# **Compliance Report**

**October, 2018 – March, 2019** 

### for

### Proposed Expansion of Residential complex at

Premises No. – 1, Kashinath Dutta Road, Baranagar Municipality, Dag No. – 921 to 925, J.L. No. – 8, P.S. – Baranagar, Dist. – 24 Paraganas (N), West Bengal

### SUBMITTED TO MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE, EASTERN REGIONAL OFFICE, A/3, CHANDRASHEKHARPUR, BHUBANESHWAR - 751023

### **Project Proponent**

### M/s. Square Four Housing & Infrastructure Development Pvt. Ltd.

(formerly known as M/s. Overflow Tradelink Pvt. Ltd.) 238A, A.J.C. Bose Road, 2<sup>nd</sup> Floor, Suit – 2B, Kolkata - 700020

- **1. Project Code :** 110-353
- **2. File No.** : 110-353/18/EPE
- 3. Name of the Project : Proposed Expansion of Residential Complex "UDDIPA" at Premises No. – 1, Kashinath Dutta Road, Baranagar Municipality, Dag No. – 921 to 925, J.L. No. – 8, P.S. – Baranagar, Dist. – 24 Paraganas (N), West Bengal by M/s Square Four Housing & infrastructure Development Pvt. Ltd. (formerly known as M/s. Overflow Tradelink Pvt. Ltd.)
- 4. Clearance letter no. with date : 2017/EN/T-II-1/047/2017 dated 20/08/2018
- 5. Period of Compliance Report : October, 2018 to March, 2019

## Salient Features of the project, for which Environmental Clearance vide memo no. 2017/EN/T-II-1/047/2017 dated 20/08/2018 was obtained

	As per Environmental clearance already received (memo No. 2331 / EN / T-II-1 / 071 / 2015 dated 21.10.2016)	Expansion Project	Total Project Scenario
Block details	3 Blocks (B+G+18)	3 Blocks (2 Additional Floors)	3 Blocks (B+G+20)
Built Up Area	37444.12 sqm	3502.816 sqm	40946.936 sqm
Land Area	9696.94 sqm		9696.94 sqm
Land Left for Road Widening	812.186 sqm.		Abutting Road width – 12.2 m Road Length – 65.974 m Land Left for Road Widening – 804.883 sqm
Net Land Area	8884.754 sqm.		8892.06 sqm.
Nos. of flats (along with configuration like 2BHK / 3BHK)	2-BHK=108 3-BHK= 216 Total= 324	2-BHK=12 3-BHK= 24 Total= 36	2-BHK=120 3-BHK= 240 Total= 360
Project Cost	98 crores	7 crores	105 crores
Maximum height of the building	58.8 m	6.1 m	64.9 m
Expected Population	1801 persons (residents – 1512, temporary – 289)	202 persons (residents – 168, temporary – 34)	2003 persons (residents – 1680, temporary – 323)
Total Water Requirement	268.5 kld	25.13 kld	293.75 kld
Freshwater Requirement	172.5 kld	15.71 kld	188.21 kld
Wastewater generated	219 kld	20.39 kld	239.51 kld
Treated Wastewater Reused	96 kld	9.42 kld	105.54 kld
Treated Wastewater	123 kld	10.46 kld	133.46 kld

discharged			
Solid waste generated	948 kg/day	92.5 kg/day	1040.5 kg/day
Plantation proposed	Total: 195 nos.	Total: 195 nos.	Total: 195 nos.
Solar Street lights	20 nos.	-	20 nos.
Use of Solar Power			Atleast 1% of total demand load to be met from solar power source
DG set details	2 Nos. 320 KVA	-	1 no. 320 KVA & 1 no. 380 KVA
Car Parking Provided	Open=118 Covered =206 Total = 324	36 nos.	Total = 363
Ground coverage	2033.36 sqm (22.886 % of Net land area)	-	2033.36 sqm (20.97% of total land area) (22.87% of Net land area)
Exclusive Tree Plantation Area	1794.41sqm (20.197 % of Net land area)	-	1801.72 sqm (20.26 % of Net land area)
Exclusive Paved Area	1725.925 sqm (19.426 % of Net land area)	55.87 sqm (0.629 % of land area)	1781.80 sqm (20.04% of Net land area)
Semi Paved Area	160.439 sqm (1.806% of Net land area)	56.238 sqm (0.633 % of land area)	216.68 sqm (2.44% of Net land area)
Open Parking Area	821.237sqm (9.243 % of Net land area)	Decrease of 215.596 sqm area	605.64 sqm (6.81% of Net land area)
Other Green Area	312.015 sqm (3.512 % of Net land area)	Decrease of 52.88 sqm area	259.13 sqm (2.91% of Net land area)

State Level Environment Impact Assessment Authority (SEIAA) in the above mentioned Environment Clearance certificate have mentioned that they accord Environmental Clearance as per provisions of the EIA notification no. S.O. 1533(E) dt. 14<sup>th</sup> September, 2006 of Ministry of Environment & Forests, GOI, in supersession of earlier EC vide no. 2331/EN/T-II-1/071/2015 dated 21.10.2016.

#### Present Status of the project:

For Tower – 1, 8<sup>th</sup> floor slab casting has been completed. Exterior and interior works of the 1<sup>st</sup> floor has been completed.

For Tower – 2,  $7^{th}$  floor slab casting has been completed. Exterior and interior works of the  $1^{st}$  and  $2^{nd}$  floor has been completed and work in the  $3^{rd}$  floor is going on.

For Tower – 3, 9<sup>th</sup> floor slab casting has been completed. Exterior and interior works of  $1^{st}$  to  $4^{th}$  floor has been completed and work in the 5<sup>th</sup> and 6<sup>th</sup> floor is going on.

Construction work for expansion part shall commence only after completion of construction of Phase-1 of the project as it is a vertical expansion i.e. addition of 2 Floors above the 3 Blocks.

The compliance status of the specific conditions and general conditions, as issued by SEIAA, West Bengal vide Memo No. 2017/EN/T-II-1/047/2017 dated 20/08/2018 has been discussed below:

Sr. No.	Conditions	Compliance Status		
Ι.	I. Construction Phase			
Steps	s to avoid disturbance during construction	-		
i.	Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas and external services. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.	Topsoil has been stripped maximum to a depth of 20 cm from the areas proposed for buildings, roads, paved areas and external services. Buildings have been designed to follow the natural topography as much as possible. Minimum cutting and filling has been done.		
ii.	All the topsoil excavated during construction activities should be under cover/stored by retaining walls for use in horticulture / landscape development within the project site. Adequate erosion and sediment control measures to be adopted before ensuing construction activities.	All the excavated top soil is currently stored under cover. This topsoil will later be used for horticulture / landscape development. The run-off from the site shall be passed through sedimentation trap to prevent erosion.		
111.	Prior permission should be obtained from the competent authority for demolition of the existing structure, if any. Waste recycling plans should be developed for prior to beginning of demolition and construction activity. The plans should identify wastes to be generated and designate handling, recycling and disposal method to be followed.	The plot was a vacant land with few dilapidated structures. The dilapidated structures have been demolished and the demolition debris have been used for site development activities.		
iv.	Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighbouring communities and disposed off taking the necessary precautions for general safety and health aspects.	Muck is being handled properly. Muck including excess excavated material is being disposed off at regular intervals in the designated site as per the advice of Baranagar Municipality.		
V.	Diesel generator sets during construction phase should have acoustic enclosures and should conform to E(P) Rules prescribed for air and noise emission standards.	Construction activities are being done by electricity supplied by CESC. No Diesel Generator sets are being used for construction work.		

#### Part A – SPECIFIC CONDITIONS

	Vahieles / environment devices devices	DLIC contificate of cost constant the
vi.	Vehicles / equipment deployed during construction phase should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non – peaking hours. Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.	PUC certificate of each construction vehicle is being checked at regular intervals. Plastic / tarpaulin sheet covers are being provided for vehicles bringing in construction materials.
vii.	Ambient noise levels should conform to residential standards both during day and night. Fortnightly monitoring of ambient air quality (SPM, SO <sub>2</sub> and NO <sub>x</sub> ) and equivalent noise levels should be ensured during construction phase.	No construction activity is being carried out during night time. Ambient Air Quality (PM <sub>10</sub> , PM <sub>2.5</sub> , SO <sub>2</sub> & NO <sub>2</sub> ) and Noise Monitoring report in the project site has been attached in <b>Annexure 1</b> .
viii.	Construction spoils including bituminous material and other hazardous materials including oil from construction equipment must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they should not leach into the ground water. If necessary, oil trap should be installed where there is deployment of heavy machineries.	It is being taken care that oil from construction equipment does not contaminate watercourses and the dumpsites are secured.
ix.	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.	The demolition debris have been used for site development activities.
Х.	Regular supervision of the above and other – measures should be in place all through the construction phase so as to avoid disturbance to the surroundings. Discomfort in the neighbourhood due to the proposed project activity should be minimized as far as practicable.	Regular supervision and quality checks are being carried out at the project site.
xi.	Loading and unloading operations should not be carried out in open areas and should be preferably done during day time, if there is any major settlement in the surrounding areas. The construction activities including piling work, operation of ready-mix plant and vibrator, etc. should not be carried out	All the loading and unloading operations are being carried out during day time. Piling work has been completed.

	during the night time (10 P.M. to 6 A.M.).	
	Only essential operations, if any, may be	
	carried out for a limited period during night	
	time.	
xii.	The proponent must ensure that no driven	No driven piles have been used. Only
	piles shall be proposed for this project, if	DMC piles have been cast in-situ.
	there is any major settlement in the surrounding areas.	
xiii.	Dust, smoke & other air pollution prevention	Screen of appropriate height and
<b>X</b> III.	measures shall be provided for the building	adequate sprinkler arrangement has
	as well as the site. These measures shall	been made. Majority of the
	include screens for the building under	construction materials are being stored
	construction, continuous dust / wind	in the godown. Sand, stone chips, etc.
	breaking walls all around the site (at least	are being stored in covered place
viv	3m height).	within project area.
xiv.	Use the Ready – mix concrete is recommended for this project.	RMC is being used in this project.
XV.	Adequate measures to be adopted to avoid	Curing of concrete is being done by
	wastage of water for curing of concrete	wrapping with moist sack, so that the
	structures.	water wastage can be minimized.
xvi.	Adequate mitigative measures should be	Already discussed above.
	adopted to control dust emissions, noise	
	and vibrations from construction activities.	
	Vehicles and construction machineries	
	should be properly maintained. Vehicles should conform to pollution under control	
	(PUC) norms.	
xvii.	Locally available materials with less	Locally available construction materials
	transportation cost should be used	like sand, stone chips, cement etc. is
	preferably.	being procured for the construction
		activities.
xviii.	Promotion of use of cleaner fuel and fuel quality improvement should be done.	Cooking gas is being provided for the construction workers.
	Excessive energy consumption and fuel	
	usage should be avoided.	being provided by CESC.
xix.	Accumulation / stagnation of water should	
	be avoided to ensure vector control.	get accumulated within the project site.
Selec	tion of materials for better energy efficienc	
i.	Use of energy efficient construction	Energy efficient construction materials
	materials should be ensured to achieve the	are being used for the construction
	desired thermal comfort.	activities.
ii.	Design layout should ensure adequate solar access and ventilation. Proper planning and	Designing has been done in such a way so as to ensure proper natural
	window design for daylight integration	lighting and ventilation.
	should be considered.	
iii.	Fly Ash is to be used for construction as per	Fly ash bricks are being used for the
	Notification No. S.O. 763(E) dated	construction as much as possible.
	14.09.1999 amended vide Notification No.	

	S.O. 979(E) dated 27.08.2003 and S.O. 2804(E) dated 03.11.2009 of the Ministry of Environment & Forests, Govt. of India.	
iv.	Construction should conform to the requirements of local seismic regulations. The project proponent should obtain permission for the plans and designs including structural design, standard and specifications from concerned authority.	Design has been done as per The West Bengal Municipal Building Rules, 2007 as well as NBC-2005 considering the seismic zone relevant for this zone. The Plan was already sanctioned by Baranagar Municipality.
V.	Construction technologies that require less material and possess high strength should be adopted. Materials with low embodied energy and high strength should be used preferably.	Efficient and advanced construction technologies are being adopted using materials with low embodied energy during construction activities.
vi.	The building will be constructed and provisioned to use natural sunlight to the maximum during the day time, during use.	Designing of the building has been done in such a way so as to ensure maximum use of natural light.
vii.	Use of alternate building materials and alternate construction techniques should be considered apart from the conventional materials and methods. Use of hollow unit masonry should be considered.	Light weight cement blocks are being used in partitions.
viii.	Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include fly ash bricks, hollow bricks, AACs, Fly ash lime gypsum blocks, compressed earth blocks and other environment friendly materials.	Fly ash bricks are being used for the construction as much as possible.
ix.	Use of energy efficient lighting systems e.g. High pressure Sodium Vapour (HPSV) Lamps, LED etc., should be promoted. Solar energy should be used for outdoor lighting. Adequate number of solar lights should be installed for external lighting as per norms. All common area lighting will be LED system.	LED lamps shall be used. 50% of street lights shall be solar powered (20 nos.) and the rest would be conventional lights.
х.	Solar water heating arrangement will be provided to meet 20% of the hot water demand of the commercial and institutional building and as far as possible for residential buildings.	Provision of solar water heating arrangement shall be made as far as possible.
xi.	Concept of passive solar design that minimizes energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration,	Building has been designed in such a manner so that the maximum day light may be used thus reducing the electricity load. Openings in the east and west faces of wall are being

	increased day lighting design and thermal	minimized to reduce the best gain
	increased day lighting design and thermal mass etc. shall be incorporated in the building design.	minimized to reduce the heat gain.
xii.	Proper insulation of roof should be provided to achieve desired thermal comfort. Use of light coloured, reflective roofs having an SRI (solar reflectance index) of 50% or more should be incorporated.	Proper insulation of the roof shall be done and solar reflective tiles shall be used.
xiii.	Use of high albedo or reflective pavements to keep parking lots, pavements and inside roads cool should be incorporated.	Reflective Paver's blocks shall be used in the semi-paved areas.
xiv.	Guidelines to the occupants should include usage efficiency measures such as energy efficient lighting and water efficient system.	During agreement with the occupants ways to efficiently use energy and water would be explicitly mentioned.
XV.	Reduce hard paving - onsite (open area surrounding building premises) and / or provide shade on hard paved surfaces to minimize heat island effect and imperviousness of the site.	Paver's blocks shall be used. Trees shall be planted along the sides of paved roads so as to provide shade.
xvi.	Adequate open space, greenery and water bodies to be provided as per rules.	Only 2033.36 sqm (22.87% of Net land area) is ground coverage area. Rest 77.13% of the net land area is open space & greenery.
xvii.	Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured.	Ensured
xviii.	Any proposed building with air – conditioning facility should follow the norms proposed in the ECBC regulations framed by the Bureau of Energy Efficiency. Chillers should be CFC & HCFC free.	Individual air conditioners will be used, which shall be CFC & HCFC free as per ECBC-2007.
xix.	Restrict the use of glazed surface as per National Building Code 2005.	Use of glazed surfaces and glass shall be minimum as it is a residential complex.
XX.	Wall, window and roof u-values shall be as per ECBC specifications.	Wall, window and roof u-values are as per ECBC specifications.
xxi.	At least 1% of total demand load to be met from solar power source.	Total power demand shall be 1425 KVA. 27 KW (33.75 KVA) of solar power shall be generated and utilized excluding standalone solar street lights, which is much more than 1% of the total power requirement.
	r Body Conservation:-	
i.	Existing water body, if any, should not be lined and their embankments should not be cemented. The water body is to be kept in natural conditions without disturbing the ecological habitat.	There is no water body within the project premises.

