



Office of the Director
Statutory Planning Unit, KMDA
Unnayan Bhavan(4th floor), Salt Lake, Kol-91

**Kolkata
Metropolitan
Development
Authority**

No. 477 /KMDA/SPU/I-5/2009(SWC)

Dated : 23 /11/2016

From : The Director-in-Charge
S.P. Unit, KMDA.

176 : The Chief Executive Officer
Bengal Shriram Hi-tech Pvt. Ltd.
EN-32, 1st floor, Sector-V
Salt Lake City, Kolkata -700091.

**Sub : Development Permission and Sanction of Building Plan for Phase-1
Development of the I.T. Township and Auto Ancillary Park at
Uttarpara, Hooghly.**

Sir,

I am directed to send herewith 2 (two) copies of Building Plan for the phase-1 Development of the Integrated I.T. Township and Auto Ancillary Park at Uttarpara, Hooghly as sanctioned by the Single Window Committee in its meeting held on 25-02-2016.

List of Drawings are enclosed in a separate sheet.

✓ Enclo : as stated.

Yours faithfully,

Chandra
Director-in-Charge 23 /11/16
S.P. Unit, KMDA.

No. 1 /1(7)/KMDA/SPU/I-5/2009(SWC)

Dated : /11/2016

Copy forwarded for information to the :-

1. Chief Executive Officer, KMDA.
2. Sabhadhipati, Hooghly Zilla Parishad, Dist. Hooghly along with one set of building plan as per list.
3. Secretary, K.M.D.A.
4. Chairman, Uttarpara-Kotrung Municipality along with one set of building plan as per list.
5. Chief Engineer, SW & SWM Sector, KMDA
6. Chief Engineer, Water Supply Sector, KMDA
7. Chief Engineer, T&T Sector KMDA.

Director-in-Charge
S.P. Unit, KMDA

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For Bengal Shriram Hitech City Pvt. Ltd.

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LIST OF DRAWINGS		
S.NO	Title	Drg No
	ARCHITECTURAL	
1	MASTER GROUND FLOOR	DC / KMDA./ GF- 1 / A-01
2	TYPICAL FLOOR PLAN OF ONE BLOCK	DC/ KMDA./ GR. CLUSTER-1./ A-02
3	GROUND FLOOR PLAN OF CLUSTER - 6. PHASE -1	DC/ KMDA./ GR. CLUSTER-6./ A-03
4	FIRST FLOOR PLAN OF CLUSTER - 6. PHASE -1	DC/ KMDA./ 1ST CLUSTER-6./ A-04
5	TYPICAL FLOOR PLAN OF CLUSTER - 6. PHASE -1	DC/ KMDA./ TYP. CLUSTER-6./ A-05
6	ROOF PLAN OF CLUSTER - 6. PHASE -1	DC/ KMDA./ ROOF. CLUSTER-6./ A-06
7	GROUND FLOOR PLAN OF CLUSTER - 5. PHASE -1	DC/ KMDA./ GR. CLUSTER-5./ A-07
8	FIRST FLOOR PLAN OF CLUSTER - 5. PHASE -1	DC/ KMDA./ 1ST CLUSTER-5./ A-08
9	TYPICAL FLOOR PLAN OF CLUSTER - 5. PHASE -1	DC/ KMDA./ TYP. CLUSTER-5./ A-09
10	ROOF PLAN OF CLUSTER - 5. PHASE -1	DC/ KMDA./ ROOF. CLUSTER-5./ A-10
11	ELEVATION SIDE -A, CLUSTER - 5., PHASE -1	DC/ KMDA./ ELE-A./ CLS-5/ A-11
12	ELEVATION SIDE - B, CLUSTER - 5., PHASE -1	DC/ KMDA./ ELE-B./ CLS-5 A-12
13	SECTION -A-A & SECTION -B-B, & C-C, CLUSTER - 5, PHASE -1	DC/ KMDA./ SEC/ CLUSTER-5./ A-13
14	TYPICAL FLOOR PLAN OF CLUSTER -1. PHASE -1	DC/ KMDA./ TYP. CLUSTER-1./ A-14
14a	TYPICAL FLOOR PLAN OF CLUSTER -3. PHASE -1	DC/ KMDA./ TYP. CLUSTER-3./ A-14a
15	TYPICAL FLOOR PLAN OF CLUSTER -2. PHASE -1	DC/ KMDA./ TYP. CLUSTER-2./ A-15
16	TYPICAL FLOOR PLAN OF CLUSTER -7. PHASE -1	DC/ KMDA./ TYP. CLUSTER-7./ A-16
17	GROUND FLOOR PLAN OF CLUSTER -8, PHASE -1	DC/ KMDA./ CLUB GR/ A-17
18	SECOND FLOOR PLAN OF RESIDENTIAL BLOCK & FIRST FLOOR PLAN OF CLUB BLOCK, CLUSTER-8, PHASE-1	DC/ KMDA./ CLUB MEZZ/ A-18
19	SECOND FLOOR PLAN OF RESIDENTIAL BLOCK & FIRST FLOOR PLAN OF CLUB BLOCK, CLUSTER-8, PHASE-1	DC/ KMDA./ CLUB 1ST./ A-19
20	THIRD FLOOR CLUSTER -8	DC/ KMDA./ CLUB 1ST./ A-19 A
21	TYPICAL FLOOR CLUSTER -8	DC/ KMDA./ CLUB 1ST./ A-19 B
22	ROOF CLUSTER -8	DC/ KMDA./ CLUB 1ST./ A-19 R
23	ELEVATION SIDE -C, CLUSTER-8, PHASE -1	DC/ KMDA./ CLUB ELE-C/ A-20
24	ELEVATION SIDE -A, CLUSTER-8, PHASE -1	DC/ KMDA./ CLUB ELE-A./ A-21
25	ELEVATION SIDE -B, CLUSTER-8, PHASE -1	DC/ KMDA./ CLUB ELE-B/ A-22
26	ELEVATION SIDE -D, CLUSTER-8, PHASE -1	DC/ KMDA./ CLUB ELE-D/ A-23
27	SECTION - 1-1, CLUSTER-8, PHASE -1	DC/ KMDA./ CLUB SEC-1-1/ A-24
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29	SECTION - 3-3, CLUSTER-8, PHASE -1	DC/ KMDA./ CLUB SEC-3-3/ A-26
30	GROUND FLOOR PLAN OF CLUSTER -4, PHASE -1	DC/ KMDA./ GROUND. CLUSTER-4./ A-27
31	FIRST FLOOR PLAN OF CLUSTER -4, PHASE -1	DC/ KMDA./ FIRST FLOOR. CLUSTER-4./ A-28
32	TYPICAL FLOOR PLAN OF CLUSTER -4, PHASE -1	DC/ KMDA./ TYPICAL. CLUSTER-4./ A-29
33	ROOF PLAN OF CLUSTER -4, PHASE -1	DC/ KMDA./ ROOF. CLUSTER-4./ A-30
34	FRONT ELEVATION OF CLUSTER -4, PHASE -1	DC/ KMDA./ ELE. CLUSTER-4./ A-31
35	SECTION OF CLUSTER -4, PHASE -1	DC/ KMDA./ SEC. CLUSTER-4./ A-32
36	LOWER GROUND FLOOR PLAN (Parking)	DC / KMDA./ GF(LOWER LEV PARKING)- 3 / A-33
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40	SITE PLAN PHASE - I	A - 36
41	KEY LOCATION PLAN FOR PHASE -I	A - 38

