

Date: 21st June 2021

To
Dr. A K Gupta
Joint Director (S)
Ministry Of Environment and Forests
Eastern Regional Office
A/3, Chandrashekharpur,
Bhubaneshwar – 751 023

Sub.:

Submission of 6 monthly Compliance Report of Joyville Howrah Project (Plot R2B) for the period of October'2020 to March'2021 EC Ref. No.: 2237/EN/T-II-1/126/2008/ (Pt-1), dated - 04.10.2016

Sir.

As per requirement for submission of the half yearly test report along with EC Compliance Report, we are enclosing herewith the following for your kind consideration:

 One half yearly compliance report for the period of October 2020 to March 2021 on the status of implementation of the stipulated conditions and environmental safeguard is submitted herewith.

We hope that you will do the needful in this regard.

Thanking you

Yours truly.

For Kolkata West and City Pvt. Ltd.

(Authorized

Cc:

West Bengal Pollution Control Board

- State Level Environment Impact Assessment Authority (SEIAA)

SIX MONTHLY COMPLIANCE REPORT

October 2020 to March 2021



KOLKATA WEST INTERNATIONAL CITY PVT. LTD.

"Vichitra", Kolkata West International City Salap Junction, Howrah Amta Raod & Bombay Road Crossing, NH6, Howrah - 711 403, West Bengal

PROJECT DETAILS

Shapoorji Pallonji Group has a legacy of more than 150 years of excellence in the construction industry in India and abroad. Today, Shapoorji Pallonji figures prominently

among the leaders in this industry with more than 36,000 employees all over the world. The Company has made a strong statement in the real estate scenario with its premium residential projects in Kolkata, Howrah, Mumbai, Bangalore and other parts of the country. Joyville Shapoorji Housing Private Limited (formerly known as Drashti Developers Private Limited (DDPL) is engaged inter alia in the business of building



constructing, altering, acquiring, designing, erecting, establishing, equipping, developing, reconstructing, renovating, remodeling, rebuilding, undertaking, assisting, maintaining, managing, buying, selling, investing, leasing, letting on hire, commercializing, handling, controlling and acting as builders, civil engineers, architectural engineers, interior decorators, consultants, advisors, agents, brokers, supervisors, administrators, contractors, subcontractors, turnkey contractors, managers and dealers in all type of properties, real estate, buildings and structures including houses, Apartments, apartments, buildings, bungalows, residential township and projects, commercial complexes, offices etc.

By an Agreement to Sub-Lease dated 27th day of November, 2013 registered at the Office of the District Sub-Registrar, Howrah and recorded in Book No.I, CD Volume No.35, Pages from 2373 to 2414, Being No.10427, for the year 2013 (hereinafter referred to as "the Agreement for Sub-Lease") as modified by Declaration dated 24th April, 2014 registered at the Office of the District Sub-Registrar, Howrah and recorded in Book No.4, Volume No.1 Pages from 5509 to 5516, Being No.00445, for the year 2014 (hereinafter referred to as "the Declaration") and made between Kolkata West International City Pvt. Ltd. (KWICPL), as the Sub-Lessor and DDPL, as the Sub-Lessee, KWICPL has agreed to sub-leaseon the terms and conditions therein contained., a part of the Demised Land admeasuring 30.385 (Thirty Point Three Eight Five) Acres or thereabouts (hereinafter referred to as "the said Land")situated, lying and being at Mouzas Balitkuri, Pakuria and Khalia, District Howrah, West together with the multistoried residential buildings to be constructed thereon which

shall comprise of several self-contained independent apartments and other structures by utilizing development potential arising out of FAR of 36,00,000 (thirty six lakh) square feet [hereinafter referred to as "the Building(s)"], The said Land and the Building(s) to be constructed thereon are hereinafter referred to as ("the said Property").

In terms of the Agreement for Sub-lease as modified by the Declaration, Joyville Shapoorji Housing Private Limited (JSHPL) is entitled to transfer, assign and /or mortgage all its rights under the said Agreement for Sub-Lease including its rights to built-up area constructed utilizing development potential arising out of FAR of 36,00,000 (Thirty Six Lac) Square Feet in respect of the said Property or any part thereof, to any third party.