ii.	No construction is allowed on wetland and	There is no water body within the
	water bodies.	project premises.
	tation Proposal:-	
i.	The unit should strictly abide by the West Bengal Trees (Protection and Conservation in Non - Forest Areas) Rules 2007. The proponent should undertake plantation of trees over atleast 20% of the total area.	1801.72 sqm (20.26 % of Net land area) shall be exclusive tree plantation area. Total no. of trees: Proposed – 195, (To be planted – 120 nos., Existing – 28: to be felled – 15 nos., to be retained – 13 nos., Compensatory plantation – 75 nos.) Thus, total number of trees at site will be 120+75+13 = 208.
ii.	No tree can be felled without prior permission from the Tree Cutting Authority constituted as per the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules.	15 nos. of trees shall be felled. Tree Cutting Permission has already been obtained. 75 nos. of trees shall be planted as compensatory plantation.
iii.	The proponent should plant atleast 195 nos. of trees. Indicative list of species is given at Annexure – I. The landscape planning should include plantation of native species. The species with heavy foliage and wide canopy cover are desirable. Water intensive and / or invasive species should not be used for landscaping.	120 nos. of trees shall be planted in addition to the compensatory plantation of 75 nos. of trees and 13 nos. of existing trees shall be retained. Indicative list of species is given at <b>Annexure – 2</b> .
iv.	Provision of Roof Top Gardening is mandatory.	Provision of roof top gardening shall be made.
Wate	er Supply:-	
i.	Water requirement during construction phase shall be met from municipal supply. Ground water should not be abstracted without prior permission obtained from the competent authority as per the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.	Water during construction phase is being provided by Baranagar Municipality Water supply. Water quality test report has been provided in <b>Annexure – 3</b> .
Sewa	age Treatment Plant:-	
i.	As per the proposal submitted by the Proponent wastewater shall be treated in septic tank to soak pit. Construction wastewater to be collected in sedimentation trap with adequate retention time and to be reused.	Wastewater is being treated in septic tank to soak pit. Construction wastewater is being collected in sedimentation trap with adequate retention time and is being reused.
	m water Management & Mitigation of Heat Is	
i.	Imperviousness of the site shall not exceed the NBC (National Building Code 2005)	Imperviousness of the site does not exceed the NBC (National Building Code 2005) standards for
ii.	standards for imperviousness factor applicable to different types of area. At least 20% of the open spaces shall be	imperviousness factor. In the open parking area, hollow

	pervious. Use of Grass pavers, paver blocks with at least 50% opening,	concrete paver's blocks shall be used.
	landscape etc. would be considered as	
	pervious surface.	
iii.	Total paved area of site under parking,	2192.96 sqm (24.66% of Net land
	roads, paths or any other use should not	area) constitutes total paved area.
	exceed 25% of the site area.	
iv.	Adequate storm water drainage network to	The drainage network has been
	be designed for the project without	designed considering the invert level of
	disturbing the surrounding settlements.	outfall i.e. Municipal drain, so that the
	Storm water management plan should be implemented so as to prevent sudden	surroundings settlements may not disturbed.
	discharge of excessive volumes of storm	
	water to the receiving waters thus reducing	
	the shock load on the drainage system and	
	impact on receiving water body.	
۷.	The natural drain system should be	Natural drainage system has been
	maintained for ensuring unrestricted flow of	maintained. No construction has been
	water. No construction shall be allowed to obstruct the natural drainage through the	allowed to obstruct the natural drainage through the site.
	site.	
vi.	Disruption to the natural hydrology of the	The ground coverage is less and open
	site should be minimized by reducing	area is more. Hollow pavers' blocks will
	impervious cover, increasing on site	be used in open parking areas as
	infiltration and managing storm water	much as possible to increase the
vii.	runoff.	infiltration.
VII.	Heat island effect should be minimized by use of shading or reflective surfaces, mainly	The trees will be planted beside roads in such a manner so that the foliage of
	the surfaces that contribute to the heat	trees may cover the roads and other
	island effect, i.e. streets, sidewalks, parking	paved areas, which shall minimize the
	lots and buildings. White roofs should be	heat island effect.
	provided in the buildings.	
	water Harvesting Scheme :-	
i.	A rain water harvesting plan needs to be designed where the recharge bores of	
	minimum one recharge bore per 5,000	Minimum one recharge bore per 5,000
	square meters of built up area and storage	square meters of built up area shall be
	capacity of minimum one day of total fresh	provided. 200 KL rainwater harvesting
	water requirement shall be provided.	tank shall be provided which is more
		than the minimum one day total fresh
		water requirement.
ii.	The proponent must collect rainwater from roof-top catchments and reuse for various	Rainwater collected in roof-top catchments shall be reused after
	purposes after necessary cleaning.	catchments shall be reused after adequate retention time.
	Adequate retention time and storage	
	provisions should be provided for	
	harvesting rainwater.	
iii.	All recharge should be limited to shallow	Recharge shall be limited to shallow

	aquifer.	aquifer.
iv.	Adequate firefighting storage should be provided as per norms.	Firefighting tank has been provided.
	Waste Management :-	
i.	Conform to the guidelines on Environment Management of Construction & Demolition Waste by CPCB, March 2017.	Guidelines on Environment Management of Construction & Demolition Waste by CPCB, March 2017 have been confirmed to.
ii.	Adequate provision shall be made for storage of solid waste and adequate means of access shall be provided.	An area shall be earmarked as MSW management site with proper means of access.
iii.	All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.	Complied
Tran	sport Management :-	
i.	Internal - traffic planning and management should be adequate to ensure uninterrupted traffic movement in the area during construction as well as operation phase.	Both internal and external traffic planning and management has been properly done. Proper traffic management plan shall be made.
ii.	Clarified wastewater will be used for sprinkling water on the unpaved internal roads on a regular basis.	Treated wastewater shall be used for sprinkling water on the unpaved internal roads on a regular basis.
Othe	rs	
i.	Notification G.S.R. 94(E) dated 25.01.2018 issued by MoEF & CC, Government of India should be complied with.	Dust mitigation measures for construction and demolition activities mentioned in the Notification G.S.R. 94(E) dated 25.01.2018 issued by MoEF & CC, Government of India are being complied with.
ii.	Conform to the clause mentioned in the "Manual and standards for EC for large construction projects" published by MoEF&CC, Government of India.	Followed
iii.	All mandatory approvals and permission as required from Director of Explosives, Fire Department etc. should be obtained.	NOC from Fire Department has already been obtained, enclosed as <b>Annexure</b> - <b>4</b> . Proper fire-fighting arrangements shall be in place as soon as the construction phase is completed. Proper access to fire tenders have been provided.
iv.	Efficient management of indoor air quality must be ensured for health and safety of the users.	Efficient management of indoor air quality shall be ensured.
۷.	Adequate measures to be adopted for	Water conservation methods shall be

	water conservation during construction and operation stage. Use of efficient irrigation equipment, evaporative cooling unit in air conditioning system etc. should be considered.	adopted.
vi.	Rest room facilities should be provided for	
	service population.	service population.

#### I. Part B – GENERAL CONDITIONS

Sr. No.	Conditions	Compliance Status
i.	The environmental clearance accorded shall be valid for a period of 7 years for the proposed project.	Environmental clearance for the proposed expansion project has been received on 20.08.2018. Copy of Environmental clearance has been attached as <b>Annexure – 5.</b>
ii.	Prior Consent-to-Establish (NOC) for the proposed project must be obtained from WBPCB by the proponent. All other statutory clearances should be obtained by the project proponent from the competent authorities.	Consent to Establish (NOC) has been obtained for the proposed expansion project vide Memo. No. 242-2N-70/2015(E) dated 01.03.2019. Copy of NOC has been attached as <b>Annexure – 6.</b>
iii.	The proponent should maintain a display board at the site, providing detailed information on the salient features of the proposed project.	A display board is already placed at the site, providing detailed information on the salient features of the proposed project.
iv.	The environmental safeguards contained in the EIA/EMP report should be implemented in letter and spirit.	The points mentioned in EIA/EMP report for construction phase is implemented. The points mentioned in EIA/EMP report for operational phase shall be implemented.
۷.	All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.	All the conditions, liabilities and legal provisions contained in the EC shall be explained to and followed by the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
vi.	The project proponent should make financial provision in the total budget of the project for implementation of the suggested safeguard measures.	Financial provision in the total budget of the project for implementation of the suggested safeguard measures have been made.
vii.	Six monthly monitoring reports should be	Six monthly monitoring reports shall

	submitted to the West Bengal Pollution	be submitted to the West Parad
	Control Board, who would be monitoring the implementation of environmental safeguards and should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents should also be forwarded to the State Level Environment Impact Assessment Authority, West Bengal and also to Regional Office of MoEF&CC, Bhubaneswar.	be submitted to the West Bengal Pollution Control Board. A complete set of all the documents shall also be forwarded to the State Level Environment Impact Assessment Authority, West Bengal.
viii.	In case of any violation of the conditions laid down in this Environmental Clearance, Section 16 of The Environment (Protection) Act, 1986, will be applicable. In case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.	The conditions laid down in the Environmental Clearance shall not be violated.
ix.	The State Level Environment Impact Assessment Authority, West Bengal reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environment (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time- bound and satisfactory manner.	Agreed
Χ.	The Project Proponent should inform the public that the proposed project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the State Pollution Control Board / Committee and may also be seen at the website of the SEIAA, West Bengal (http://environmentwb.gov.in). This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular of the locality concerned.	It has already been advertised for the local people that the proposed project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the State Pollution Control Board / Committee and may also be seen at the website of the SEIAA, West Bengal (http://environmentwb.gov.in) on 27.08.2018 in Aaj Kal (Bengali newspaper) and on 27.08.2018 in Business Standard (English newspaper) (enclosed as <b>Annexure - 7</b> ).
xi.	All other statutory clearances such as the	All other statutory clearances, like

	approvals for the storage of diesel from Chief Controller of Explosives, Civil Aviation Department (if required) etc. shall be obtained by the project proponents from the competent authorities.	
xii.	Provision for incorporation of appropriate conditions in the Sale Agreement / Deed, for ensuring sustained Operation and Maintenance (O&M) of the common facilities (STP, Rainwater harvesting system, Solid waste management system, Solar street lights etc.) even after transfer of ownership of the project, should be made in explicit and transparent manner.	sustained Operation and Maintenance (O&M) of the common facilities (STP, Rainwater harvesting system, Solid waste management system, Solar street lights etc.) shall be incorporated in
xiii.	The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.	Agreed



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Bengal Ambuja Commercial Complex,

Onsite Ambient Air Quality Monitoring Results							
	Location Project Site						
(Period: October, 2018)							
DATE	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>			
DATE	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)			
01.10.2018	91	41	9	23			
04.10.2018	74	30	10	30			
08.10.2018	68	27	11	21			
11.10.2018	63	24	7	18			
15.10.2018	81	33	8	20			
18.10.2018	86	38	12	25			
22.10.2018	73	28	8	20			
25.10.2018	65	25	13	14			
29.10.2018	70	29	9	19			

Onsite Ambient Air Quality Monitoring Results							
	Location Cossipur Peara Bangan						
(Period: October, 2018)							
DATE	<b>PM</b> <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>			
	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)			
01.10.2018	77	32	7	19			
04.10.2018	63	28	9	17			
08.10.2018	84	34	8	15			
11.10.2018	74	30	7	20			
15.10.2018	65	25	8	16			
18.10.2018	72	29	6	20			
22.10.2018	60	22	10	26			
25.10.2018	70	27	8	23			



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Bengal Ambuja Commercial Complex,

	Onsite Ambient Air Quality Monitoring Results						
	Location	Project Site					
	(Perio	d: November, 20	18)				
DATE	<b>PM</b> 10	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>			
DATE	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)			
05.11.2018	76	30	13	20			
09.11.2018	80	34	10	18			
12.11.2018	65	24	7	22			
16.11.2018	74	31	8	19			
19.11.2018	70	29	10	25			
23.11.2018	65	23	11	26			
26.11.2018	84	37	9	18			
30.11.2018	93	40	9	23			

	Onsite Ambient Air Quality Monitoring Results						
	Location	Cossipur Peara Bangan					
	(Perio	od: November, 20	18)				
DATE	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>			
DATE	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)			
05.11.2018	79	32	10	24			
09.11.2018	62	22	8	17			
12.11.2018	67	25	12	22			
16.11.2018	73	31	6	18			
19.11.2018	69	26	9	23			
23.11.2018	73	28	8	16			
26.11.2018	63	23	11	21			
30.11.2018	88	39	9	16			



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Bengal Ambuja Commercial Complex,

	Onsite Ambient Air Quality Monitoring Results						
	Location		Project Site				
	(Perio	od: December, 20	18)				
DATE	<b>PM</b> <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>			
DATE	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)			
03.12.2018	97	42	10	33			
06.12.2018	87	35	11	23			
10.12.2018	74	29	15	26			
13.12.2018	68	26	12	21			
17.12.2018	80	33	10	23			
20.12.2018	67	26	17	35			
24.12.2018	85	36	14	28			
27.12.2018	79	32	11	25			

	Onsite Ambient Air Quality Monitoring Results						
	Location	Cossipur Peara Bangan					
	(Perio	od: December, 20	18)	-			
DATE	PM <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>			
DATE	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)			
03.12.2018	92	40	9	25			
06.12.2018	83	33	8	17			
10.12.2018	76	30	13	30			
13.12.2018	65	25	9	21			
17.12.2018	73	30	8	26			
20.12.2018	63	23	9	21			
24.12.2018	77	30	10	29			
27.12.2018	85	36	12	17			