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For Bengal Shriram Hitech City Pvt. Ltd.

[Signature]

Authorised Signatory

[Signature]
23/11/16

Director-in-Charge
Statutory Planning Unit, KMDA

Ref: BS/OPS/KMDA/17-18/060A

Date: 09/10/2017

To
The Director,
S. P. Unit, KMDA,
Kolkata – 700091.

Sub: Commencement of work for Phase-I (Grand One) development of the Integrated Township "Shriram Grand City" (SGC) at Uttarpara, Hooghly.

Dear Sir,

This is to inform you that we are commencing the construction work for two clusters (out of eight) of Phase-I of the Integrated Township "Shriram Grand City" (SGC) at Uttarpara, Hooghly.

This communication is for your kind information.

With Kind Regards,
Yours Sincerely,



Director - Chief Operations Officer
Bengal Shriram Hi-tech City Private Limited

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For Bengal Shriram Hitech City Pvt. Ltd.



Authorised Signatory



**Kolkata
Metropolitan
Development
Authority**

No. 219/KMDA/SPU/I-5/09/SW

Dated: 08-01-2018

From : **The Director (In-Charge),**
Statutory Planning Unit. KMDA.

To : ✓ **The Chief Executive Officer**
Bengal Shriram Hi-Tech City Pvt. Ltd.
37/2, 7th floor, Victoria Park, Sector- V,
Salt Lake City. Kolkata - 700 091.

Sub : **Development Permission & Sanction of (i) 15 Nos. Apartments in Cluster-8 (Block 23 & 24) (ii) Club house in Cluster-8 in Phase-I development of the Integrated I.T Township and Auto Ancillary Park at Uttarpara, Hooghly.**

Ref: Your letter no. BS/OPS/KMDA/17-18/062A dated 23-10-2017.
letter no. BS/OPS/KMDA/17-18/076 dated 15-12-17.
letter no. 207/KMDA/SPU/I-5/09/SW dated 18-12-17
letter no. BS/OPS/KMDA/17-18/081 dated 26-12-2017

Sir,

After due consideration of your appeal dated 26-12-2017 and on payment of DD amounting Rs 21,83,372 (DD No: 479381; dated 20-12-2017) towards development charges and sanction fees, vide letter no 207/KMDA/SPU/I-5/09/SW issued on 18-12-2017, I am directed to inform you that, the designated 'Single Window Committee' in KMDA in it's 6th meeting, held on 04-01-2018 has '**Approved**' the proposal for (i) 15 Nos. Apartment (new) in Cluster-8 (Block 23 & 24) (ii) Club house (new and modified) in Cluster-8 of Phase-I development on 15.03 acres in proposed Integrated I.T. Township and Auto Ancillary Park at Uttarpara, Hooghly District, subject to obtaining of clearance of WBFES in respect of the proposal and incorporation of the changes, if any.

The compliance of the final clearance of MoEF and direction/s of other Govt. departments (as may be applicable from time to time) would be mandatory in respect of the aforesaid Development Permission and Sanction.

It may kindly be noted that the amount of **Rs. 21,83,372/-** (Rupees Twenty one lacs eighty three thousand three hundred and seventy two only) is a part payment calculated on the basis of Building Plan submitted by you till now. Subsequent payment to be made by you would be calculated on the basis of further submission of Building Plans as the project proceeds.

Thanking You,

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For Bengal Shriram Hitech City Pvt. Ltd.

Authorised Signatory

Yours faithfully,

Director (In-Charge),
SPU/ KMDA

F.No.21-181/2017-IA-III
Government of India
Ministry of Environment, Forest and Climate Change
(IA.III Section)

Indira Paryavaran Bhawan,
Jor Bagh Road, New Delhi - 3

Date: 12th June, 2018

To,

M/s Bengal Shriram Hi-Tech City Private Limited

EN-32, 1st Floor, Sector-V, Slat Lake City,

Kolkata - 700091 (West Bengal)

E Mail: vishal.mangal@shriramproperties.com

Subject: Proposed "Shriram Grand City" at village Uttarpara, District Hoogly, West Bengal by M/s Bengal Shriram Hi-Tech City Private Limited - Environmental Clearance reg.

Sir,

This has reference to your online proposal No. IA/WB/NCP/64951/2017 dated 15th November, 2017, submitted to this Ministry for grant of Environmental Clearance (EC) in terms of the provisions of the Environment Impact Assessment (EIA) Notification, 2006 under the Environment (Protection) Act, 1986.

