTE OF ENGINEERING & TECHNOLOGY

AN AUTONOMOUS CONSTITUENT INSTITUTE OF UTTAR PRADESH TECHNICAL UNIVERSITY SITAPUR ROAD, LUCKNOW (U.P.), INDIA PIN-226021 Phone: +91 0522 2361692 Fax: +91 0522 2361631

Ref.: IET/CE/SPS/NBS/2017-761

Dated: 16.12.2017

To:

Shalimar KSMB Projects, Titanium Shalimar Corporate Park, Vibhuti Khand, Gomti Nagar, Lucknow-226010

Subject: Vetting of structural drawings of Group Housing Project of Shalimar KSMB Project (Garden Bay) Khasra No. 191, 192, 194, 197, 214, 215, 217, 219, 230, 231, 234, 235, 236 & 239 Vill Ghailla Lucknow.

Dear Sir,

Kindly refer your letter no. Nil dated 14-11-2017 on the consultancy of subject cited above.

In this context, it is to inform you that the submitted structural drawings of Group Housing Project of Shalimar KSMB Project (Garden Bay) Khasra No. 191, 192, 194, 197, 214, 215, 217, 219, 230, 231, 234, 235, 236 & 239 Vill Ghailla Lucknow have been checked in accordance to IS codes (IS: 456-2000; IS: 1893-2016, IS: 4326-2013 & IS: 13920-2016) and found safe. Structural drawings are herewith enclosed for further necessary action at your end.

Thanking you,

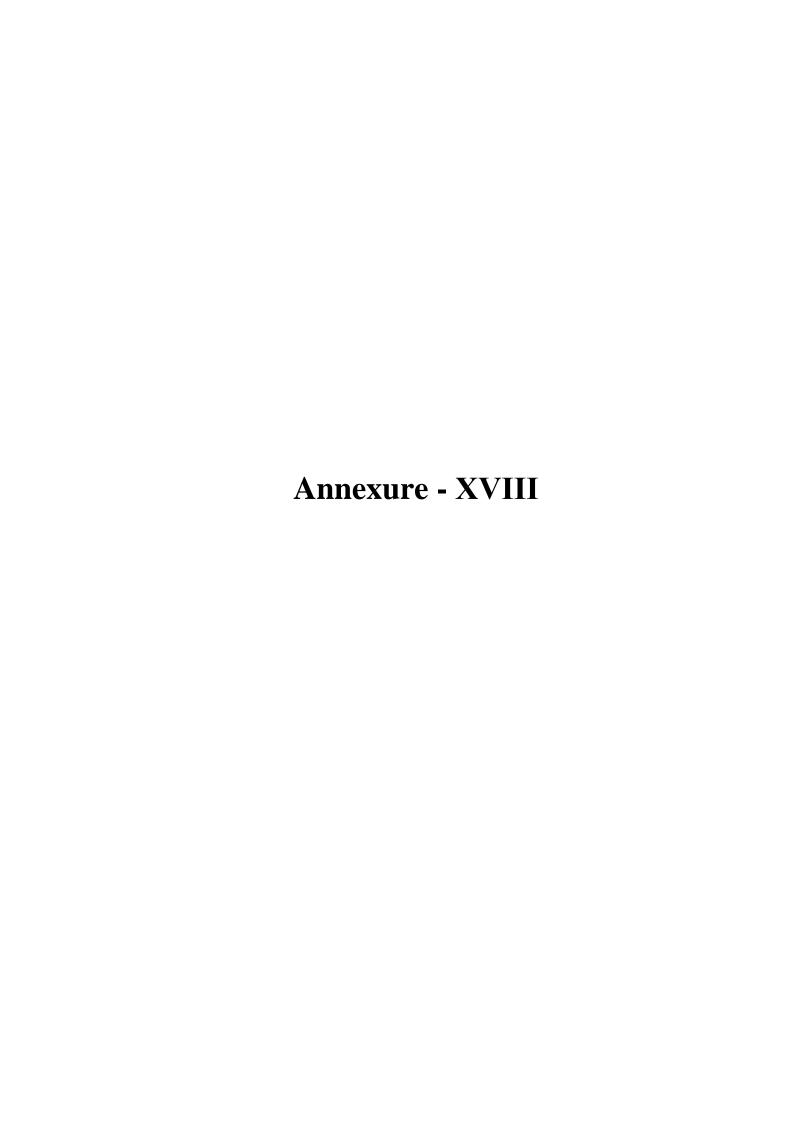
(Dr. S. P. Shukla)

Professor

(Dr. N.B. Singh)

Yours Sincerely

Professor & Head



## **Miscellaneous Photographs**