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Bengal Ambuja Commercial Complex,

	Tabla	St	atistical /	Analysis o	of Polluta	nts		
	Table			(Period: October, 2018 to December, 2018)				
Pollutants	MES	Min	Max	A.M.	P - 98			
	Project Site	25	55	92	70.5	91.0		
ΡΜ <sub>10</sub> (μg/m³)	Cossipur Peara Bangan	25	51	85	65.1	83.1		
(µ9,)	Overall	50	51	92	67.8	90.9		
	Project Site	25	20	41	28.8	40.5		
ΡΜ <sub>2.5</sub> (μg/m³)	Cossipur Peara Bangan	25	19	38	26.2	37.0		
(۳9/11)	Overall	50	19	41	27.5	40.5		
	Project Site	25	7	20	12.4	18.6		
SO₂ (µg/m³)	Cossipur Peara Bangan	25	6	15	10.0	14.5		
(M9,)	Overall	50	6	20	11.2	18.5		
	Project Site	25	17	38	25.7	36.1		
NO₂ (µg/m³)	Cossipur Peara Bangan	25	16	38	24.5	35.6		
(۳9/11)	Overall	50	16	38	25.1	36.1		



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Bengal Ambuja Commercial Complex,

	Ambient Air Quality Monitoring Results								
	Location	Project Site							
	(Period: January, 2019 )								
DATE	PM10	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>					
DATE	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)					
03.01.2019	78	33	15	23					
07.01.2019	70	28	11	29					
10.01.2019	86	37	13	25					
14.01.2019	76	32	12	28					
17.01.2019	104	46	10	31					
21.01.2019	90	39	13	23					
24.01.2019	83	35	10	27					
28.01.2019	99	44	14	24					
31.01.2019	87	37	18	35					

	Ambient Air	Quality Monitorin	g Results			
	Location	Cossipur Peara Bangan				
	(Peri	od: January, 2019	3)			
DATE	<b>PM</b> 10	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>		
DATE	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)		
03.01.2019	90	40	13	30		
07.01.2019	86	34	11	25		
10.01.2019	73	28	13	34		
14.01.2019	81	33	9	30		
17.01.2019	77	30	14	23		
21.01.2019	95	42	12	31		
24.01.2019	66	25	11	21		
28.01.2019	82	35	13	27		
31.01.2019	74	30	8	26		



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Bengal Ambuja Commercial Complex,

	Ambient Air Quality Monitoring Results						
	Location		Project Site				
	(Peri	od: February, 201	9)				
DATE	<b>PM</b> <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>			
DATE	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)			
04.02.2019	94	40	11	29			
07.02.2019	80	34	15	25			
11.02.2019	75	30	12	28			
14.02.2019	68	27	15	37			
18.02.2019	71	30	11	32			
21.02.2019	82	35	16	26			
25.02.2019	98	43	14	23			
28.02.2019	74	30	11	21			

	Ambient Air Quality Monitoring Results				
	Location Cossipur Peara Bangan				
	(Peri	iod: February, 201	9)		
DATE	<b>PM</b> <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>	
DATE	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)	
01.02.2019	72	28	9	31	
05.02.2019	83	34	14	24	
08.02.2019	70	29	12	21	
12.02.2019	90	39	11	18	
15.02.2019	68	25	14	29	
19.02.2019	85	36	12	22	
22.02.2019	70	30	9	27	
26.02.2019	64	24	13	20	



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Bengal Ambuja Commercial Complex,

	Ambient Air Quality Monitoring Results				
	Location Project Site				
	(Pe	riod : March, 201	9)		
DATE	<b>PM</b> <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>	
DATE	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)	
04.03.2019	73	30	9	22	
08.03.2019	77	32	15	19	
11.03.2019	62	24	12	29	
15.03.2019	69	30	11	24	
18.03.2019	78	33	8	36	
22.03.2019	92	41	12	26	
25.03.2019	75	32	10	31	
29.03.2019	82	36	13	19	

	Ambient Air Quality Monitoring Results					
	Location	ation Cossipur Peara Bangan				
	(Pe	riod : March, 2019	)			
DATE	<b>PM</b> <sub>10</sub>	PM <sub>2.5</sub>	SO <sub>2</sub>	NO <sub>2</sub>		
DATE	(µg/m³)	(µg/m³)	(µg/m³)	(µg/m³)		
04.03.2019	68	26	13	33		
08.03.2019	82	34	9	28		
11.03.2019	97	43	14	25		
15.03.2019	77	31	11	19		
18.03.2019	70	27	9	26		
22.03.2019	78	33	10	19		
25.03.2019	66	24	15	26		
29.03.2019	83	36	11	24		



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Bengal Ambuja Commercial Complex,

	Tabla	ę	Statistical A	Analysis of	Pollutants	5
Table		(Period: January, 2019 to March, 2019)				
Pollutants	Locations	MES	Min	Max	A.M.	P - 98
	Project Site	26	65	109	83.6	10.6
ΡΜ <sub>10</sub> (μg/m³)	Cossipur Peara Bangan	26	62	105	79.3	10.0
(**3**** )	Overall	52	62	109	81.4	0.44
	Project Site	26	25	48	35.4	5.1
ΡΜ <sub>2.5</sub> (μg/m³)	Cossipur Peara Bangan	26	22	45	32.9	5.0
(**3**** )	Overall	52	22	48	34.2	0.05
	Project Site	26	8	18	11.8	2.9
SO₂ (µg/m³)	Cossipur Peara Bangan	26	6	17	11.0	2.6
(#9/)	Overall	52	6	18	11.4	0.19
NO <sub>x</sub> (µg/m³)	Project Site	26	17	40	27.3	5.3
	Cossipur Peara Bangan	26	15	34	24.3	4.9
(""")	Overall	52	15	40	25.8	0.24



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Bengal Ambuja Commercial Complex,

UN-F 13, 1050/1, Survey Park, Kolkata -700 075

2418 8127/8128/8601; Fax –2418 8128; email: <u>eeplkol@gmail.com</u>, <u>eeplkol2@gmail.com</u> Web : <u>www.envirotecheast.com</u>

#### Equivalent Noise Level in the Study Area, in dB(A) Month: October, 2018

SL.NO.	Location	DAY TIME	NIGHT TIME
JL.NO.		Leq- dB (A)	Leq- dB (A)
1	Project Site	68.7	53.7
2	Nainan para	67.5	51.2
3	Satchashi Para	69.1	52.8
4	Kalicharan Para (Sinthee)	68.9	53.1

#### Equivalent Noise Level in the Study Area, in dB(A) Month: November, 2018

SL.NO.	Location	DAY TIME	NIGHT TIME
	Location	Leq- dB (A)	Leq- dB (A)
1	Project Site	69.4	51.9
2	Nainan para	66.5	49.9
3	Satchashi Para	67.1	47.7
4	Kalicharan Para (Sinthee)	65.8	48.0

#### Equivalent Noise Level in the Study Area, in dB(A) Month: December, 2018

SL.NO.	Location	DAY TIME NIGHT TIM	NIGHT TIME
SL.NO.	SLING. LOCATION	Leq- dB (A)	Leq- dB (A)
1	Project Site	67.3	48.2
2	Nainan para	65.1	46.5
3	Satchashi Para	66.3	45.9
4	Kalicharan Para (Sinthee)	65.8	47.6



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Laboratory Recognised by Ministry of Environment & Forests, Govt. of India CIN NO : U74210WB1989PTC047403

Bengal Ambuja Commercial Complex,

UN-F 13, 1050/1, Survey Park, Kolkata -700 075

2418 8127/8128/8601; Fax –2418 8128; email: <u>eeplkol@gmail.com</u>, <u>eeplkol2@gmail.com</u> Web : <u>www.envirotecheast.com</u>

#### Equivalent Noise Level in the Study Area, in dB(A) Month: January, 2019

SL.NO.	Location	DAY TIME	NIGHT TIME
	Location	Leq- dB (A)	Leq- dB (A)
1	Project Site	65.7	47.3
2	Nainan para	66.7	44.8
3	Satchashi Para	63.4	43.5
4	Kalicharan Para (Sinthee)	64.7	45.8

#### Equivalent Noise Level in the Study Area, in dB(A) Month: February, 2019

SL.NO.	Location	DAY TIME	NIGHT TIME
	Looution	Leq- dB (A)	Leq- dB (A)
1	Project Site	68.5	49.6
2	Nainan para	62.8	46.3
3	Satchashi Para	60.9	43.9
4	Kalicharan Para (Sinthee)	65.4	44.7

#### Equivalent Noise Level in the Study Area, in dB(A) Month: March, 2019

SL.NO.	Location	DAY TIME NIGHT TIM	NIGHT TIME
SLINU.	Location	Leq- dB (A)	Leq- dB (A)
1	Project Site	67.8	50.1
2	Nainan para	65.4	44.8
3	Satchashi Para	67.2	47.3
4	Kalicharan Para (Sinthee)	66.5	45.5

Indicative list of selected plant species with tentative numbers for plantation are presented below:

### List of trees proposed for plantation (Including compensatory plantation)

SI. No.	Botanical Name	Common Name	Quantity
1	Mimusops elengi	Bakul	30
2	Lagerstroemia speciosa	Jarul	30
3	Delonix regia	Gulmohar	10
4	Alstonia scholaris	Chatim	30
5	Azadirachta indica	Neem	25
6	Bauhinia variegata	Kanchan	20
7	Anthocephalus cadamba	Kadam	10
8	Peltophorum pterocarpum	Radhachura	5
9	Artocarpus heterophyllus	Kanthal	5
10	Michelia champaca	Champa	5
11	Polyalthia longifolia	Devdaru	25
	Total		195



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Bengal Ambuja Commercial Complex,

GW1	Municipality Supply Water	Dece	mber, 2018
SI. No.	Parameter	Unit	SAMPLE CODE : GW 1
1	Colour		Colourless
2	Odour		Unobj.
3	Taste		Agree
4	Turbidity	NTU	<2
5	pH		7.2
6	Conductivity	µmhos/cm	303
7	Total Hardness ( as CaCO <sub>3</sub> )	mg/L	108
8	Iron ( as Fe )	mg/L	0.11
9	Chloride ( as Cl )	mg/L	32
10	Residual Free Chlorine	mg/L	nil
11	Fluoride ( as F )	mg/L	0.10
12	Total Dissolved Solids	mg/L	170
13	Calcium ( as Ca )	mg/L	30
14	Magnessium ( as Mg )	mg/L	7
15	Copper ( as Cu )	mg/L	<0.05
16	Manganese ( as Mn )	mg/L	<0.05
17	Sulphate ( as SO <sub>4</sub> )	mg/L	4
18	Nitrate ( as NO <sub>3</sub> )	mg/L	1.9
19	Phenol Compounds (as C <sub>6</sub> H <sub>5</sub> OH )	mg/L	<0.001
20	Mercury ( as Hg )	mg/L	<0.001
21	Cadmium ( as Cd )	mg/L	<0.01
22	Arsenic ( as As )	mg/L	<0.002
23	Lead ( as Pb )	mg/L	<0.05
24	Zinc ( as Zn )	mg/L	<0.05
25	Hexavalent Chromium (asCr <sup>+6</sup> )	mg/L	<0.05
26	Alkalinity ( as CaCO <sub>3</sub> )	mg/L	130
27	Boron ( as B )	mg/L	<0.02
28	Total Coliforms	MPN/100 ml	absent



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Bengal Ambuja Commercial Complex,

-

GW1	Municipality Supply Water	March, 2019	
SI. No.	Parameter	Unit	SAMPLE CODE : GW 1
1	Colour		Colourless
2	Odour		Unobj.
3	Taste		Agree
4	Turbidity	NTU	<2
5	рН		7.4
6	Conductivity	µmhos/cm	301
7	Total Hardness ( as CaCO <sub>3</sub> )	mg/L	115
8	Iron ( as Fe )	mg/L	0.11
9	Chloride ( as Cl )	mg/L	33
10	Residual Free Chlorine	mg/L	nil
11	Fluoride ( as F )	mg/L	0.12
12	Total Dissolved Solids	mg/L	166
13	Calcium ( as Ca )	mg/L	31
14	Magnessium ( as Mg )	mg/L	6
15	Copper ( as Cu )	mg/L	<0.05
16	Manganese ( as Mn )	mg/L	<0.05
17	Sulphate ( as SO <sub>4</sub> )	mg/L	4
18	Nitrate ( as NO <sub>3</sub> )	mg/L	1.5
19	Phenol Compounds (as C <sub>6</sub> H <sub>5</sub> OH )	mg/L	<0.001
20	Mercury ( as Hg )	mg/L	<0.001
21	Cadmium ( as Cd )	mg/L	<0.01
22	Arsenic ( as As )	mg/L	<0.002
23	Lead ( as Pb )	mg/L	<0.05
24	Zinc ( as Zn )	mg/L	<0.05
25	Hexavalent Chromium (asCr <sup>+6</sup> )	mg/L	<0.05
26	Alkalinity ( as CaCO <sub>3</sub> )	mg/L	109
27	Boron ( as B )	mg/L	<0.02
28	Total Coliforms	MPN/100 ml	absent



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Bengal Ambuja Commercial Complex,

PHY	PHYSICO-CHEMICAL CHARACTERISTICS OF SOIL IN THE STUDY AREA				
	(MONTH : Dece	ember, 2018)			
S.N.	PARAMETERS AND UNIT	SAMPLING LOCATIONS			
		SQ-1	SQ-2		
PH	SICAL CHARACTERESTICS				
1	Colour	Brown Clay	Brown Clay		
2	Texture	Clay Loam	Sandy Loam		
3	Bulk Density (g/cm <sup>3</sup> )	1.38	1.32		
4	Porosity (%)	37.7	38.2		
5	Water Holding Capacity (%)	38.5	37.9		
CHE	MICAL CHARACTERESTICS				
1	рН	6.1	5.9		
2	EC (µmhos/cm)	565	534		
3	Calcium (%)	0.53	0.49		
4	Magnesium (%)	0.46	0.52		
5	Sodium (%)	0.33	0.37		
6	Potassium (%)	0.28	0.31		
7	Sulphur (%)	0.34	0.29		
8	Nitrogen (%)	0.35	0.32		
9	Phosphorus (%)	0.18	0.16		
10	CEC ( meq/100 g)	20.8	21.3		
11	Organic Matter (%)	1.4	1.3		
12	Copper (mg/Kg)	16.7	17.2		
13	Chromium (mg/Kg)	60.7	59.3		
14	Zinc (mg/Kg)	20.2	20.6		
15	Lead (mg/Kg)	11.7	12.8		
16	Boron (mg/Kg)	2.2	2.8		

LOCATION CODE:		
SQ-1:	Near Project Site	
SQ-2:	Cossipur Peara Bangan	

#### GOVERNMENT OF WEST BENGAL OFFICE OF THE DIRECTOR GENERAL WEST BENGAL FIRE & EMERGENCY SERVICES 13-D, Mirza Galib Street, Kolkata – 700 016.