2. The proposal for grant of environmental clearance to the project 'Proposed "Shriram Grand City" at village Uttarpara, District Hoogly, West Bengal promoted by M/s Bengal Shriram Hi-Tech City Private Limited, was considered by the Expert Appraisal Committee (Infra-2) in its 26th meeting held on 14-15 December, 2017. The details of the project, as per the documents submitted by the project proponent, and also as informed during the above meeting are as under:-

- (i) The project will be located at Latitude- 22°41'37.89"N and longitude- 88°19'58.41"E.
- (ii) The project is a new project. The proposed Project Shriram Grand City at Uttarpara, District-Hooghly, West Bengal will be developed by M/s Bengal Shriram Hitech City Pvt. Ltd. Provisional Environmental Clearance was granted to the project by the SEAC, West Bengal, vide letter No. 40-2N-36/2008 (E) dated 19.01.2009 for plot area 12,70,850.0 sqm (314.0 Acres) and Built up Area of 24,91,918.36 sqm. The permission for development & Sanction of building Plan for Phase-I of the Mix-use development project was taken from KMDA for built up area 99,290.99 sqm on 30.11.2010.
- (iii) The Environmental Clearance was granted by SEIAA, West Bengal vide letter No. 843/EN/T-II-I/014/2008 dated 01.04.2015 for construction of Phase I of Shriram Grand City for built up area of 99,290.99 sqm and plot area 60,823.404 sqm (11.04 Acre for residential Parcel & 3.99 Acre for water body) for Phase I.
- (iv) The permission for development & Sanction of building Plan for Phase-I of the Mix-use development project was again taken from KMDA for built up area 1,89,256.78 sqm on 60,823.404 sqm (11.04 Acre for residential Parcel & 3.99 Acre for water body) dated 23.11.2016.
- (v) Again, due to change in planning, the project proponent is applying for the Environmental Clearance for total plot area of 12,70,884.0 (314.0 Acres



including Phase I) and built-up area of the project will be 31,43,536 sqm. The project will be comprising of various activities i.e, Dwelling units, Retail, Shopping Complex, Hospital, Hotel, Mall, IT/IT offices, School, College, Recreational and Automotive Ancillary Industry.

- (vi) The green belt development area will be kept as 3,29,009.4 sqm (25.88%). Maximum no. of floors will be G+20 for the project and maximum height of building will be 76 m. Total population of the project will be 219626 Nos.
- (vii) The total water requirement of the project will be 22426 KLD. The source of water will be Kolkata Metropolitan Water and Sanitation Authority (KMWS&A). The total waste water generation will be 18086 KLD (18.08 MLD). The waste water shall be treated through the Sewage Treatment Plant (STP) of combined capacity 22.0 MLD. 9613 KLD of treated water will be reused in flushing, gardening, DG Cooling, HVAC Cooling & Misc. 7569 KLD of treated water from STP shall be discharge to the Sewer line. As the water table of the proposed project is very high therefore, total 7 No. of RWH tanks and water body (30.1 Acre) are proposed for storm water recharging to ground.
- (viii) Solid waste generation from the proposed project will be 73971 Kg/day. From the proposed project the biodegradable waste (51780 Kg/ day) shall be treated in Solid waste treatment plant proposed within the project, recyclable waste generated (18493 Kg/day) and Plastic waste (3698 Kg/day) will be handed over to authorized recycler, biomedical waste generated with hospital proposed in the project will be (150 Kg/day) shall be sent to CBMWTF and Used Oil of 120 lit/month shall be collected in leak proof containers at isolated place and then it will be given to approved recycler. E- Waste of 10-12 kg/ month will be collected and given to approved recycler.
- (ix) The total power requirement will be 230 MVA which will be provided by West Bengal State Electricity Distribution Company Limited. 140 no of D.G. Set of various capacities shall be installed & the D.G. sets shall be kept acoustically enclosed & installed with anti-vibration pads and will be used during Power failure only. Hence, to avoid the emissions, stack height of 6 m above roof level for each D.G. sets shall be installed to reduce the air emissions, meeting all the norms prescribed by CPCB.
- (x) As the water table of the proposed project is very high therefore, total 7 No. of RWH tanks and water body (30.1 Acre) are proposed for storm water recharging to ground.
- (xi) Adequate parking provision shall be provided in the project of 29823 ECS (for Residential-22698 ECS & Commercial-7125) as Surface parking.
- (xii) Energy Conservation measures:
 - Usage of energy efficient Lifts (VVVF Non-gear lifts).
 - Usage of energy efficient / load sharing DG sets to save 10% energy.
 - Providing solar power by PV panels.
 - Providing LED Lamps instead of fluorescent lamps for common area.
 - Providing LED lamp instead of HPSV /Metal halide lamps for street lighting.
 - Providing LED Lamps instead of T-8 lamps for Basement lighting and going with electronic ballast instead of copper ballast.
 - Use of energy efficient Motor By replacing the energy efficient motor class 2 to class 1.

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For Bengal Shriram Hitech City Pvt. Ltd.


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- (xiii) No Eco-sensitive area lies within 10 km radius.
 - (xiv) There is no court case pending against the project but 1 (one) pending Public Interest Litigation relating to Project. A writ petition in the nature of a Public Interest Litigation (PIL) W.P. No. 27996 (W) of 2016 is pending in the High Court at Calcutta, Constitutional Writ Jurisdiction, Appellate Side.
 - (xv) The project was granted Standard ToR by MoEFCC vide letter No. 21-181/2017-IA-III dated 20.07.2017.
 - (xvi) Investment/Cost of the project is Rs. 6,200 Crores.
 - (xvii) Employment potential: Labourers during construction phase 200 no. and about 24512 personnel as staff during operation phase.
 - (xviii) Benefits of the project: It will increase Infrastructure of the area & will provide housing facility, educational facility, commercial area and open space with all other basic amenities to various classes of people. It will provide healthy, green & safe premises for living. People have more open and green spaces, bringing them closer to nature. People live, stay and recreate; and have immediate access to entertainment facilities in a single, spacious and secured area.
3. The project/activity is covered under item 8(b) i.e. 'Townships and Area Development Projects' of the Schedule to the EIA Notification, 2006.
4. The EAC, in its meeting held on 14-15 December, 2017, after detailed deliberations on the proposal, has recommended for grant of Environmental Clearance to the project. As per recommendations of the EAC, the Ministry of Environment, Forest and Climate Change hereby accords Environmental Clearance to the project 'Proposed "Shriram Grand City" at village Uttarpara, District Hoogly, West Bengal promoted by M/s Bengal Shriram Hi-Tech City Private Limited, under the provisions of the EIA Notification, 2006 and amendments/circulars issued thereon, and subject to the specific and general conditions as under:-