The Company has fully paid the lease rent and the lease premium payable under the said Agreement for Sub-Lease for the said Property to KWIC. By declaration dated 6th January, 2016 KWIC has declared and confirmed the receipt of the rent and the lease premium and discharge the Company from the payment of the same or any part thereof. However the development cost of the said Property is being borne and paid by the Company.

By a Power of Attorney dated 27th November, 2013 KWICPL empowered DDPL inter alia, to execute Agreements/ Agreements for Transfer / Leave And License Agreement(s)/ Mortgage Deeds / Assignment Deeds / Memorandum of Understanding / Agreement of Sub-Lease / Sub-Lease Deeds / Power of Attorney / Declaration / Affidavit and Indemnity Bonds and all other Agreements and documents in the joint names of KWICPL and DDPL or otherwise as may be necessary to assign DDPL's interest under the said Agreement and/or sell/lease/let/license/mortgage or otherwise dispose of the said Property or parts thereof including the built-up area constructed on the said land or re-possess premises given on tenancy / license basis in the said Property and to receive the sale price / rent / license fees / lease premium and other consideration amounts from the Purchaser(s)/tenant(s)/lessee(s)/licensee(s) and to issue valid and effective receipts for the same to the purchaser(s)/tenant(s)/lessee(s)/licensee(s). The Power of Attorney as aforesaid was registered at the Office of the District Sub-Registrar, Howrah, in Book No.I, CD Volume No.35, Pages from 2415-2428, Being No.10428, for the year 2013.

The Company in the meantime, has passed Resolutions of its members for change of its name from Drashti Developers Private Limited (DDPL) to "Joyville Shapoorji Housing Private

Limited" ("JSHPL") and accordingly, "Fresh Certificate of Incorporation Pursuant to Change of Name" [pursuant to Rule 29 of the Companies (Incorporation) Rules, 2014], was issued by the concerned Officer of the Registrar of Companies, Mumbai on 15th October, 2015.

The said Property is being developed and promoted by JSHPL by the name Joyville (hereinafter referred to as "the said Project/Joyville Residential Township"). The project has got Environmental Clearance from the concerned authority vide no. 2237/EN/T-II-I/126/2008(Pt-1), date 04.10.2016. The construction is going on full swing as per schedule of completion.

Total built up area of the project is 327439.95 sq.m The salient features of the project (Phase 2B) for which Environmental Clearance has been considered are given below:

Land Area	30.325 acres (122719 sqm.)			
Latitude & Longitude	22°37'13.64"N & 88°17'25.91"E			
Expected Population	18820 persons			
Building profile	5 nos. of G+19, 7 nos. G+20 & 9 no G+21 storied			
Total Water requirement	2940 KLD			
Fresh water requirement	1763 KLD (source-KMDA supply)			
Wastewater generated 2010 KLD (to be treated in Phase 2B STP)				
Treated waste water recycled	1178 KLD (to be used in toilet flushing, landscaping & car washing)			
Treated waste water discharge 833 KLD (to be discharged to Howrah drainage can				
Solid waste disposal	10.5 TPD (to be disposed off through onsite compost plant & HMC)			
Total Built-up Area	327439.95 sqm.			
Ground Coverage 5.52 acres (22343.83 sqm.), (18.02% of land area)				
Roads & Paved areas	7.54 acres (30530 sq.m) (24.88% of land area)			
Exclusive tree plantation area 6.267 acres (25362 sq.m) (20.67% of land area)				

Other Green area	9.96 acres (40301 sq.m) (35.22% of land area)
Waterbody 0.367 acres (1484 sq.m) (1.21% of land area)	
No. of plantation proposed	1776 nos.
No. of Car Parking spaces proposed	3361 nos.(covered-1000 nos, open-2361 nos.)
Power requirement	13 MVA (at least 1% of total power requirement shall be met from solar power)
Use of solar power	At least 100 KW of solar power to be generated and utilized in addition to stand alone solar street lights inside Phase 2B
Backup Power	DG Sets (1x1010KVA, 2x750 KVA)

Project Status during up to March 2021:

At present the Phase 1A of the project is ready for handover. The project has obtained all the required permission and approvals from the respective concerned authorities to handover the apartments to its owners. The Project status up to March 2021 is as follows:

Tower A1 & A2: All building works are completed, handing over is in progress.