Memo. No. : WBFES/ 7427 16

/Kol/RB/1258/16 (1258/16) Date :1.7...1): 16

From : The Director in Charge, Fire Prevention Wing, West Bengal Fire & Emergency Services.

To : The Director, Overflow Tradelink Pvt. Ltd., 238A, A.J.C. Bose Road, 2<sup>nd</sup> Floor, Suite No-28, Kolkata-700 020



#### Sub : <u>Fire Safety Recommendation for proposed construction of B+G+20 Storied</u> <u>Residential Building comprising 3nos Block the Premises No- 1, Kashinath Dutta</u> <u>Road, Kolkata-700 036, North 24Pgs under Baranagar Municipality.</u>

This is in reference to your letter No. Nil dated 17.10.2016 regarding Fire Safety measure for proposed construction of B+G+20 Storied Residential Building comprising 3nos Block the Premises No-1, Kashinath Dutta Road, Kolkata-700 036, North 24Pgs under Baranagar Municipality.

The plan drawing submitted by you was scrutinized and marked as found necessary from fire safety point of view. In returning one set of plan with recommendation, this office is issuing Fire Safety Recommendation in favour of the aforesaid building subject to the compliance of the following fire safety measure.

Enclo.:

- 1. One set of plan.
- 2. Recommendation

anavator \$ 10/11/16 DIRECTOR IN CHARGE

FIRE PREVENTION WING WEST BENGAL FIRE & EMERGENCY SERVICES

#### RECOMMENDATION

#### A. <u>CONSTRUCTION</u> :

- 1. The whole construction of the proposed building shall be carried out as per approved plan drawings conforming the relevant building rules of local Municipal Body.
- 2. The interior finish decoration of the building shall be made low flame spread materials conforming I.S. specifications.
- 3. Provision of ventilation at the crown of the central core-duct of the building shall be provided.
- 4. Arrangements shall have to be made for sealing all the vertical ducts by the materials of adequate Fire resisting capacity.

#### B. OPEN SPACE & APPROACH :

- 1. The open space surrounding the building shall conform the relevant building rules as well as permit the accessibility and maneuverability of Fire appliance with turning facility.
- 2. The approach roads shall be sufficiently strong to withstand the load of Fire Engine weighting up to 45 M.T.
- 3. The width and height of the access gates into the premises shall not be less than  $4.5^{\circ} 5$  M respecting abutting the road.

#### C. <u>STAIRCASE</u>:

- 1. The staircase of the building shall be enclosed type. Entire construction shall be made of bricks / R.C.C. type having Fire resisting capacity not less than 4 hours.
- 2. The staircase of the building shall have permanent vents at the top and openable sashes at each floor level in the external wall of the building.
- 3. The width of the staircases shall be made as marked in the plan. Corridors and the exit doors shall conforming the relevant building rules with up-to-date amendments.
- 4. All the staircase shall be extended up to terrace of the building and shall be negotiable to each floor.
- 5. Fire and smoke doors at the entrances of all the Staircase enclosures as marked in the plan at each floor level shall be provided. The F.C.D. shall be of at least one hour Fire resisting wire glass window fitted with self-closing type openable in the direction of escape.

#### D. <u>LIFT</u>:

- 1. The walls of the lift enclosure shall be at least two hours Fire resisting type. Collapsible gate shall not be permitted.
- 2. One of the lift shall be designed for Fire Lift. The word "FIRE LIFT". Shall conspicuously written at ground floor.
- Lift and Lift Lobby communicate to the basement shall have to be pressurized as per guide line of N.B.C.-IV, Annex 'C'.

#### E. <u>REFUGE AREA</u> :

1. Refuge area is not less than 15 Sqm. Shall be provided on the external wall with cantilever projection or other suitable means at 8<sup>th</sup>, 13<sup>th</sup> & 18<sup>th</sup> floor levels of the building as shown in the drawings.

Prevention

23

- 2. The Refuge areas shall be of Fire resisting construction and protected with self-closing F.C.D. at the entrance from the corridors at staircase lobbies.
- 3. The position of Refuge areas shall be such so that they are negotiable by the Fire Services Ladder from the Ground.

#### F. <u>BASEMENT</u>:

- 1. The basement shall be adequately ventilated.
- 2. Additional staircase from the open air as shown in the drawing shall be constructed beside the ramps conforming relevant I.S. Specification.
- 3. The basement shall be protected with Auto Sprinklers system/ hose reel system etc.
- 4. Mechanical extractor for Smoke Venting system from lower/upper basement levels shall also be provided. The system shall be of such design as to operate on actuation of heat/smoke sensitive detector or sprinkling. It shall also have an arrangement to start it manually.
- 5. Mechanical extractors shall have an alternative source of supply.

#### G. FIRE FIGHTING WATER :

Underground water reservoir having water capacity of 150,000 ltrs. and overhead reservoir of 25,000 ltrs. capacity exclusively for Fire fighting purpose with replenishing arrangements @ 1000 lts./min. Preferably from two different sources of water supply shall be provided. The water reservoir shall have overflow arrangement with the domestic water reservoir as well as to avoid stagnancy of water. The water reservoir shall be kept full at all time.

#### H. <u>HYDRANT SYSTEM</u>:

- 1 The building shall be provided with Wet Riser at 150 mm. internal diameter Pipe Line with provision of landing valves at the Staircase landings / half landings at the rate of one such riser for 1000 Sq.m. of floor area. The system shall be so designed that shall be kept charged with Water all the time under pressure and capable to discharge 2850 lts/min. at the ground floor level outlet and minimum 900lts/min. at the top most outlet. In both cases the running pressure shall not be less than 3.5Kgs/Sq.cm. All other requirements shall conforming I.S. 3844 1989.
- 2 Provision for Hose Reel in conjunction with Wet Riser shall be made at each floor level. Conforming the relevant I. S. Specifications.
- 3 Yard Hydrant/Ring Main Hydrant with provision of adequate numbers Hydrant shall be installed surrounding the building in accordance with relevant I.S. specifications.

#### I. SPRINKLER INSTALLATION:

1. The automatic Sprinkler installation shall be provided in Basement and in all floor areas of the building as per I.S. 9972. Alarm gang to be incorporated along with the sprinkler system.

#### J. <u>FIRE PUMP</u>:

Provision of the Fire Pump shall have to be made to supply water at the rate-designed pressure and discharge into the Water based system, which shall be installed in the building. One such pump shall always be kept on stand-by preferably be of diesel driven type.

A Separate Fire pump shall preferably be made for the total Sprinkler Installation of the Building. Provision of Jockey Pump shall also have to be made to keep the Water based system under pressurized condition at all the time. All the pumps shall be incorporated with both manual and auto starting facilities. The suction of pumps shall preferably of positive type or in case of negative suction the system shall be wet riser-cum-down comer with suitable terrace pump with overhead tank.

Prevention

#### K. <u>ELECTRICAL INSTALLATION & DISTRIBUTION :</u>

- 1 The electrical installation including transformers, Switch Gears, Main & Meters etc. and the distribution system of the premises shall be made satisfying the code of practice for Fire safety in general building as laid down in I.S. specification 1946 1982.
- 2 The vertical ducts shall be supply sealed at alternative floor level.
- 3 The electrical installation shall be adequately protected with CO<sub>2</sub>/D.C.P.
- 4 Alternative Power Supply :

Arrangements shall have to be made to supply power with the help of a generator to operate at least the Fire Pump, Pump for deep Tube-well, Fire Alarm System, etc. and also for illuminating the Staircase, corridors etc. and other places of assembly of the building incase of normal power failure.

#### L. <u>DETECTION AND ALARM SYSTEM</u>:

- 1. Manually operated Electrical Fire Alarm system with at least three numbers of break glass typecall boxes fitted with Hooters along with public address system, at each floor connecting with visual panel board shall be made in Control Room. The Control Room shall be located at the entrance of Ground Floor of the building, other requirements of the system shall be made conforming I.S. 2189 1988.
- 2. Auto fire detection system with the help of heat and smoke detector shall be installed in all places of below and preferably above false ceiling of the building. The system shall also be made in places of rooms where valuable articles have been kept. The other requirements of the system shall be made in accordance with I.S. 2189-1988.
- 3. Hooter will be sounded in such a manner so that an operation of a Detector or Manual Call Point Hooters will sounded on the same floor and immediate alternate floor.

#### 4. Public Address System :-

Public address system linked between all floors and Control Room shall have to be established.

#### M. FIRST AID FIRE FIGHTING SYSTEM:

First Aid Fire fighting arrangement in the style of placing suitable type of portable Fire Extinguishers, Fire Buckets etc. in all floors and vulnerable locations of the premises shall be made in accordance with I.S. 2190 – 1992.

#### N. GENERAL RECOMMENDATIONS:

- 1 Fire License shall have to be obtained for proposed storing and processing with L.P.G. and other highly combustible articles.
- 2 Fire Notice for Fire Fighting and evacuation from the building shall be prepared and be displayed at all vulnerable places of the building.
- 3 Floor numbers and directional sign of escape route shall be displayed prominently.
- 4 The employees and security staff shall be conversant with installed Fire Fighting equipments of the building and to operate in the event of Fire and Testing.
- 5 Arrangement shall be made for regular checking, testing and proper maintenance of all the Fire Safety installation and equipments installed in the building to keep them in perfectly good working conditions at all times.

Prevention

6 A crew of trained Fireman shall be maintained round the clock for safety of the building.

- 7 Mock Fire practice and evacuation drill shall be performed periodically with participation of all occupants of building.
- 8 Each year a certificate is to be obtained from the **Director General**, West Bengal Fire & Emergency Services certifying about the satisfactory services, performance of all the Life and Fire Safety arrangements and installation of the building.

On compliance of all the above Fire safety recommendations, the **Director General**, West Bengal Fire & Emergency Services shall be approached for necessary inspection and testing of the installation, Fire Safety Certificate in favour of the occupancy shall be issued on being satisfied with the tests and performances of safety aspects of installation of the building.

**N.B.**: Any deviation and changes the nature of use of the building in respect of the approved plan drawing, without obtaining prior permission from this office, this Fire Safety Recommendation will be treated as cancelled.

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DIRECTOR IN CHARGE FIRE PREVENTION WING WEST BENGAL FIRE& EMERGENCY SERVICES



#### STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Pranisampad Bhavan, Block 'LB'-2, 5<sup>th</sup> Floor, Sector – III, Salt Lake, Kolkata – 700 106 Telefax No. 033 2335 5246 Website : <u>www.environmentwb.gov.in</u>

#### No. 2017 /EN/ T-II-1/047/2017

Date: 20 / 08 /2018

То

M/s. Square-Four Housing & Infrastructure Development Pvt. Ltd. 238A, A.J.C. Bose Road, 2<sup>nd</sup> Floor, Suit No. 2B Kolkata – 700 020

SUB. : Environmental Clearance for proposed expansion of the residential complex "UDDIPA" at Premises No. – 1, Kashinath Dutta Road, Baranagar Municipality, Dag No. – 921 to 925, J.L. No. – 8, P.S. – Baranagar, Dist. – North 24 Paraganas, West Bengal by M/s. Square Four Housing & Infrastructure Development Pvt. Ltd. (Previously M/s. Overflow Tradelink Pvt. Ltd.)

Sir,

This has a reference to your application submitted on 11/07/2017 and subsequent communications for environmental clearance for the proposed expansion of the residential complex "UDDIPA" at Premises No. – 1, Kashinath Dutta Road, Baranagar Municipality, Dag No. – 921 to 925, J.L. No. – 8, P.S. – Baranagar, Dist. – North 24 Paraganas, West Bengal by M/s. Square Four Housing & Infrastructure Development Pvt. Ltd. (Previously M/s. Overflow Tradelink Pvt. Ltd.)

The proposal has been examined and processed in accordance with the EIA Notification, 2006. It was noted that the project had previously received Environmental Clearance for a built up area of 37444.12 sq.m. vide Memo No. 2331/EN/T-II-1/071/2015 dated 21.10.2016. The proposed project is for vertical expansion consisting of additional 2 floors of a residential complex comprising of 3 Blocks from B+G+18 to B+G+20 storied. Total built up area of the project is 40946.936 sq. m.

Project Details	As per Environmental clearance issued vide No. 2331/EN/T-II-1/071/2015 dated 21.10.2016	Expansion Project	Total Project (after expansion)
Block details	3 Blocks (B+G+18)	3 Blocks (2 Additional Floors)	3 Blocks (B+G+20)
Built Up Area	37444.12 sqm	3502.816 sqm	40946.936 sqm
Land Area	9696.94 sqm		9696.94 sqm
Land Left for Road Widening	812.186 sqm.		Abutting Road width – 12.2 m Road Length – 65.974 m Land Left for Road Widening – 804.883 sqm
Net Land Area	8884.754 sqm.		8892.06 sqm
Nos. of flats (along with configuration like 2BHK / 3BHK)	2-BHK=108 3-BHK= 216 Total= 324	2-BHK=12 3-BHK= 24 Total= 36	2-BHK=120 3-BHK= 240 Total= 360
Project Cost	98 crores	7 crores	105 crores

It is noted that the salient features of the project, for which Environmental clearance has been considered are as follows :

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Conditions for environmental clearance for proposed expansion of the residential complex "UDDIPA" at Premises No. – 1, Kashinath Dutta Road, Baranagar Municipality, Dag No. – 921 to 925, J.L. No. – 8, P.S. – Baranagar, Dist. – North 24 Paraganas, West Bengal by M/s. Square Four Housing & Infrastructure Development Pvt. Ltd. (Previously M/s. Overflow Tradelink Pvt. Ltd.)