PART A – SPECIFIC CONDITIONS:

- (i) The project proponent shall obtain all necessary clearance/ permission from all relevant agencies including town planning authority before commencement of work. All the construction shall be done in accordance with the local building byelaws.
- (ii) Consent to Establish/Operate for the project shall be obtained from the State Pollution Control Board as required under the Air (Prevention and Control of Pollution) Act, 1981 and the Water (Prevention and Control of Pollution) Act, 1974.
- (iii) The approval of the Competent Authority shall be obtained for structural safety of buildings due to earthquakes, adequacy of firefighting equipment etc as per National Building Code including protection measures from lightening etc.
- (iv) This clearance is subject to the final outcome/order of Hon'ble High Court at Calcutta in Public Interest Litigation (PIL) W.P. No. 27996 (W) of 2016.

Topography and natural Drainage

- (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, on wetland and water bodies. Check dams, bio-swales, landscape, and other sustainable urban drainage systems (SUDS) are allowed for maintaining the drainage pattern and to harvest rain water. Buildings shall be designed to follow the natural topography as much as possible. Minimum cutting and filling should be done.

Water requirement, Conservation, rain water Harvesting, and Ground Water Recharge

- (vi) As proposed, fresh water requirement from Kolkata Metropolitan Water and Sanitation Authority (KMWSA) shall not exceed 12813 KLD.
- (vii) A certified report on the sources and availability of water from the local body supplying water along with the permission received by them for the same shall be submitted. This report shall specify the total annual water availability with the organization (local body), the quantity of water already committed to other development projects, the quantity of water committed for this project and the balance water available for distribution. This should be specified separately for ground water and surface water sources.
- (viii) The quantity of fresh water usage, water recycling and rainwater harvesting shall be measured and recorded to monitor the water balance as projected by the project proponent. The record shall be submitted to the Regional Office, MoEF&CC along with six monthly Monitoring reports.
- (ix) At least 20% of the open spaces as required by the local building bye-laws shall be pervious. Use of Grass pavers, paver blocks with at least 50% opening, landscape etc. would be considered as pervious surface.
- (x) Installation of dual pipe plumbing for supplying fresh water for drinking, cooking and bathing etc and other for supply of recycled water for flushing, landscape irrigation, car washing, thermal cooling, conditioning etc. shall be done.
- (xi) Use of water saving devices/ fixtures (viz. low flow flushing systems; use of low flow faucets tap aerators etc) for water conservation shall be incorporated in the building plan.
- (xii) Separation of grey and black water should be done by the use of dual plumbing system. In case of single stack system separate recirculation lines for flushing by giving dual plumbing system be done.
- (xiii) Water demand during construction should be reduced by use of pre-mixed concrete, curing agents and other best practices referred.
- (xiv) The local bye-law provisions on rain water harvesting should be followed. If local bye-law provision is not available, adequate provision for storage and recharge should be followed as per the Ministry of Urban Development Model Building Byelaws, 2016. As proposed 7 nos. of rain water storage tanks shall be provided.
- (xv) As proposed, no ground water shall be used during construction/ operation phase of the project.
- (xvi) Approval of the CGWA require before any dewatering for basements.

For Bengal Shriram Hitech City Pvt. Ltd.



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Solid Waste Management

- (xvii) The provisions of the Solid Waste (Management) Rules, 2016, e-Waste (Management) Rules, 2016, and the Plastics Waste (Management) Rules, 2016 shall be followed.
- (xviii) Disposal of muck during construction phase shall not create any adverse effect on the neighboring communities and be disposed taking the necessary precautions for general safety and health aspects of people, only in approved sites with the approval of competent authority.
- (xix) Separate wet and dry bins must be provided in each unit and at the ground level for facilitating segregation of waste. Solid waste shall be segregated into wet garbage and inert materials. Wet garbage shall be composted in Organic Waste Converter. Adequate area shall be provided for solid waste management within the premises which will include area for segregation, composting. The inert waste from group housing project will be sent to dumping site.
- (xx) Any hazardous waste generated during construction phase, shall be disposed off as per applicable rules and norms with necessary approvals of the State Pollution Control Board.
- (xxi) Hospital/Laboratory wastes shall be managed in accordance to the Bio-Medical Waste Management Rules, 2016.

Sewage Treatment Plant

- (xxii) Sewage shall be treated in the STP based on MBBR Technology with tertiary treatment i.e. Ultra Filtration. The treated effluent from STP shall be recycled/re-used for flushing, gardening, DG cooling & HVAC Cooling. Excess treated water shall be discharged to the Municipal sewer line.
- (xxiii) No sewage or untreated effluent water would be discharged through storm water drains.
- (xxiv) The installation of the Sewage Treatment Plant (STP) shall be certified by an independent expert and a report in this regard shall be submitted to the Ministry before the project is commissioned for operation. Periodical monitoring of water quality of treated sewage shall be conducted. Necessary measures should be made to mitigate the odour problem from STP.
- (xxv) Sludge from the onsite sewage treatment, including septic tanks, shall be collected, conveyed and disposed as per the Ministry of Urban Development, Central Public Health and Environmental Engineering Organization (CPHEEO) Manual on Sewerage and Sewage Treatment Systems, 2013.

Energy

- (xxvi) Compliance with the Energy Conservation Building Code (ECBC) of Bureau of Energy Efficiency shall be ensured. Buildings in the States which have notified their own ECBC, shall comply with the State ECBC. Outdoor and common area lighting shall be LED. 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. Wall, window, and roof u-values shall be as per ECBC specifications.