Tower B6 & B7: All building works are completed, handing over is in progress.

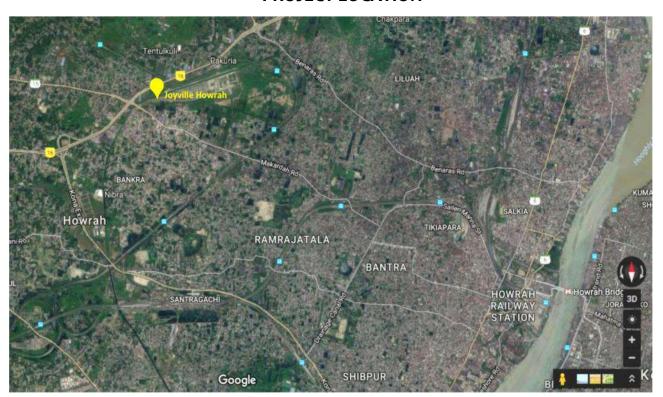
Podium - Parking Block: B+1 building works are completed.

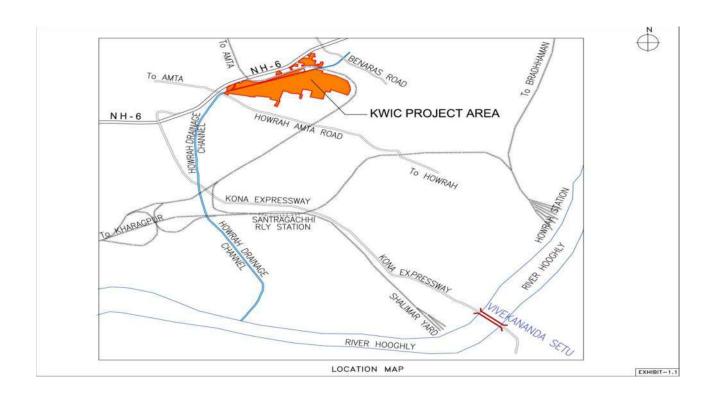
Club House: All building works are completed.

PROJECT SITE PLAN



PROJECT LOCATION





COMPLIANCE STATUS ON ENVIRONMENTAL CLEARANCES

For the Proposed Township Project

KOLKATA WEST INTERNATIONAL CITY PVT. LTD.

PROJECT NAME: 'JOYVILLE'

COMPLIANCE PERIOD: OCTOBER 20 TO MARCH 21

EC Ref. No.: 2237/EN/T-II-I/126/2008(Pt-1), dated 04.10.2016

A. SPECIFIC CONDITIONS

1. Construction Phase

Facility of laborers during construction:-

SI.	Compliance conditions	:	Compliance status
i.	Provision of drinking water, wastewater	:	Construction phase of the project
	disposal and solid waste management		has been completed. During
	should be ensured for labour camps. Water		construction phase provision of
	usage during construction should be		drinking water, wastewater
	optimized to avoid any wastage.		disposal and solid waste
			management was ensured for
			labour camps. Water usage
			during construction was optimized
			to avoid any wastage.
ii.	Proper sanitation facilities should be	:	Construction phase of the project
	provided for construction workers to ensure		has been completed. During
	environmental sanitation. Sewage		construction phase proper
	generated from the areas occupied by the		sanitation facilities were provided
	construction laborers have to be directed		for construction workers to ensure
	into the existing sewage drain of the area.		environmental safeguard. The
	In case of non-availability of the sewer		Sewage water was treated with
	system, an onsite treatment system has to		Hypochlorite Solution before
	be provided.		sending it to Soak pit. The onsite
			treatment was done by Septic