Project Details	As per Environmental clearance issued vide No. 2331/EN/T-II-1/071/2015 dated 21.10.2016	Expansion Project	Total Project (after expansion)
Maximum height of the building	58.8 m	6.1 m	64.9 m
Expected Population	1801 persons (residents – 1512, temporary – 289)	202 persons (residents – 168, temporary – 34)	2003 persons (residents – 1680, temporary – 323)
Total Water Requirement	268.5 KLD	25.13 KLD	293.75 KLD
Freshwater Requirement	172.5 KLD	15.71 KLD	188.21 KLD
Wastewater generated	219 KLD	20.39 KLD	239.51 KLD
Treated Wastewater Reused	96 KLD	9.42 KLD	105.54 KLD
Treated Wastewater discharged	123 KLD	10.46 KLD	133.46 KLD
Solid waste generated	948 kg/day	92.5 kg/day	1040.5 kg/day
Plantation proposed	195 nos.	195 nos.	195 nos.
Solar Street Lights	20 nos.	-	20 nos.
Use of solar power			At least 1% of total demand load to be met from solar power source
DG set details	2 Nos. 320 KVA	-	1 no. 320 KVA & 1 no. 380 KVA
Car Parking Provided	Open=118 Covered =206 Total = 324	36 nos.	Total = 363
Ground coverage	2033.36 sqm (22.886 % of Net land area)	-	2033.36 sqm (20.97% of total land area) (22.87 % of Net land area)
Exclusive Tree Plantation Area	1794.41sqm (20.197 % of Net land area)	-	1801.72 sqm (20.26 % of Net land area)
Exclusive Paved Area	1725.925 sqm (19.426 % of Net land area)	55.87 sqm (0.629 % of land area)	1781.80 sqm (20.04% of Net land area)

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Conditions for environmental clearance for proposed expansion of the residential complex "UDDIPA" at Premises No. – 1, Kashinath Dutta Road, Baranagar Municipality, Dag No. – 921 to 925, J.L. No. – 8, P.S. – Baranagar, Dist. – North 24 Paraganas, West Bengal by M/s. Square Four Housing & Infrastructure Development Pvt. Ltd. (Previously M/s. Overflow Tradelink Pvt. Ltd.)

Project Details	As per Environmental clearance issued vide No. 2331/EN/T-II-1/071/2015 dated 21.10.2016	Expansion Project	Total Project (after expansion)
Semi Paveď Area	160.439 sqm (1.806% of Net land area)	56.238 sqm (0.633 % of land area)	216.68 sqm (2.44% of Net land area)
Open Parking Area	821.237sqm (9.243 % of Net land area)	Decrease of 215.596 sqm area	605.64 sqm (6.81% of Net land area)
Other Green Area	312.015 sqm (3.512 % of Net land area)	Decrease of 52.88 sqm area	259.13 sqm (2.91% of Net land area)

State Level Environment Impact Assessment Authority (SEIAA), examined the proposal and also perused recommendations of the State Level Expert Appraisal Committee (SEAC). After due consideration of the project proposal, and after considering the recommendations of the State Level Expert Appraisal Committee (SEAC), the State Level Environment Impact Assessment Authority accords Environmental Clearance to the project as per provisions of the EIA notification no. S.O. 1533 (E) dt. 14th September, 2006 of Ministry of Environment & Forests, GOI, in supersession of earlier EC vide no. 2331/EN/T-II-1/071/2015 dated 21.10.2016 subject to strict compliance of terms and conditions as mentioned below.

#### Part A – SPECIFIC CONDITIONS

#### I. Construction Phase

(a) Steps to avoid disturbance during construction: -

- i. Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas and external services. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.
- ii. All the topsoil excavated during construction activities should be under cover/stored by retaining walls for use in horticulture / landscape development within the project site. Adequate erosion and sediment control measures to be adopted before ensuing construction activities.
- iii. Prior permission should be obtained from the competent authority for demolition of the existing structure, if any. Waste recycling plans should be developed for prior to beginning of demolition and construction activity. The plans should identify wastes to be generated and designate handling, recycling and disposal method to be followed.
- iv. Disposal of muck including excavated material during construction phase should not create any adverse effects on the neighbouring communities and disposed off taking the necessary precautions for general safety and health aspects.
- v. Diesel generator sets during construction phase should have acoustic enclosures and should conform to E(P) Rules prescribed for air and noise emission standards.
- vi. Vehicles / equipment deployed during construction phase should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peaking hours. Plastic/tarpaulin sheet covers shall be provided for vehicles bringing in sand, cement, murram and other construction materials prone to causing dust pollution at the site as well as taking out debris from the site.

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- vii. Ambient noise levels should conform to residential standards both during day and night. Fortnightly monitoring of ambient air quality (PM, SO2 and NO2) and equivalent noise levels should be ensured during construction phase.
- viii. Construction spoils including bituminous material and other hazardous materials including oil from construction equipments must not be allowed to contaminate watercourses and the dump sites for such material must be secured so that they should not leach into the ground water. If necessary, oil trap should be installed where there is deployment of heavy machineries.
- ix. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.
- x. Regular supervision of the above and other measures should be in place all through the construction phase so as to avoid disturbance to the surroundings. Discomfort in the neighbourhood due to the proposed project activity should be minimized as far as practicable.
- xi. Loading and unloading operations should not be carried out in open areas and should be preferably done during day time, if there is any major settlement in the surrounding areas. The construction activities including Piling work, Operation of Ready Mix Plant and Vibrator etc. should not be carried out during the night time (10 P.M. to 6 A.M.). Only essential operations, if any, may be carried out for a limited period during nighttime.
- xii. The proponent must ensure that no driven piles shall be proposed for this project, if there is any major settlement in the surrounding areas.
- xiii. Dust, smoke & other air pollution prevention measures shall be provided for the building as well as the site. These measures shall include screens for the building under construction, continuous dust / wind breaking walls all around the site (at least 3m height).
- xiv.Use of Ready-Mix concrete is recommended for this project.
- xv. Adequate measures to be adopted to avoid wastage of water for curing of concrete structures.
- xvi. Adequate mitigative measures should be adopted to control dust emissions, noise and vibrations from construction activities. Vehicles and construction machineries should be properly maintained. Vehicles should conform to Pollution under control (PUC) norms.
- xvii. Locally available materials with less transportation cost should be used preferably.
- xviii. Promotion of use of cleaner fuel and fuel quality improvement should be done. Excessive energy consumption and fuel usage should be avoided.
  - xix. Accumulation / stagnation of water should be avoided to ensure vector control.
  - (b) Selection of materials for better energy efficiency: -
  - i. Use of energy efficient construction materials should be ensured to achieve the desired thermal comfort.
  - ii. Design layout should ensure adequate solar access and ventilation. Proper planning and window design for daylight integration should be considered.
  - iii. Fly Ash is to be used for construction as per Notification No. S.O. 763(E) dated 14.09.1999 amended vide Notification No. S.O. 979(E) dated 27.08.2003, S.O. 2804(E) dated 03.11.2009 and S.O.254(E) dated 25.01.2016 of the Ministry of Environment & Forests, Govt. of India.
  - iv. Construction should conform to the requirements of local seismic regulations. The project proponent should obtain permission for the plans and designs including structural design, standard and specifications from concerned authority.
  - v. Construction technologies that require less material and possess high strength should be adopted. Materials with low embodied energy and high strength should be used preferably.
  - vi. The building will be constructed and provisioned to use natural sunlight to the maximum during the day time, during use.

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- vii. Use of alternate building materials and alternate construction techniques should be considered apart from the conventional materials and methods. Use of hollow unit masonry should be considered.
- viii. Use of environment friendly materials in bricks, blocks and other construction materials, shall be required for at least 20% of the construction material quantity. These include fly ash bricks, hollow bricks, AACs, Fly ash lime gypsum blocks, compressed earth blocks and other environment friendly materials.
- ix. Use of energy efficient lighting systems e.g. LED etc. should be promoted. Solar energy should be used for outdoor lighting. Adequate no. of solar lights should be installed for external lighting as per norms. All outdoor & common area lighting will be LED system.
- x. Solar water heating arrangement will be provided to meet 20% of the hot water demand of the commercial and institutional building and as far as possible for residential buildings.
- xi. Concept of passive solar design that minimize energy consumption in buildings by using design elements, such as building orientation, landscaping, efficient building envelope, appropriate fenestration, increased day lighting design and thermal mass etc. shall be incorporated in the building design.
- xii. Proper insulation of roof should be provided to achieve desired thermal comfort. Use of light coloured, reflective roofs having an SRI (solar reflectance index) of 50% or more should be incorporated.
- xiii. Use of high albedo or reflective pavements to keep parking lots, pavements and inside roads cool should be incorporated.
- xiv.Guidelines to the occupants should include usage efficiency measures such as energy efficient lighting and water efficient system.
- xv. Reduce hard paving-onsite (open area surrounding building premises) and/or provide shade on hard paved surfaces to minimize heat island effect and imperviousness of the site.
- xvi. Adequate open space, greenery and water bodies to be provided as per rules.
- xvii. Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured.
- xviii. Any proposed building with air-conditioning facility should follow the norms proposed in the ECBC regulations framed by the Bureau of Energy Efficiency. Chillers should be CFC & HCFC free.
  - xix. Restrict the use of glazed surface as per National Building Code 2005 and as amended thereafter.
  - xx. Wall, window and roof u-values shall be as per ECBC specifications.
  - xxi.At least 1% of total demand load to be met from solar power source.

### (c) Water Body Conservation: -

- i. Existing water body (if any) should not be lined and the embankment should not be cemented. The water body is to be kept in natural condition without disturbing the ecological habitat.
- ii. No construction is allowed on wetland and water bodies.

### (d) Plantation Proposal: -

- i. The unit should strictly abide by The West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules. The proponent should undertake plantation of trees over at least 20% of the total area.
- ii. No tree can be felled without prior permission from the Tree Cutting Authority constituted as per the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules.
- iii. The proponent should plant at least **195** nos. of trees as proposed. Indicative list of species is given in Annexure – I. The landscape planning should include plantation of native species. The species with heavy foliage and wide canopy cover are desirable. Water intensive and/or invasive species should not be used for landscaping.
- iv. Provision for Roof Top Gardening is mandatory.

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### (e) Water supply: -

i. Water requirement during construction phase shall be met from Baranagar Municipality supply. Ground water should not be abstracted without prior permission from the competent authority as per the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.

### (f) Sewage Treatment Plant: -

i. As per the proposal submitted by the proponent waste water shall be treated in septic tank to soak pit. Construction waste water to be collected in sedimentation trap with adequate retention time and to be reused.

### (g) Storm water Management & Mitigation of Heat Island Effect: -

- i. Imperviousness of the site shall not exceed the NBC (National Building Code 2005 and as amended thereafter) standards for imperviousness factor applicable to different types of area.
- ii. At least 20% of the open spaces shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- iii. Total paved area of site under parking, roads, paths or any other use should not exceed **25%** of the site area.
- iv. Adequate storm water drainage network to be designed for the project without disturbing the surrounding settlements. Storm water management plan should be implemented so as to prevent sudden discharge of excessive volumes of storm water to the receiving waters thus reducing the shock load on the drainage system and impact on receiving water body.
- v. The natural drain system should be maintained for ensuring unrestricted flow of water. No construction shall be allowed to obstruct the natural drainage through the site.
- vi. Disruption to the natural hydrology of the site should be minimised by reducing impervious cover, increasing on site infiltration and managing storm water runoff.
- vii. Heat island effect should be minimized by use of shading or reflective surfaces, mainly the surfaces that contribute to the heat island effect i.e. streets, sidewalks, parking lots and buildings. White roofs should be provided in the buildings.

### (h) Rain Water Harvesting Scheme: -

- i. A rain water harvesting plan needs to be designed where the recharge bores of minimum one recharge bore per 5,000 square meters of built up area and storage capacity of minimum one day of total fresh water requirement shall be provided.
- ii. The proponent must collect rainwater from roof-top catchments and reuse for various purposes after necessary cleaning. Adequate retention time and storage provisions should be provided for harvesting rainwater.
- iii. All recharge should be limited to shallow aquifer.
- iv. Adequate firefighting storage should be provided as per norms.

### (i) Solid Waste Management: -

- i. Conform to the guidelines on Environment Management of Construction & Demolition Waste by CPCB, March 2017.
- ii. Adequate provision shall be made for storage and segregation of solid waste and adequate means of access shall be provided.
- iii. All construction and demolition debris shall be stored at the site (and not dumped on the roads or open spaces outside) before they are properly disposed. All demolition and construction waste shall be managed as per the provisions of the Construction and Demolition Waste Rules, 2016.

### (j) Transport Management: -

- i. Internal traffic planning and management should be adequate to ensure uninterrupted traffic movement in the area during construction as well as operation phase.
- ii. Clarified Wastewater will be used for sprinkling water on the unpaved internal roads on a regular basis.

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### (k) Others: -

- i. Notification G.S.R. 94(E) dated 25.01.2018 issued by MoEF & CC, Government of India should be complied with.
- ii. Conform to the clause mentioned in the "Manual and standards for EC for large construction projects" published by MoEF & CC, Government of India.
- iii. All mandatory approvals and permission as required from Director of Explosives, Fire Department etc. should be obtained.
- iv. Efficient management of indoor air quality must be ensured for health and safety of the users.
- v. Adequate measures to be adopted for water conservation during construction and operation stage. Use of efficient irrigation equipment, evaporative cooling unit in air-conditioning system etc should be considered.
- vi. Rest room facilities should be provided for service population.

### **II** Operation Phase

# (a) Water supply: -

- i. Water requirement during construction phase shall be met from Baranagar Municipality supply. Ground water should not be abstracted without prior permission of the competent authority as per the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.
- ii. Use of water meter conforming to ISO standards should be installed at the inlet point of water uptake to monitor the daily water consumption. Use of water efficient devices / fixtures and appliances should be promoted.
- iii. The proponent must practice rainwater harvesting on regular basis.

### (b) Sewage Treatment Plant: -

- i. As per the proposal submitted by the proponent, waste water shall be treated in STP. Treated waste water shall be partly reused for toilet flushing through dual plumbing, landscaping; internal road and pavement cleaning etc. Excess treated water shall be discharged as per CPCB norms.
- ii. Backup power for operation of STP should be kept during power failure.

### (c) Emission from Diesel Generator Set: -

- i. Noise barriers will be provided at appropriate locations so as to ensure that the noise levels do not exceed the prescribed standards. Diesel generator sets should be provided with integral acoustic enclosure at the manufacturing stage itself as per CPCB norms.
- ii. The stack height and emissions from D.G. sets should conform to the norms of Central Pollution Control Board. The certification of space design for DG sets should be done by competent authority.