- (xxvii) Energy conservation measures like installation of CFLs/ LED for the lighting the area outside the building should be integral part of the project design and should be in place before project commissioning. Used CFLs, TFL and LED shall be properly collected and disposed off/sent for recycling as per the prevailing guidelines/rules of the regulatory authority to avoid mercury contamination.
- (xxviii) Solar, wind or other Renewable Energy shall be installed to meet electricity generation equivalent to 1% of the demand load or as per the state level/ local building bye-laws requirement, whichever is higher. Follow super ECBC requirement of ECBC 2017 and provide compliance report.
- (xxix) Solar power shall be used for lighting in the apartment to reduce the power load on grid. Separate electric meter shall be installed for solar power. Solar water heating shall be provided to meet 20% of the hot water demand of the commercial and institutional building or as per the requirement of the local building bye-laws, whichever is higher. Residential buildings are also recommended to meet its hot water demand from solar water heaters, as far as possible.
- (xxx) 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 should be used as building material in the construction as per the provision of Fly Ash Notification of September, 1999 and amended as on 27th August, 2003 and 25th January, 2016. Ready mixed concrete must be used in building construction.

Air Quality and Noise

- (xxxi) Construction site shall be adequately barricaded before the construction begins. 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 3 meter height). 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. Sand, murram, loose soil, cement, stored on site shall be covered adequately so as to prevent dust pollution. Wet jet shall be provided for grinding and stone cutting. Unpaved surfaces and loose soil shall be adequately sprinkled with water to suppress dust.
- (xxxii) 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. All workers working at the construction site and involved in loading, unloading, carriage of construction material and construction debris or working in any area with dust pollution shall be provided with dust mask.

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For Bengal Shriram Hitech City Pvt. Ltd.


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- (xxxiii) The diesel generator sets to be used during construction phase shall be low sulphur diesel type and shall conform to Environmental (Protection) prescribed for air and noise emission standards.
- (xxxiv) The gaseous emissions from DG set shall be dispersed through adequate stack height as per CPCB standards. Acoustic enclosure shall be provided to the DG sets to mitigate the noise pollution. Low sulphur diesel shall be used. The location of the DG set and exhaust pipe height shall be as per the provisions of the Central Pollution Control Board (CPCB) norms.
- (xxxv) For indoor air quality the ventilation provisions as per National Building Code of India.
- (xxxvi) Ambient noise levels shall conform to residential standard both during day and night as per Noise Pollution (Control and Regulation) Rules, 2000. Incremental pollution loads on the ambient air and noise quality shall be closely monitored during construction phase. Adequate measures shall be made to reduce ambient air and noise level during construction phase, so as to conform to the stipulated standards by CPCB / SPCB.

Green Cover

- (xxxvii) A minimum of 1 tree for every 80 sqm of land should be planted and maintained. The existing trees will be counted for this purpose. Preference should be given to planting native species. Where the trees need to be cut, compensatory plantation in the ratio of 1:3 (i.e. planting of 3 trees for every 1 tree that is cut) shall be done and maintained. As proposed 3,29,009.4 sqm area shall be provided for green belt development.

Top Soil preservation and Reuse

- (xxxviii) Topsoil should be stripped to a depth of 20 cm from the areas proposed for buildings, roads, paved areas, and external services. It should be stockpiled appropriately in designated areas and reapplied during plantation of the proposed vegetation on site.

Transport

- (xxxix) A comprehensive mobility plan, as per MoUD best practices guidelines (URDPFI), shall be prepared to include motorized, non-motorized, public, and private networks. Road should be designed with due consideration for environment, and safety of users. The road system can be designed with these basic criteria.
- Hierarchy of roads with proper segregation of vehicular and pedestrian traffic.
 - Traffic calming measures
 - Proper design of entry and exit points.
 - Parking norms as per local regulation
- (xl) A detailed traffic management and traffic decongestion plan shall be drawn up to ensure that the current level of service of the roads within a 05 kms radius of the project is maintained and improved upon after the implementation of the project. This plan should be based on cumulative impact of all development and increased habitation being carried out or proposed to be carried out by the project or other agencies in this 05 Kms radius of the site in different scenarios of space and time and the traffic management plan shall be duly

validated and certified by the State Urban Development department and the P.W.D./ competent authority for road augmentation and shall also have their consent to the implementation of components of the plan which involve the participation of these departments.

- (xli) Internal Traffic management should be kept smooth by segregating traffic and parking lots for two wheelers, cars and buses and allowing only ambulances and other emergency services/vehicles to move beyond the parking. Separate pedestrian walk ways with no vehicle access should be provided for attendant movements. Battery operated internal transport arrangement from the parking lot to various departments should be provided.
- (xlii) Vehicles hired for bringing construction material to the site should be in good condition and should have a pollution check certificate and should conform to applicable air and noise emission standards be operated only during non-peak hours.
- (xliii) Diesel and Petrol Driven Vehicles, except those carrying patients under emergency requirements shall not be allowed to move beyond the parking areas.

Environment management Plan

- (xliv) An environmental management plan (EMP) as prepared and submitted along with EIA Report shall be implemented to ensure compliance with the environmental conditions specified above. A dedicated Environment Monitoring Cell with defined functions and responsibility shall be put in place to implement the EMP. The environmental cell shall ensure that the environment infrastructure like Sewage Treatment Plant, Landscaping, Rain Water Harvesting, Energy efficiency and conservation, water efficiency and conservation, solid waste management, renewable energy etc. are kept operational and meet the required standards. The environmental cell shall also keep the record of environment monitoring and those related to the environment infrastructure.

Others

- (xlv) Provisions shall be made for the housing of construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, creche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.
- (xlvii) A First Aid Room shall be provided in the project both during construction and operations of the project.
- (xlviii) The company shall draw up and implement corporate social Responsibility plan as per the Company's Act of 2013.
- (xlviii) As per the Ministry's Office Memorandum F.No.22-65/2017-IA.III dated 1st May 2018, the project proponent is required to prepare and implement Corporate Environment Responsibility (CER) Plan. As per the said O.M., funds @ 0.5% of the total project cost shall be earmarked for the activities proposed under CER. The activities proposed under CER shall be restricted to the affected area around the project.