SI.	Compliance conditions	:	Compliance status
			tank for degradation of Sewage
			water.
iii.	The scaffolds, stairs and platforms for	:	Construction phase of the project
	construction works and the workers must be secured as far as possible to prevent any		has been completed. During
	accident.		construction phase the scaffolds,
			stairs and platforms for
			construction works and the
			workers were secured as far as
			possible to prevent any accident.
iv.	Health and safety of the workers should be	:	Construction phase of the project
	ensured during construction. Personnel		has been completed. During
	protective equipment like shoes, helmets,		construction phase health and
	earmuffs, earplugs etc. should be provided		safety of the workers was the top
	to the workers. For vibration control		priority for this project proponent.
	damped tools must be used and the		The unit had its own HSE policy for
	number of hours that a worker uses them		the Workers at site during
	must be limited. The Management must		construction. Personal protective
	ensure that the workers put them while		equipment like shoes, helmets,
	doing work that needs such protection, if		earmuffs, earplugs etc. were
	any.		provided to the workers. For
			vibration control damped tools
			are used and the number of hours
			that a worker uses was made
			limited. The Management had
			given clear instructions to the
			workers for using them while doing
			work that needs such protection,
			if any.
V.	Rest and convenience shelter for workers		Construction phase of the project
	with crèche facility, if required, particularly		has been completed. During
	for women, must be provided with proper		construction phase there were
	toilet facilities.		available rest & convenience

SI.	Compliance conditions	:	Compliance status
			shelter for workers inside the site.
			For women workers there were
			proper toilet facilities inside the
			project site.

Steps to avoid disturbance during construction

SI.	Compliance conditions	:	Compliance status
i.	All the topsoil excavated during		Construction phase of the project
	construction activities should be under		has been completed. During
	cover / stored by retaining walls for use in		construction phase all the
	horticulture / landscape development		excavated topsoil was stored for
	within the project site. Adequate erosion		the use of horticulture / landscape
	and sediment control measures to be		development within the project
	adopted before ensuing construction		site. Adequate erosion and
	activities.		sediment control measures were
			taken before ensuing construction
			activities.
ii.	Prior permission should be obtained from		Construction phase of the project
	the competent authority for demolition of		has been completed. During
	the existing structure, if any. Waste		construction phase all necessary
	recycling plans should be developed for		statutory permissions were
	prior to beginning of demolition and		obtained from the competent
	construction activity. The plans should		authority before start the
	identify waste to be generated and		construction. The Environmental
	designate handling, recycling and disposal		Clearance was obtained from
	method to be followed.		SEIAA as per the statutory
			requirement. Consent to Establish
			was obtained from West Bengal
			Pollution Control Board. (See the
			Annexures). The appropriate Solid
			Waste Management was taken at
			the site to take care recycling and

SI.	Compliance conditions		Compliance status
			disposal of waste generated
			during initial land development.
iii.	Disposal of muck including excavated	:	Construction phase of the project
	material during construction phase should		has been completed. During
	not create any adverse effects on the		construction phase disposal of
	neighbouring communities and disposed of		muck including excavated
	taking the necessary precautions for		material during construction
	general safety and health aspects.		phase was not created any
			adverse effects on the
			neighbouring communities. For
			general safety and health aspects
			of the adjacent residents
			necessary precautions were
			adopted.
iv.	Diesel generator sets during construction	:	Construction phase of the project
	phase should have acoustic enclosures		has been completed. During
	and should conform to E (P) Rules		construction phase diesel
	prescribed for air and noise emission		generator sets were used with the
	standards.		necessary acoustic enclosures as
			per prescribed air & noise emission
			standards.
٧.	Vehicles/equipment deployed during	:	standards. Construction phase of the project
V.	Vehicles/equipment deployed during construction phase should be in good	:	
V.		:	Construction phase of the project
V.	construction phase should be in good	:	Construction phase of the project has been completed. During
V.	construction phase should be in good condition and should conform to	:	Construction phase of the project has been completed. During construction phase the vehicles
V.	construction phase should be in good condition and should conform to applicable air and noise emission standards	:	Construction phase of the project has been completed. During construction phase the vehicles and equipment were regularly
V.	construction phase should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-	:	Construction phase of the project has been completed. During construction phase the vehicles and equipment were regularly checked whether they were
V.	construction phase should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-	=	Construction phase of the project has been completed. During construction phase the vehicles and equipment were regularly checked whether they were complying the air and noise
V.	construction phase should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-	=	Construction phase of the project has been completed. During construction phase the vehicles and equipment were regularly checked whether they were complying the air and noise standards. It is also directed that
v.	construction phase should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-	:	Construction phase of the project has been completed. During construction phase the vehicles and equipment were regularly checked whether they were complying the air and noise standards. It is also directed that the Heavy machines were to be