### (d) Ensure Energy Efficiency: -

- i. Use of energy efficient construction materials to achieve the desired thermal comfort should be incorporated. The desired level of R and U factors must be achieved. U factor for the top roof should not exceed 0.4 Watt/sq.m/degree centigrade with appropriate modifications of specifications and building technologies. The provisions of National Building Code 2005 and as amended thereafter should be strictly followed.
- ii. Use of energy efficient electrical systems should be promoted. High efficiency lamps with electronic ballasts should be used.
- iii. Energy efficient Motors and properly rated Transformers should be installed. Manufacturer's certificate to this effect shall be obtained and kept on record. Backup power supply should be based on cleaner fuel.
- iv. The power cabling shall be adequately sized as to maintain the distribution losses not to exceed 1% of the total power usage. Record of transmission losses shall be maintained. The proponent shall install permanent electrical metering to record demand (kVA), energy (kWh) and total power factor.
- v. At least 1% of total demand load to be met from solar power source.

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### (e) Transport Management: -

- i. Use of public mode of transportation should be promoted. Use of the least polluting type of transportation should be promoted. Adequate parking space should be provided as per norms.
- ii. Pathways should be covered or shadowed by tree canopy as far as practicable. Transport system should be such that traffic will be calm in neighbourhoods. Traffic within the project site should be restricted by regulation. Adequate vertical and horizontal clearances of overhead electric power and telecommunication lines should be provided.

### (f) Solid Waste Management: -

- i. The proponent should abide by the Solid Waste Management Rules, 2016. The proponent must develop the Solid Waste Management and Disposal Scheme ensuring storage and segregation of biodegradable and non-biodegradable wastes. The solid waste is to be disposed off in consultation with concerned authority.
- ii. The proponent shall install onsite compost plant for treatment of biodegradable part of Municipal Solid Waste. Sufficient space for installation of onsite compost plant should be provided and operation of the compost plant considering full occupancy of the apartments i.e. the capacity of garbage disposal unit should be selected accordingly.
- iii. The handling agency should also take care of the recyclable wastes like plastic, paper board, glass etc. and also inert materials in case of respective municipal authorities want to avoid any kind of waste from the housing complex.
- iv. The proponent should have sufficient area for horticulture where the compost generated can be used as fertilizer and soil supplement and also have arrangement for sale of excess quantity of compost.
- v. Provision for treatment of leachate generated and odour control in on-site compost plant should be made.
- vi. Non-recyclable inorganics and rejects will be disposed off through concerned authority as proposed.
- vii. The proponent should provide different coloured bins for different categories of waste and ensure complete segregation of biodegradable and non-biodegradable wastes. The solid waste from different collection and storage bins should be finally collected at transfer stations. Further segregation will be done at transfer stations to collect recyclables such as plastic, polythene, glass, metals, textiles, rubbers, leathers, paper etc. Separate compartments shall be provided for each type of recyclables.
- viii. The proponent should abide by the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Collection and storage of hazardous wastes during Pre-construction and Post-construction activity should be planned properly. The expected hazardous wastes should be disposed off separately as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
- ix. Spent oil from DG Sets should be stored in HDPE drums in isolated covered facility and disposed off as per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016. Spent oil from DG Sets should be disposed off through registered recyclers only.
- x. The provisions of the Solid Waste Management Rules, 2016 and the E-waste (Management) Rules, 2016 and the Plastics Waste Management Rules 2016 shall be followed.
- (g) Others: -
- i. The implementation of Environmental Management Plan should be carried out, as proposed. Regular monitoring should be carried out during construction and operation phases.
- ii. The project proponent should provide guidelines to the users to ensure conservation of energy and water. In-house environmental awareness campaigns should be carried out at regular intervals to ensure environmental protection.

Acref

- iii. The Enterprise Social Commitment (ESC) Plan with specific financial commitment should be implemented for the proposed project. At least 2.5% of the total project cost should be utilized for Corporate Social Responsibility programmes.
- iv. The proponent should abide by the Direction issued by the Department of Environment, Government of West Bengal, vide No. EN/3170/T-IV-7/001/2009 dated 10.12.2009.
- v. Environmental Management Information System shall be maintained properly.
- vi. The proponent should restrict the use of glazed surface as per National Building Code 2005 and as amended thereafter .
- vii. All the recommendation made in the EIA/EMP report should be complied with.

### Part-B GENERAL CONDITIONS

- i. The environmental clearance accorded shall be valid for a period of 7 years for the proposed project.
- ii. Prior Consent-to-Establish (NOC) for the proposed project must be obtained from WBPCB by the proponent. All other statutory clearances should be obtained by project proponent from the competent authorities.
- iii. The proponent should maintain a display board at the site, providing detailed information on the salient features of the proposed project.
- iv. The environmental safeguards contained in the EIA/EMP report should be implemented in letter and spirit.
- v. All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownership, maintenance of management of the project to any other entity.
- vi. The project proponent should make financial provision in the total budget of the project for implementation of the suggested safeguard measures.
- vii. Six monthly monitoring reports should be submitted to the West Bengal Pollution Control Board, who would be monitoring the implementation of environmental safeguards and should be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents should also be forwarded to the State Level Environment Impact Assessment Authority, West Bengal and also to Regional Office of MOEF&CC, Bhubaneswar.
- viii. In case of any violation of the conditions laid down in this Environmental Clearance, Section 16 of The Environment (Protection) Act, 1986, will be applicable. In case of any change(s) in the scope of the project, the project would require a fresh appraisal by the SEIAA, West Bengal.
  - ix. The State Level Environment Impact Assessment Authority, West Bengal reserves the right to add additional safeguard measures subsequently, if found necessary, and to take action including revoking of the environment clearance under the provisions of the Environmental (Protection) Act, 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.
  - x. The Project Proponent should inform the public that the proposed project has been accorded environmental clearance by the SEIAA, West Bengal and copies of the clearance letter are available with the State Pollution Control Board / Committee and may also be seen at website of the SEIAA, West Bengal (http://environmentwb.gov.in). This should be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned.
- xi. All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Civil Aviation Department (if required) etc. shall be obtained by project proponents from the competent authorities.
- xii. Provision for incorporation of appropriate conditions in the Sale Agreement / Deed, for ensuring sustained Operation and Maintenance (O&M) of the common facilities (STP, Rainwater harvesting

O On-

system, Solid waste management system, Solar street lights etc.) even after transfer of ownership of the project, should be made in explicit and transparent manner.

xiii. The above stipulations would be enforced along with those under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.

xiv. The contact details of the proponent and the name of the consultant are given below -

Name of the Contact person with Designation	Mr. Somnath Samanta, Director		
Address	238A, A J C Bose Road, 2 <sup>nd</sup> Floor, Suite No. 2B, Kolkata - 700020		
Email	contact@squarefourgroup.com		
Telephone Number, Fax Number	(033) 2290 3179/3185		
Name of the Environmental Consultant	M/s. Envirotech East Pvt Ltd.		

Yours faithfully,

0

( Sandipan Mukherjee, IFS ) Chief Environment Officer & Member Secretary, SEIAA

### Date: 20 / 08 /2018

# No. 2017 /EN/ T-II-1/047/2017/1(3)

Copy forwarded to :-

1. Secretary, SEAC & M.S. WBPCB

- Officer-in-Charge, Regional Office (Eastern Zone), Ministry of Environment, Forests & Climate Change, Government of India, A-3, Chandrashekharpur, Bhubaneswar – 751 023, Orissa.
- 3. Guard file / Record file.

Sd/-Chief Environment Officer & Member Secretary, SEIAA

Annexure – I

# LIST OF TREES PROPOSED FOR PLANTATION

Sl. No.	BOTANICAL NAME	COMMON NAME	QUANTITY
1.	Mimusops elengi	Bakul	30
2.	Lagerstroemia speciosa	Jarul	30
3.	Delonix regia	Gulmohor	10
4.	Alstonia scholaris	Chatim	30
5.	Azadirachta indica	Neem	25
6.	Bauhinia variegata	Kanchan	20
7.	Anthocephalus cadamba	Kadam	10
8.	Peltophorum pterocarpum	Radhachura	5
9.	Artocarpus heterophyllus	Kanthal	5
10. Michelia champaca		Champa	5
11.	Polyalthia longifolia	Devdaru	25
		Total	195

Sant

(For internal circulation only)

SI. No. 472/ NOC NO159

# **WEST BENGAL POLLUTION CONTROL BOARD**

Paribesh Bhawan 10A, Block-LA, Sector-III Bidhannagar, Kolkata-700 098

Memo No. 242 - 2N-70/2015(5)

Dated 4.03,249

From : Member Secretary, West Bengal Pollution Control Board

To :	M/s. Square	Four Housin.	j & Infrastructure	Development Private
		Bose Road,	2nd Floor, Suit N	0.2B, Kolkata-700 020.

Sub : Rei : Consent to Establish (NOC) from Environmental Point of View

Dear Sirs,

expansion

In response to the application for Consent to Establish (NOC) for proposed Unit of M/s Square Four Housing & Infrastructure Development Pvt. Ltd. (Previously M/s.Overflow Tracing Pvt. Ltd.) for manufacturing/storage/installation additional construction of 3502.816 scm of total built up area ( for details see Annexure-I) of the residential complex "UDDIPA" at Premises No.1,Kashinath Dutta Road,Baranagar Municipality, at Day Nos.921-925, JL No.8, PS-Baranagar, Dist.-North-24 Parganes,West this is to inform you that this Board hereby grants the Consent to Establish (NOC) from the environmental point

of the above subject to the following conditions and special conditions annexed.

1. The quality of sewage and trade effluent to be discharged from your factory shall satisfy the permissible limits as prescribed in IS: 2490 (Pt. I) of 1974, and/or its subsequent amendment and Environment (Protection) Rules 1986,

2. Suitable measures to treat your effluent shall be adopted by you in order to reduce the pollutional load so that the quality of the effluent satisfies the standards mentioned above,

3. You shall have to apply to this Board for its consent to operate and discharge of sewage and trade effluent according to the provisions of the water (Prevention & Control of Pollution) Act, 1974. No sewage or trade effluent shall be discharged by you without prior consent of this Board.

4. All emission from your factory shall conform to the standards as laid down by this Board,

- 5. No. emission shall be permitted without prior approval of this Board and you shall apply to this Board for its consent to operate and atmospheric emission as per provision of the Air (Prevention & Pollution) act, 1981,
- 6. No industrial plant, furnace, flues, chimneys, control equipment, etc. shall be constructed/reconstructed/ erected re-erected without prior approval of this Board,

la = 1 Ja 14-01/05/2018.

NOC

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### 7. You Ghan 20 min with

- (i) Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
- (ii) Water (Prevention and Control of Pollution ) Cess Act, 1978, if applicable.
- (iii) Environment (Protection) Act, 1986
- (iv) Environment (Protection) Rules, 1986
- (v) Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
- (vi) Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
- (vii) Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
- (viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992
- (ix) The Public Liability Insurance Rules, 1991 and Amended Rules 1993
- (x) Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable.
- (xi) Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
- (xii) Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable
- You will have to abide by any other stipulations as may be prescribed by any authority/local bodies/Government Departments etc.

#### **SPECIAL CONDITION:**

see annexure.

Gross capital Investment ; Rs.7 Crores.

Any violation of the aforesaid conditions shall entail cancellation of this Consent to Establish (NOC)

Yours faithfully.

West Bengal Pollution C

Dated .....

### -211-70/2015(E)

Vill, Panpur

#### Memo No. ..

Copy forwarded for information to :

- 1. Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001
- 2. Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata-700 001
- 3. Guard file, West Bengal Pollution Control Board.
- 4. Environmental Engineer, I/II/Alipur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./Malda R.O./ Asansol Sub-R.O./WBPC Board
  - Himalaya Bhawan Delhi Road, Dankuni Dist. Hooghly

Paribesh Bhawan 10A, LA-Block, Sector-III Salt Lake City, Kolkata-700 098

Satya Chowdhury Indoor Stadium Balurchar Bandh Road Malda-732101 Kalyani ExpresswayCP.O. NarayanpurDist. 24 Pgs. (N)Block-05 at 40FFlats ComplexMAdjacent to PriyambadaDHousing EstateP.O. : Khanjanchak,P.S. DurgachakHaldia-721602Dist. : Purba MedinipurAsansol Sub-Regional OfficeGhanty Mansion (2nd Floor)60, G. T. RoadAsansol-713 301

Sahid Khudiram Sarani City Centre, Durgapur-16 Dist. Burdwan

Paribahan Nagar Matigara, Siliguri Dist-Darjeeling Bhabani Bhawan 2nd Floor, Alipur Kolkata-700 027

10, Camac Street 2nd Floor Kolkata-700 017

Member Secretary. West Bengal Pollution Control Boar

### Annexure 1 to NOC Sl. No. NO159361

Special Conditions issued to M/s. Square Four Housing & Infrastructure Development Pvt. Ltd. (Previously M/s. Overflow Tradelink Pvt. Ltd.) for the proposed expansion of the residential complex "UDDIPA" at Premises no. 1, Kashinath Dutta Road, Baranagar Municipality, Dag nos. 921 – 925, JL no. 8, PS – Baranagar, Dist – North 24 Parganas, West Bengal

# A. Emission:- Nil

### B. Effluent:-

Domestic – As proposed wastewater generated from the entire project shall be treated in STP of adequate capacity. Treated wastewater shall be partly reused and partly discharged to municipal drain. Discharge of treated waste water shall conform to E(P) Rules. Sewage Treatment Plant should be monitored on a regular basis and records should be maintained properly.

### C. Solid Waste :-

- i. To be collected and disposed off through onsite compost plant and KMC regularly as per the Solid Wastes Management Rules, 2016.
- ii. Provisions of Construction and Demolition Management Rules, 2016 and Guidelines of CPCB on Environment Management of Construction & Demolition Waste, March 2017 to be strictly followed.
- iii. Hazardous wastes generated to be disposed off as per provisions of Hazardous and Wastes (Management and Transboundary Movements) Rules, 2016.