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For Bengal Shriram Hitech City Pvt. Ltd.

My Sign

Authorised Signatory

PART B - GENERAL CONDITIONS

- (i) A copy of the environmental clearance letter shall also be displayed on the website of the concerned State Pollution Control Board. The EC letter shall also be displayed at the Regional Office, District Industries centre and Collector's Office/ Tehsildar's office for 30 days.
- (ii) The funds earmarked for environmental protection measures shall be kept in separate account and shall not be diverted for other purpose. Year-wise expenditure shall be reported to this Ministry and its concerned Regional Office.
- (iii) Officials from the Regional Office of MoEF&CC, Bhubaneswar who would be monitoring the implementation of environmental safeguards should be given full cooperation, facilities and documents/data by the project proponents during their inspection. A complete set of all the documents submitted to MoEF&CC shall be forwarded to the APCCF, Regional Office of MoEF&CC, Bhubaneswar.
- (iv) In the case of any change(s) in the scope of the project, the project would require a fresh appraisal by this Ministry.
- (v) The Ministry 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.
- (vi) All other statutory clearances such as the approvals for storage of diesel from Chief Controller of Explosives, Fire Department, Civil Aviation Department, the Forest Conservation Act, 1980 and the Wildlife (Protection) Act, 1972 etc. shall be obtained, as applicable by project proponents from the respective competent authorities.
- (vii) These stipulations would be enforced among others under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act, 1986, the Public Liability (Insurance) Act, 1991 and the EIA Notification, 2006.
- (viii) The project proponent shall advertise in at least two local Newspapers widely circulated in the region, one of which shall be in the vernacular language informing that the project has been accorded Environmental Clearance and copies of clearance letters are available with the State Pollution Control Board and may also be seen on the website of the Ministry of Environment, Forest and Climate Change at <http://www.envfor.nic.in>. The advertisement shall be made within Seven days from the date of receipt of the Clearance letter and a copy of the same shall be forwarded to the Regional Office of this Ministry at Bhubaneswar.
- (ix) Any appeal against this clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.
- (x) A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/ representations, if any, were



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received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

- (xi) The proponent shall upload the status of compliance of the stipulated EC conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF&CC, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; SPM, RSPM, SO₂, NO_x (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at a convenient location near the main gate of the company in the public domain.
- (xii) The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of EC conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
5. This issues with the approval of Competent Authority.


(Kushal Vashist)
Director

Copy to:

- 1) The Secretary (Environment), Environment and Forest Department, Government of West Bengal Pura Bhavan, 4th floor, FD-415/A, Sector-III, Bidhannagar, Kolkata - 700106.
- 2) The Chairman, Central Pollution Control Board, Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 110032.
- 3) The Addl. Principal Chief Conservator of Forests (Central), Ministry of Environment, Forests and Climate Change, Regional Office (EZ), A/3, Chandersekharpur, Bhubaneswar - 751023.
- 4) The Chairman, West Bengal Pollution Control Board, Paribesh Bhavan, 10A, Block - L.A., Sector III, Salt Lake City, Calcutta-700 098.
- 5) Guard File/ Record File/ Notice Board.
- 6) MoEF&CC website.


(Kushal Vashist)
Director

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For Bengal Shriram Hitech City Pvt. Ltd.


Authorised Signatory

NOC NO153423

WEST BENGAL POLLUTION CONTROL BOARD

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

Memo No. 478-2N-36/2008(E)

Dated 28.08.2018

From :
Member Secretary,
West Bengal Pollution Control Board



CERTIFIED TRUE COPY
For Bengal Shriram Hitech City Pvt. Ltd.

[Signature]
Authorised Signatory

To : **M/s. Bengal Shriram Hitech City Pvt. Ltd.**
GN-37/2, 7th Floor, Victoria Park,
Sector-V, Salt Lake City, Kolkata-700091.

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

Ref : Your letter No. N11 Dated 09.07.2018

Dear Sirs,

In response to the application for Consent to Establish (NOC) for proposed Unit of M/s **Bengal Shriram Hitech City Pvt. Ltd.** for manufacturing/storage/installation **construction of Grand One (Phase-I - Residential, Parcel-6), Shriram Grand City** comprising of 24X(G+14) towers having **total built up area 196493.953 sqm. (for details see Annexure-I)** at **Mouza-Konnagar, JL No.7, Khatian No.11976, Dag No.4474(P), PO-*** 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.

***Hind Motor, PS-Uttarpara, Dist-Hooghly, PIN-712233, West Bengal.**

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 & Control 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.

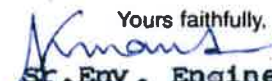
7. You shall comply with
- Water (Prevention and Control of Pollution) Cess Act, 1977, if applicable.
 - Water (Prevention and Control of Pollution) Cess Act, 1978, if applicable.
 - Environment (Protection) Act, 1986
 - Environment (Protection) Rules, 1986
 - Hazardous Wastes (Management and Handling) Rules, 1989 and Amended Rules, 2000
 - Manufacture, Storage and Import of Hazardous Chemicals Rules, 1989 and Amended Rules, 2000
 - Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms or Cell Rules, 1989
 - The Public Liability Insurance Act, 1991 and Amended Act, 1992
 - The Public Liability Insurance Rules, 1991 and Amended Rules 1993
 - Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable.
 - Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
 - Ozone Depleting Substances (Regulation & Control) Rules, 2000, if applicable
8. 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.570 crores.