### D. General:-

- 1. The Project Proponent shall have to obtain prior concurrence from the concerned authority for ensuring supply of water, partial discharge of treated sewage and disposal of solid wastes.
- 2. D.G. Set noise level should not exceed the permissible limit. The Project Proponent should ensure that the ambient noise level is maintained within permissible limits during the construction phase.
- 3. The proponent should strictly comply with the standards / guidelines for control of noise from stationery Diesel generator sets. These standards and guidelines are prescribed under the notifications of Ministry of Environment & Forest, Govt. of India, G.S.R. 371(E) [17.05.2002], G.S.R. 489(E) [09.07.2002] and subsequent amendments.
- 4. The following activities are restricted during the night time (10 pm to 6 am), if there is any significant human settlement in the vicinity
- a) Piling work.
- b) Operation of Ready Mix Plant, if installed and Vibrator.
- c) Loading and unloading of construction materials.
- 5. Adequate measures are to be taken to reduce vibration during piling work.
- 6. Water sprinkling arrangement should be ensured at every loading and unloading point to prevent spreading of dust. Rubbish, debris, broken materials and others must be kept properly within project area at suitable place with proper water sprinkling to prevent fugitive dust spreading.
- 7. Provision of drinking water, wastewater disposal and solid waste management should be ensured for labour camps. Proper sanitation facilities should be provided for construction workers to ensure environmental sanitation. Health and safety of the workers should be ensured during construction.
- 8. The project proponent should take necessary care not to cause any inconvenience to the residents of surrounding neighborhood. Regular supervision should be in place all through the construction phase so as to avoid disturbance to the surroundings.
- 9. The Project Proponent will ensure that no accumulation of any kind of water occurs within the project area to prevent breeding of various disease spreading vectors.
- 10. Necessary dust barrier should be provided during construction phase. Before taking up the construction work it is preferable to enclose the area with some enclosure.
- 11. Appropriate arrangement is to be done for rainwater harvesting within the site. The proponent must practice rainwater harvesting on regular basis.
- 12. Ground water should be abstracted only after obtaining prior permission of the Local body as well as the Competent Authority as per the West Bengal Ground Water Resources (Management, Control and Regulation) Act, 2005.

1-1 Ja u-01/05/2019.



### Annexure 1 to NOC Sl. No. NO159361

Special Conditions issued to M/s. Square Four Housing & Infrastructure Development Pvt. Ltd. (Previously M/s. Overflow Tradelink Pvt. Ltd.) for the proposed expansion of the residential complex "UDDIPA" at Premises no. 1, Kashinath Dutta Road, Baranagar Municipality, Dag nos. 921 – 925, JL no. 8, PS – Baranagar, Dist – North 24 Parganas, West Bengal

- 13. Provision of screen wall should be made surrounding the batching plant, if installed for control of fugitive emission from such operation.
- 14. Fly Ash is to be used for construction as per Notification No. S.O. 763(E) dated 14.09.1999 amended vide Notification No. S.O. 979(E) dated 27.8.2003 and S.O. 2804(E) dated 03.11.2009 of the Ministry of Environment & Forests, Govt. of India.
- 15. The proponent should strictly abide by The West Bengal Trees (Protection and Conservation in Non-Forest Areas) Rules, 2007. No trees can be felled without prior permission from the Tree Cutting Authority constituted as per the West Bengal Trees (Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules. Adequate green belt is to be developed within the project site. Water intensive and/or invasive species should not be used for landscaping.
- 16. Proper steps are to be taken so that the flora and fauna are not affected during the construction phase.
- 17. Adequate firefighting storage should be provided as per Rules.
- 18. Adequate parking space should be provided within the project site as per Rules.
- 19. Road design should be done with due consideration for environment and safety of users. The entry and exit points should be designed properly without disturbing the existing traffic.
- 20. Use of energy efficient construction materials should be ensured. Water efficient devices / fixtures should be installed. Energy efficient systems should be installed.
- 21. Adequate provision shall be made for storage of solid waste and adequate means of access shall be provided. Vats / bins should be provided inside the project area from where the wastes are to be disposed off by arrangement with the local body.
- 22. The proponent shall undertake awareness programs for the residents to promote water and energy conservation and to ensure environmental protection.
- 23. No expansion of the project should be undertaken without prior permission of the State Board.
- 24. The unit should not start operation without obtaining 'Consent to Operate' from this Board.
- 25. The proponent should maintain a display board at the site, providing detailed information on the salient features of the proposed project.
- 26. All other statutory clearances as applicable should be obtained from the competent authorities.
- 27. The proponent should abide by the Direction issued by the Department of Environment, Government of West Bengal, vide No. EN/3170/T-IV-7/001/2009 dated 10.12.2009 (Annexure II).
- The proponent should strictly abide by the conditions stipulated in the Environmental Clearance accorded by the State Environment Impact Assessment Authority (SEIAA), West Bengal, vide no. 2017/EN/T-II-1/047/2017 dated 20.08.2018.
- 29. This NOC is valid up to 30.11.2025 for the proposed vertical expansion consisting of additional 02 floors of the residential complex comprising of 03 blocks from (B+G+18) to (B+G+20) storied involving construction of additional built up area 3502.816 sqm (additional number of flats: 2 BHK 12 & 3 BHK 24).

01 105/2018.

Environmental Engineer, (EIM Cell) West Bengal Pollution Control Board



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₹ 10 for every

subsequent line)

\*Conditions apply

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up to 15.30 Hrs. For details & corrigendum if any, Please keep visit www.wbtenders.gov.in www.kmdaonline.org & www.kmwsa.gov.in or contact this office of the undersigned for further information. The authority reserves the right to reject or accept any or

Superintending Engineer (FAWS) /KMW&SA.

all tender without assigning

any reason.

# KOLKATA METROPOLITAN WATER AND SANITATION AUTHORITY Office of the Superintending Engineer, (FAWS) P-4, Dobson Lane, 3rd Floor, Howrah-1 No. : SE (FAWS)/3T-1/2016/274 DATE : 25.10.2016

Directorate

KANT SHARMA, BJP national secretary

HINDUSTAN TIMES, KOLKATA THURSDAY, OCTOBER 27, 2016

THE HEALTH OF UP CONTINUES TO DECLINE. BUT THE CONDITION OF FAMILIES

ABRIDGED e-Tender-NOTICE

Notice inviting e-Tenders are invited by the undersigned in two parts, viz. Part-I and Part-II from reliable, experienced and resourceful agencies who have successfully completed not less than 50% value of similar type of work in a single contract within last 05 (five) years from the date of NIT in any Govt. / Semi Govt./ Statutory or Local Bodies : 1) Name of Works : (a) Supplying and laying of 110 mm dia HDPE distribution main with allied works within Ward nos.-1, 2, 3, 4 & 5 within Maheshtala Municipality under Water Supply Expansion Programme of GRWW Ph-II on Turnkey basis, (b) -Do- 110 mm dia.h and 160 mm dia (ID) HDPE distribution main with allied works within Ward No.- 6 -do-, (c) - Do-110 mm dia. HDPE distribution main with allied works within Ward No.-7 -do- on Turnkey basis; (d) -Do- 110 mm dia. HDPE distribution main with allied works within Ward Nos.- 9 & 10 -do- on Turnkey basis; (e) -Do-110 mm dia. HDPE distribution main with allied works within Ward Nos. -11, 12 & 13 -do- on Turnkey basis; 2) Tender No : SE(FAWS)/T-31, T-32, T-33, T-34 & T-35 of 2016-17; 3) Estimated cost : Rates to be quoted by the tenderer; 4) Earnest Money : 2% of the quoted Amount; 5) Cost of Tender Document : Rs.2,500.00; 6) Time of Completion : 3 (three) months each ; 7) Last date & time of Online-Submission of Bids : 17.11.2016 up to 15.30 Hrs. For details & corrigendum if any, Please keep visit www.wbtenders.gov.in www.kmdaonline.org 8 www.kmwsa.gov.in or contact this office of the undersigned for further information. The authority reserves the right to reject or accept any or all tender without assigning any reason.

Superintending Engineer (FAWS) /KMW&SA

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Business Standard KOLKATA | MONDAY, 27 AUGUST 2018

I, Dilip Halder age 43 years male S/o Late Usha Halder R/o 165, Swinhoe Lane, Kasba, Kolkata-39, shall henceforth be known as Babu Halder as per affidavit before Chief Metropoliton Magistrate Kolkata on 24.08.2018 Dilip Halder and Babu Halder is same & one identical person.

#### W. B. GOVT. eTENDER (Abridge)

e-Tender No.-9 (Sl No.1) of 2018-19 of EE/BHD-II is being invited by the undersigned for 1 (one) no. civil works from Bonafide contractor (**Tender ID**: 2018\_WBPWD\_187357\_1. **Bid proposal submission end date (online)** - 10.09-2018 upto 12.00 P.M. Details will be available on the website : <u>http://etender.wb.nic.in</u> & from the **Notice Board** of the office of the Executive Engineer, Birbhum Hwy. Division No.-II, P.W. (Roads) Directorate, Lambodarpur, Sarak Bhavan, Suri, Birbhum, PIN-731101.

233(2)ADVT./INF/BIR

NIQ NO. 03/AE/PWD/TSD of 2018-19 of Assistant Engineer PWD Tollygunge Sub-Division under Kolkata South Division. Last date of dropping are:-29.08.2018 upto 1.00 P.M at office of the Assistant Engineer, PWD, Tollygunge Sub-Division. Details are available at the office as mentioned above and website www.pwdwb.in

Sd/-Assistant Engineer, PWD, Tollygunge Sub-Division

### NOTICE

THE TINPLATE COMPANY OF INDIA LTD REGD OFFICE : 4, BANKSHALL STREET, KOLKATA-700001. Notice is hereby given that the certificates for the under mentioned securities of the Company have been lost / mislaid and the holders of the said securities/ applicants have applied to the Company to issue duplicate certificates.

Any person who has a claim in respect of the said securities should lodge such claim with the Company at its Registered Office within 15 days from this date, else the Company will proceed to issue duplicate certificates without further intimation.

Name of the Holders: Pinakin Vasantlal Shah, Nilsha Pinakin Shah & Monik Pinakin Shah, Kind of Securities & Face Value: Equity Shares of Rs 10/- each, No. of Securities: 700, Distinctive Nos: 5226551 -

#### 4, MAHATMA GANDHI ROAD, HOWRAH - 711 101 No.: WB-HMC/TN/ED/D.M./10/2018-2019 Date: 21.08.2018 **E-Tender NOTICE** E-Tender is prescribed from are being invited by Executive Engineer, Howrah Municipal Corporation for the work of Development, Beautification & Cleaning the Area under Ward No. 35.36,40 & Nabanna Zone under Howrah Municipal Corporation from the reputed resourceful & bonafide contractors who have sufficient experience in similar nature of work. Related information in detail will be available from E-Tender notice & the Dept. of E.E. /www.wbtender.gov.in. Bid Submission Closing Date 10.09.2018 upto 5.00 P.m. H.M.C authority reserves the right to accept or reject any application without assigning any reason. Order No : 184(3)/18-19 Date : 24.08.18 e-NIT-Paper All the prospective bidders are suggested to go through the website https://wbtenders.gov.in for online e-Tender submission vide NIT No. 106/Dev/PZRMC/2018-19 Dated: 24.08.2018 for 4 nos of works that are mentioned below: 106/Dev/PZRMC/2018-19 (SI. No.: 01) and Tender ID: 2018 WBSMB 187556 2) 106/Dev/PZRMC/2018-19 (SI. No. 02) and Tender ID 2018 WBSMB 187556 2

HOWRAH MUNICIPAL CORPORATION

3) 106/Dev/PZRMC/2018-19 (SI. No. 03) and Tender ID: 2018\_WBSMB\_187556\_3 4) 106/Dev/PZRMC/2018-19 (SI. No. 04) and Tender ID: 2018\_WBSMB\_187556\_4 scretary Secretary

Purulia Zilla Regulated Market Committee, P.O-Rangadih, Dist-Purulia



## कार्यपालक अभियंता का कार्यालय पथ निर्माण विभाग, पथ प्रमण्डल, डालटनगंज

# शुद्धि- पत्र

इस कार्यालय के ई-प्रोक्योरमेंट निविदा आमंत्रण सूचना सं0 जिसका (PR No.- 190504 (Road) 18-19\*D Notice Inviting Tender के कमांक संख्या- 14 में (I) Transit Mixer (Ii) Concrete (Iii) Needle vibrator (Iv) Viberator Nozzle (V) Compactor (Vi) Curing Machine (Vii) Fixed form paver (Viii) Trucks. के स्थान पर (i) Hot Mix Plant (ii) Paver Finisher (ii) Road Rollar (iv) Bitumen Spraye पढ़ा जाय। Instruction to BIDDERS (For F2 Contract) के B का कमांक संख्या- 03 में Condition of के स्थान पर Condition Not पढ़ा जाये। निविदा की अन्य शर्ते यथावत रहेगी।

### ानावदा का अन्य शत यथावत रहे।

बेटी बचाओं बेटी पढ़ाओं।		कार्यपालक	अभियंता	HERE CONSERN
PR 190896(Road) 18-19 #D	पथ निर्माण	विभाग, पथ	प्रमण्डल,	डालटनगंज

कार्यपालक अभियंता का कार्यालय पथ निर्माण विभाष, पथ प्रमण्डल, डालटन्छांज

# शुच्द्रि-पत्र

इस कार्यालय के ई-प्रोक्योरमेंट निविदा आमंत्रण सूचना सं० जिसका (PR No.- 190496 (Road) 18-19\*D द्वारा प्रकाशित निविदा मे Bill of quantity के कमांक सं0- 07 में 23186695.54 के स्थान पर 2138695.00 पढा जाए। Notice Inviting Tender के कमांक संख्या- 14 में (I) Transit Mixer (Ii) Concrete (Iii) Needle vibrator (Iv) Viberator Nozzle (V) Compactor (Vi) Curing Machine (Vii) Fixed form paver (Viii) Trucks. के स्थान पर (I) Hot Mix Plant (ii) Paver Finisher (ii) Road Rollar (iv) Bitumen Spraye पढा जाय। Instruction to BIDDERS (For F2 Contract) के B का कमांक संख्या- 03 में Condition of के स्थान पर Condition Not पढ़ा जाये। निविदा की अन्य शर्ते यथावत रहेगी। कार्यपालक अभियंता पथ निर्माण विभाग

# THE BENGAL ROWING CLUB

पथ प्रमण्डल, डालटनगंज

समस्या का समाधान तुरंत डायल करें - 181 ]

#### **PUBLIC NOTICE**

This is to notify to the public at large that the proposed expansion of our residential complex "UDDIPA" at Premises No.1, Kashinath Dutta Road, Kolkata- 700036, Baranagar Municipal Ward No.25, Mouza Nainan, Dag Nos. 921, 922, 923, 924 & 925, JL No.8, P.S. Baranagar, District North 24 Parganas in West Bengal has been accorded Environmental Clearance (EC) by the State Level Environment Impact Assessment Authority (SEIAA), West Bengal vide its Letter dated 20/08/2018, Ref. Letter No. 2017/EN/T-II-1/047/2017. Copy of the Environmental Clearance Letter is available with West Bengal Pollution Control Board and also at the Website of the SEIAA, West Bengal http://environmentwb.gov.in.

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Project Proponent: M/s Square Four Housing & Infrastructure Development Pvt. Ltd. 238A, A.J.C Bose Road, 2nd Floor Suite No.2B, Kolkata-700 020 West Bengal

EOI No -WBIW/EE/KID/ EOI No. 1 /2018-19 of Kakdwip Irrigation Division Offline EOI has been invited by the undersigned for 1 (one) no. work, Last date of submission of offline EOI 10.09.2018 up to 14:00 Hrs. All necessary details may be obtained from Irrigation & Waterways Departmental portal www.wbiwd.gov.in

কলকাতা সোমবার ২৭ আগস্ট ২০১৮

MARCIC

াধারণ	at 10.30a.m. and to show cause against the charge leveled, failing	Dist.		ালকুহ (৬শান) ফতন', ৮, ক্যামাক স্ট্রিট, ৯ম তল, রুম নং ৮০৭,	আইনের ১০২ ধারা অনুযায়ী, উক্ত সাধার সভায় যে বিশেষ কার্যাদি নির্বাহ হবে সে
দুবিধে	which the matter will be heard ex-parte	1.1	কল্কাতা– ৭০০০১৭, যোগাযোগ: 9831014145, ই–মেল: arun@cskarun.com., ip.arunkhandelia@gmail.com		সংক্রান্ত ব্যাখ্যামূলক বিবরণ এন
	and appropriate orders will be passed.	n anjara		নোটিস	২০১৭-১৮ সালের কোম্পানির বাষি
আগস্ট	Vide Order dated 28.06.2018 State Consumer Disputes Redressal	নিম্নস্বাক্ষ	and the second	দনসাধারণকে জানানো হচ্ছে যে, নিম্নলিখিত স্তম্ভাংশে।	হিসাব এবং সেই সঙ্গে হিসাব পরীক্ষবে
বস্থায় হয়	Commission, West Bengal	উল্লিখিত কলকাত	বিবরণ অনুযায়ী ই–নিলামের মাণ া বেঞ্চের আদেশে নিযুক্ত লিকুইডেট	প্রতিবেদন ও পরিচালকমগুলীর প্রতিবেদ পাঠানো হবে।	
জান	সর্বসাধারণের জন্য বিজ্ঞপ্তি			ট ডেটর)–এর সম্পত্তি বন্দেজের পরিপ্রেক্ষিতে আগ্রহ র্পারেট ডেটরের সম্পত্তি 'যেখানে যেমন আছে' ভিত্তিতে	বার্ষিক সাধারণ সভার জন্য এবং উক্ত সভ
<u>দ</u> ৃগুলি	সর্বসাধারণের জ্ঞাতার্থে জানানো যাইতেছে			রণে উক্ত বিলিবন্দেজের প্রস্তাবে কোনওরকম ওয়ারেন্টি	৩১শে মার্চ, ২০১৮-তে শেষ হওয়া বছরে
মাগের				ঠত হবে অনলাইন ই-অকশন সার্ভিস প্রোভাইডার ই-	
তবে	যে, উত্তর ২৪ পরগনা জেলায় বরানগর	100 P. (54) / 100		দ টাইগার ভায়া ওয়েবসাইট https://ncltauction.auc-	চূড়ান্ত লভ্যাংশ প্রদানের ঘোষণা হলে,
ারানো	থানায় অধিনস্থ বরানগর মিউনিসিপ্যালিটির		er.net মারফত ৭ সেপ্টেম্বর, ২০১৮		প্রদানের জন্য, ২০১৩ সালের কোম্পা
াহয়ে	২৫ নং ওয়ার্ডে অবস্থিত ১ নং কাশীনাথ দত্ত	2, 3	ছাবর সম্পত্তির বিবরণ	এনএইচ-২, বাঁকিপাড়া (খাগরডাঙ্গা) দোমহনি	আইনের ৯১ ধারা অনুযায়ী আরো বিজ্ঞাগি
) <64	রোড, কলকাতা- ৭০০০৩৬-এর অন্তর্গত ৮	100		রোড, মৌজা- আসানসোল, থানা- আসানসোল, জেলা- বর্ধমান, পশ্চিমবঙ্গ- ৭১৩৩৪০-তে অবস্থিত	করা হচ্ছে যে, কোম্পানির সদস্যদের
	নং জে.এল.এর অন্তর্ভুক্ত নৈনান মৌজায়	11		জেলা- বৰ্ষনান, গাতনবস- ৫১৩৩৪০-৩ে এবা হত সম্পত্তির সমগ্র অবিচ্ছেদ্য অংশ:	এবং শেয়ার ট্রান্সফার বই, আগামী ১৯০
		1999		জমির পরিমাণ প্রায় ২৮ ডেসিমেল, নির্মাণের	সেম্টেম্বর, ২০১৮, বুধবার থেকে ২৬
	৯২১, ৯২২, ৯২৩, ৯২৪, ৯২৫ নম্বর দাগের	1000		পরিমাণ প্রায় ৪৮৩০ স্কোঃ ফিঃ এবং বাউন্ডারি ওয়াল	সেম্টেম্বর, ২০১৮, বুধবার পর্যন্ত (উজ
	জমিতে প্রস্তাবিত আবাসন প্রকল্প - উদ্ধীপা-র	1 1 1 1	2月1日に、中国の中国の 第二	তৎসহ গেট প্রায় ৩৫০ স্কোঃ ফিঃ	দিন ধরে), বন্ধ রাখা হবে।
	প্রসারণের জন্য পশ্চিমবঙ্গের স্টেট লেভেল	2. 1	মকশনের তারিখ এবং সময়	৭ সেপ্টেম্বর, ২০১৮, বেলা ২টা থেকে বিকেল ৪টা	যে কোন সদস্য, যিনি বার্ষিক সাধার
相關	এনভায়রনমেন্ট ইমপ্যাক্ট অ্যাসেসমেন্ট	1000		তৎসহ ৫ মিনিটের সীমাহীন সম্প্রসারণ অর্থাৎ অকশন বন্ধ হওয়ার পর্বে শেষ ৫ মিনিটের মধ্যে	সভায় যোগদানের এবং ভোটদানে
যর	অথরিটি (এস.ই.আই.এ.এ.) বিগত ২০শে	11000	Compared in Constant	বিড করা হলে প্রতিটি ৫ মিনিটের সময় দ্বারা	অধিকারী, তিনি তাঁর পরিবর্তে বাযি
T	আগস্ট, ২০১৮ তারিখের তথ্যনির্দেশ সংখ্যা	A long to		ই-অকর্শনের শেষ সময় সম্প্রসারিত হবে।	সাধারণ সভাষ যোগদানের এ
	২০১৭/ই এন / টি-II-১/০৪৭/২০১৭ দারা	0. 3	নংরক্ষিত মূল্য (ভারতীয় রুপি)	62,00,000	ভোটদানের জন্য তাঁর মনোনীত অ
23	থ্যাজনীয় পরিবেশগত ছাড়পত্র প্রদান		বিডবৃদ্ধির অঙ্ক (ভারতীয় রুপি)	62,000	িকোন ব্যক্তিকে নিয়োগ করতে পারবে
সব			নাইট পরিদর্শন শেষ করতে	৩০ আগস্ট, ২০১৮ বিকেল ৫–০০টার আগে	খাঁর কোম্পানির সদস্য হওয়া আবশ
10120508	করিয়াছেন। উক্ত ছাড়পত্রের অনুলিপি	1000	হবে যে সময়ের মধ্যে	and the interest in the second	নয়। উক্ত ব্যক্তিকে নিয়োগের পত্রা
অর্থ	পশ্চিমবঙ্গ দূষণ নিয়ন্ত্রণ পর্ষদ এবং	. U	গায়না জমার শেষ তারিখ	৩ সেপ্টেম্বর, ২০১৮ সন্ধে ৭টার আগে,	বৈধতার জন্য সেটি বার্ষিক সাধারণ স
ন	এস.ই.আই.এ.এএর ওয়েবসাইট http:/	1.00	1. The Providence	বায়না জমা– টাঃ ৬২৩৩০০	শুরু হওয়ার অন্ততঃ ৪৮ ঘন্টা পূর্বে, অথ
ষ্ঠান	/environmentwb.gov.in-তে দ্রন্থব্য।	9. (	যোগ্যতা শৰ্তাবলি ও অন্য বিশদ	https://neltauction.auctiontiger.net	২৪শে সেম্টেম্বর, ২০১৮, সোমবার দুর্গ
লন	প্রকল্পকারকের বিবরণ :	100		ওয়েবসাইটে আপলোড করা	১২.৩০ টার পূর্বে, কোম্পানির রেজিস্ট
C. S.	স্কোয়ার ফোর হাউসিং এ্যান্ড এনফ্রাস্ট্রাকচার		A Carta	ডকুমেন্টের শর্তাবলি মাফিক	অফিসে জমা দিতে হবে এবং কোম্প
<b>Set 1</b>	ডেভেলপমেন্ট প্রাইভেট লিমিটেড	ইচ্ছুক বিডদাতাদের তাদের আগ্রহ প্রকাশপত্র জমা দিতে পর্রামর্শ দেওয়া হচ্ছে ওয়েবসাইটে প্রদন্ত শর্তাবলি পড়ে ও মান্য করে যাতে প্রক্রিয়াও আছে, আরও ব্যাখ্যার জন্য নিমস্বাক্ষরকারীর সঙ্গে			কর্ত্তক অবশ্যই গৃহীত হতে হ
গর	২৩৮এ, এ.জে.সি. বোস রোড		পড়ে ও মান্য করে যাতে প্রাক্রুর গি করুন।	াও আছে, আরও ব্যাখ্যার জন্য নিম্নসাক্ষরকারার সঙ্গে	পর্যদের অনুমত্যানুসা
বাঁয়।	বিতল, কক্ষ নং ২বি	CALVICA .	14 4.8.41	স্বাঃ/– অরুলকুমার খান্ডেলিয়া	কোম্পানি সেক্রেট
in the second se		and an and a second		লিকুইডেটর	
200 C 10	কেলিকাতা- ৭০০০২০	স্থান: কৰ		আইবিবিআই/আইপিএ-আইপি/	তারিখ ঃ কলকাতা ১৩ই আগস্ট, ২০১৮
য়	পশ্চিমবঙ্গ	তারিখ:	29.05.2035	0009@/2035-39/3095	२०२ जागण, २०३४

विनिये कथी वल्ट यहेल्या र सामार महत्व

জেল্পাসীকে ১ যাস আটকে রাখে জিল্পাসীকে ১ যাস আটকে রাখে

# GOVERNMENT OF INDIA MINISTRY OF CORPORATE AFFAIRS OFFICE OF THE REGISTRAR OF COMPANIES

Still it must be taken care that the proposed name cannot be made available for a period exceeding 60 days from the date of application and this approval does not grant any kind of right of privilege. The name is liable to be withdrawn at any time before approval of the name change, if it is found later on that the name ought not to have been allowed.
It is allowed subject to the compliance of Section 4(2), 4(3) and other applicable provisions of the Companies Act, 2013.

DS MINISTRY OF CORPORATE AFFAIRS 01	Digasty signal by 05 MINISTEY OF COEPCRATE AFFARE OF LANS AMMENTEY OF COEPCRATE AFFARE DEVICES, AMMENTEY OF COEPCRATE AFFARE STREED AND AND AND AND AND AND AND AND AND CONTRACT, METRO STATUDA, 25.6.5.4.000 STH FLOCOR A MINIST STATUDATES, 25.6.5.4.000 STH FLOCOR A DEVICES, 25.7.5.10.4.000 STH FLOCOR A MINISTRA STATUDATES, 25.6.5.4.000 STH FLOCOR DEVICES, 25.7.5.10.4.000 STH FLOCOR A MINISTRA STATUDATES, 25.6.5.4.000 STH FLOCOR DEVICES, 25.7.5.10.4.000 STH FLOCOR DEVICES, 25.7.5.10.000 STH FLOCOR DEVICES, 25.7.5.10.0000 STH FLOCOR DEV
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Central Registration Centre, Ministry of Corporate Affairs





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इत करने के खोने / प्राने पर कृपका सुनित करें / लौटाएं-अध्यक्षर पेन रोज इकाई, एन एस वी एस 5वीं मंजिल, मंत्री स्टॉनिंग, प्लॉट में 341, खर्ने में, 997/8, मॉबल करनोनी, दीप बेंगला चीक के प्रास, पुणे—411 0%.

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If this eard is lost / someone's lost card is found, please inform / return to . Income Tax PAN Services Unit, NSDL 5th floor, Mantri Sherling, Plot No. 341, Survey No. 997/8, Model Colony, Near Deep Bangalow Chowk, Pane – 411 016.

- 1

Tel: 91-20-2721 8080, Fax: 91-20-2721 8081 e-mail: tininfo@redLon.in

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY Pranisampad Bhawan, 5th floor, LB 2, Sector-III, Salt Lake, Kolkata - 700 106 e-mail: environmentwb@gmail.com Web Portal: www.environmentwb.gov.in

# No. 1903 / EN / T - II - 1/071/2015

Date: 30th August, 2017

POS

## To

١.

M/s Overflow Tradelink Private Limited, 238A, A.J.C. Bose Road, 2<sup>nd</sup> floor, Suite 2B, Kolkata – 700 020.

> Sub: Change of Name - Environmental Clearance for the proposed Residential Complex at Premises No. 1, Kashinath Dutta Road, Baranagar Municipality, Dag no-921 to 925, JL no-8, P.S-Baranagar, Dist-North 24 Parganas.

Ref: Your letter Order No. Sinthee/Project/L/20, dated 25.05.2017.

# Sir,

With reference to the above, SEIAA in its meeting held on 24.08.2017 considered the submission of the project proponent and approved the prayer for change of name of project proponent.

Therefore, the name of project proponent in the Environmental Clearance issued vide 2331/EN/T-II-1/071/2015 dated 21.10.2016 is changed from 'Overflow Tradelink Pvt. Ltd.' to 'Square Four Housing & Infrastructure Development Private Limited'. All terms and conditions of the EC would remain same.

Yours sincerely,

n.

(Sandipan Mukherjee, IFS) Member Secretary, SEIAA

Date: 36th August, 2017

No. 1903 / EN / T-II-1/071/2015

Copy forwarded for the information to:

The Secretary, State Level Expert Appraisal Committee, West Bengal Pollution Control Board, 'Paribesh Bhavan', LA, Salt Lake Sector III, Kolkata – 700 106.

Sd/-(Sandipan Mukherjee, IFS) Member Secretary, SEIAA