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

Yours faithfully,

Sr. Env. Engineer (EIM Cell)
 Member Secretary,
 West Bengal Pollution Control Board
Sr. Environmental Engineer
 W. B. Pollution Control Board
 Dated: 27.08.2018
 Dept. of Environment, GoWB

Memo No. 478-2N-36/2008(E) dd 28/08/2018.
 Copy forwarded for information to :

- Chief Inspector of Factories, Government of West Bengal, N. S. Building, Kolkata-700 001
- Director of Industries/Director of Cottage & Small Scale Industries, Government of West Bengal, N. S. Building, Kolkata-700 001
- Guard file, West Bengal Pollution Control Board.
- Environmental Engineer, I/1/Alipur R.O./Howrah R.O./Hooghly R.O./B.R.O./D.R.O./Haldia R.O./S.R.O./Asansol/ Sub-R.O./WBPC Board

Himalaya Bhawan
 Delhi Road, Dankuni
 Dist. Hooghly

Vill, Panpur
 Kalyani Expressway
 P.O. Narayanpur
 Dist. 24 Pgs. (N)

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

10, Camac Street
 2nd Floor
 Kolkata-700 017

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

Block-05 at 40
 Flats Complex
 Adjacent to Priyambada
 Housing Estate
 P.O. :Khanjanchak,
 P.S. Durgachak
 Haldia-721602
 Dist. : Purba Medinipur

Paribahan Nagar
 Matigara, Siliguri
 Dist.-Darjeeling

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 For Bengal Shriram Hitech City Pvt. Ltd.



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Annexure I to NOC Sl. No. NO153423

Special Conditions issued to M/s Bengal Shriram Hitech City Private Limited for the proposed construction of Grand One (Phase I – Residential, Parcel - 6) of Shriram Grand City at Mouza – Konnagar, JL no. 7, Khatian no. 11976, Dag no. 4474(P), PO – Hind Motor, PS – Uttarpara, Dist – Hooghly, Pin – 712233, West Bengal

A. Emission:-

1. DG Sets : 1X500 KVA & 8X250 KVA

Stack –

- i. DG sets to be provided with stack of height 3.5 m above the roof of the DG room (for each 250 KVA DG set) and 4.5 m above the roof of the DG room (for the 500 KVA DG set); as proposed acoustic enclosures and residential silencer to be installed for all the DG sets.
- ii. Stacks to have sampling port, platform and ladder as per the Emission Regulation Part – III of CPCB.

B. Effluent:-

Domestic – wastewater generated from the entire project shall be treated in STP. Treated wastewater shall be partly reused and partly discharged to KMDA Khal. Discharge of treated wastewater shall conform to E(P) Rules. Sewage Treatment Plants should be monitored on a regular basis and records should be maintained properly.

C. Solid Waste :-

- i. To be segregated, collected and disposed off through onsite compost plant regularly as per the Solid Wastes Management Rules, 2016 and Plastic Waste Management & Handling Rules 2016, as proposed.
- 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. Directions of Irrigation & Waterways Department, Government of West Bengal regarding discharge of treated waste water, issued vide memo nos. 416-I/I-4M-38/2011 dated 16.10.2014 and 280-I/I-4M-38/11 dated 06.08.2018, to be strictly complied with.

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For Bengal Shriram Hitech City Pvt. Ltd.

[Signature]
Authorised Signatory

[Signature] / 27.08.2018
Sr. Environmental Engineer
W. B. Pollution Control Board
Dept. of Environment, GoWB

Annexure I to NOC Sl. No. NO153423

Special Conditions issued to M/s Bengal Shriram Hitech City Private Limited for the proposed construction of Grand One (Phase I – Residential, Parcel - 6) of Shriram Grand City at Mouza – Konnagar, JL no. 7, Khatian no. 11976, Dag no. 4474(P), PO – Hind Motor, PS – Uttarpara, Dist – Hooghly, Pin – 712233, West Bengal

11. 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.
12. Appropriate arrangement is to be done for rainwater harvesting within the site. The proponent must practice rainwater harvesting on regular basis.
13. Ground water should not be abstracted without 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.
14. Provision of screen wall should be made surrounding the batching plant, if installed for control of fugitive emission from such operation.
15. 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.
16. 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.
17. Proper steps are to be taken so that the flora and fauna are not affected during the construction phase.
18. Adequate firefighting storage should be provided as per Rules.
19. Adequate parking space should be provided within the project site as per Rules.
20. 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.
21. Use of energy efficient construction materials should be ensured. Water efficient devices / fixtures should be installed. Energy efficient systems should be installed.
22. 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.
23. The proponent shall undertake awareness programs for the residents to promote water and energy conservation and to ensure environmental protection.
24. No expansion of the project should be undertaken without prior permission of the State Board.
25. The unit should not start operation without obtaining 'Consent to Operate' from this Board.
26. The proponent should maintain a display board at the site, providing detailed information on the salient features of the proposed project.
27. The proponent should strictly abide by the conditions stipulated in the Environmental Clearance issued by MoEF & CC vide F. No.21-181/2017-IA-III dated 12.06.2018.
28. 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).
29. Statutory clearances including Land conversion certificate, as applicable to be obtained from the competent authorities.
30. This NOC is issued in supersession of previous NOC no. NO147018 issued vide memo no. 158-2N-36/2008(E) dated 10.04.2017.
31. This NOC is valid up to **31.08.2025** for construction of Grand One (Phase I – Residential, Parcel - 6) of Shriram Grand City at Mouza – Konnagar, JL no. 7, Khatian no. 11976, Dag no. 4474(P), PO – Hind Motor, PS – Uttarpara, Dist – Hooghly, Pin – 712233, West Bengal. The proposed project will be constructed on a plot area of 15.03 acres comprising of 24 number of (G+14) towers (divided into 8 clusters of 3 towers each), having 2343 number of flats and 196493.953 sqm total built up area.

[Signature] 27.08.2018

Member Secretary/Sr. Environmental Engineer (EIM Cell)
West Bengal Pollution Control Board

Sr. Environmental Engineer
W. B. Pollution Control Board
Dept. of Environment, GoWB

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[Stamp: CERTIFIED TRUE COPY]
For Bengal Shriram Hitech City Pvt. Ltd.

[Signature]

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Department of Environment
Government of West Bengal
Writers' Buildings, "G" Block, (2nd. Floor),
Kolkata-700 001.

No. EN/3170/T-IV-7/001/2006

Dated: December 10th, 2006.

DIRECTION

WHEREAS, Department of Environment, Govt. of West Bengal is entrusted to look after the execution of the different environmental laws within the territorial jurisdiction of West Bengal and also responsible for maintaining pollution free environment and also responsible for restraining different environment hazardous activities which are causing serious impact on human beings, other living creatures, plant, micro-organism, property or the environment ;

AND WHEREAS, Department of Environment has already taken different steps for controlling air pollution in the atmosphere generated from the different sources i.e. industrial source, vehicular source and burning of biomass;

AND WHEREAS, Department of Environment in exercising the power conferred under section 19 of the Air (Prevention & Control of Pollution) Act, 1981, has already declared entire West Bengal as 'Air Pollution Control Area';

AND WHEREAS, West Bengal Pollution Control Board conducted a study with the help of the Asian Development Bank and it is revealed that the contribution of the construction activities is one of the source of air pollution in Kolkata and its surroundings ;

AND WHEREAS, it is further revealed that burning of old tyres in hot mix plant as a fuel during construction and repairs of road for melting coal tar contributes significant obnoxious element into the air which cause a serious problem of the human beings ;

HENCE, in view of the above and in consultation with the West Bengal Pollution Control Board and in exercise of the power conferred under Air (Prevention & Control of Pollution) Act, 1981 and Environment (Protection) Act, 1986, all the municipalities, local authorities and all other concerned Govt. Departments within the State of West Bengal, are now directed to take immediate steps to implement the following norms which need to be strictly followed by the developers, contractors or any other infrastructure developers ;

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For Bengal Shriram Hitech City Pvt. Ltd.

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• Preventive measures need to be taken: -

- a) Wrap construction area/buildings with geotextile fabric, installing dust barriers, or other actions, as appropriate for the location,
- b) Apply water and maintain soils in a visible damp or crusted condition for temporary stabilization,
- c) Apply water prior to levelling or any other earth moving activity to keep the soil moist throughout the process;
- d) Limit vehicle speeds to 15 mph on the work site.
- e) Clean wheels and undercarriage of haul trucks prior to leaving construction site.
- f) Apply and maintain dust suppressant on haul routes.
- g) Apply a cover or screen to stockpiles and stabilize stockpiles at completion of activity by water and maintain a dust palliative to all outer surfaces of the stockpiles;
- h) Stabilize surface soils where loaders, support equipment and vehicles will operate by using water and maintain surface soils in a stabilized condition where loaders, support equipment and vehicles will operate;
- i) Stabilize adjacent disturbed soils following paving activities with immediate landscaping activity or installation of vegetative or rock cover.
- j) Maintain dust control during working hours and clean track out from paved surfaces at the end of the work shift/day. Track out must now extend 50 feet or more and must be cleaned daily, at the minimum.
- k) Stabilize sloping surfaces using soil binders until vegetation or ground cover can effectively stabilize the slope,
- l) Disposal of debris in consultation with the local authorities following proper environmental management practice.
- m) During construction work, including cutting of marbles, ambient noise level should not exceed more than 65 dB(A).

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For Bengal Shriram Hitech City Pvt. Ltd.



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• Practices to be discarded: -

- a) Don't dispose of debris indiscriminately,
- b) Don't allow the vehicles to run at high speed within the work site.
- c) Don't cut materials without proper dust control/noise control facility.
- d) Don't keep materials without effective cover.
- e) Don't allow access in the work area except workers to limit soil disturbance and prevent access by fencing, ditches, vegetation, berms or other suitable barrier.
- f) Don't leave the soil, sand and cement stack uncovered.
- g) Don't keep materials or debris on the roads or pavements.
- h) Burning of old tyres in hot mix plant as a fuel during construction and repair of the roads for melting coal tar should be discarded ;

NOW THEREFORE, it is made clear that any developers, contractors or infrastructure developers either Govt. or Private failed to comply with the aforementioned statutory norms, Department of Environment and West Bengal Pollution Control Board will take necessary action under Air (Prevention & Control of pollution) Act, 1981 and Environment (Protection) Act, 1986 which may lead to stoppage and prohibition of the work including closure and other legal action as warranted under the law including imposition of the 'Pollution Cost'.

It is further directed that all Municipal Corporations, Municipalities and Panchayats should also be at liberty to take necessary action against the violators under the Municipal Laws and Panchayat Law.

But it is made clear that Local Authorities i.e. Municipal Corporations, Municipalities and Panchayats are responsible to implement the aforementioned guidelines meticulously for the purpose of curbing air pollution and other environmental hazards of their respective jurisdiction.

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For Bengal Shriram Hitech City Pvt. Ltd.



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Local Police Station is also directed to render all necessary help to the Local Authorities to implement the aforementioned direction in a befitting manner.

This order will take effect from 01-01-2010 through out the State of West Bengal.

By Order,
Sd/-
(M. L. Meena)
Principal Secretary to the Govt. of West Bengal.
Department of Environment.

No. EN/3170/T-IV-7/001/2009

Dated: December 10th., 2009.

Copy forwarded to :

- 1) The Principal Secretary to the Govt. of West Bengal, Urban Development Department.
- 2) The Director General of Police, Govt. of West Bengal, Writers' Buildings, Kolkata-700001.
- 3) The Secretary to the Govt. of West Bengal, Municipal Affairs Department.
- 4) The Commissioner of Police, Kolkata.
- 5) The Member-Secretary, West Bengal Pollution Control Board.
- 6) The District Magistrate.....District, with a request to advice his good office to circulate this direction to all SDOs., BDOs., for necessary action.
- 7) The Commissioner.....Corporation.
- 8) The Executive Officer.....Municipality.
- 9) The Secretary,Zilla Parishads, with a request for circulate this direction through his good office to the Panchayat Samity and Gram Panchayat for implementation.
- 10) The P.S. to Principal Secretary to the Govt. of West Bengal, Department of Environment.
- 11) The P.S. to MIC, Environment Department, Govt. of West Bengal.

Sd/-
Chief Law Officer,
Department of Environment.

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For Bengal Shriram Hitech City Pvt. Ltd.

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