SI.	Compliance conditions	:	Compliance status
	night. Fortnightly monitoring of ambient air		During construction phase
	quality (SPM, SO2 and NOx) and equivalent		Ambient Noise levels were found
	noise levels should be ensured during		to slightly high from residential
	construction phase.		standards during day time.
			Regular checking of the
			vehicles/instruments was done.
			Ambient air quality monitoring
			and noise level monitoring had
			been carried out by NABL
			Accredited Laboratory during the
			construction phase.
			The test report and graphical
			presentation are given in
			Annexures.
vii.	Construction spoils including bituminous	:	Construction phase of the project
	material and other hazardous materials		has been completed. During
	including oil from construction equipments		construction phase the
	must not be allowed to contaminate		construction wastes materials were
	watercourses and the dumpsites for such		properly kept so that no
	material must be secured so that they		contamination of land/water
	should not leach into the ground water. If		sources can take place. Necessary
	necessary, oil trap should be installed		precautions were being taken
	where there is deployment of heavy		during spillage of any lubricating
	machineries.		oil during construction stage.
viii.	Regular supervision of the above and other	:	Construction phase of the project
	measures should be in place all through the		has been completed. During
	construction phase so as to avoid		construction phase regular
	disturbance to the surroundings. Discomfort		supervision of the entire
	in the neighbourhood due to the proposed		preventive and safety measures
	project activity should be minimized as far		were checked to avoid any
	as practicable.		degradation to the Environment,
			Health and Safety. The project

SI.	Compliance conditions	:	Compliance status
			activity was done keeping all the
			conditions of the EC in line to
			minimize any consequential
			adverse effect of neighbourhood.
ix.	Loading and unloading operations should	:	Construction phase of the project
	not be carried out in open areas and		has been completed. During
	should be preferably done during day time,		construction phase ILoading &
	if there is any major settlement in the		unloading operations were being
	surrounding areas. The construction		carried out in day time with proper
	activities including Piling work, Operation of		management measures.
	Ready Mix Plant and Vibrator etc. should		The construction activities
	not be carried out during the night time (10		including Piling work, Operation of
	p.m. to 6 a.m.). Only essential operations, if		Ready Mix Plant and Vibrator etc.
	any, may be carried out for a limited		were done during day time. Only
	period during nighttime.		essential operations, if any, were
			carried out for a limited period
			during nighttime.
X.	The proponent must ensure that no driven	:	Construction phase of the project
	piles shall be proposed for this project, if		has been completed. During
	there is any major settlement in the		construction phase driven pile was
	surrounding areas.		used in the construction activity as
			there was no such significant
			Settlement in the adjacent area.
xi.	15-m screen and adequate sprinkler	:	Construction phase of the project
	arrangement shall be provided. Care		has been completed. During
	should be taken to keep all material		construction phase the screen was
	storages adequately covered and		used wherever it is required to
	contained so that they are not exposed to		avoid any spread of materials to
	winds.		the nearby areas. Material
			storages were properly covered so
			that they were not exposed to air.
			Adequate sprinkler arrangement

SI.	Compliance conditions	:	Compliance status
			was kept reduce the spread of
			dust.
xii.	Use of Ready-mix concrete is	:	Construction phase of the project
	recommended for this project.		has been completed. During
			construction phase the project
			proponent was directed to use
			Ready-mix concrete (RMC) during
			construction stage in this project.
xiii.	Adequate measures to be adopted to	:	Construction phase of the project
	avoid wastage of water for curing of		has been completed. During
	concrete structures.		construction phase the curing of
			concrete structure was done by
			using wet jute bag and making
			bund for storing water in flat roof
			structure.
xiv.	Adequate mitigative measures should be	:	Construction phase of the project
	adopted to control dust emissions, noise		has been completed. During
	and vibrations from construction activities.		construction phase adequate
	Vehicles and construction machineries		mitigative measures were being
	should be properly maintained. Vehicles		taken to control dust emissions,
	should conform to Pollution under control		noise and vibrations from the
	(PUC) norms.		construction activities. The vehicles
			were regularly checked whether
			they have valid PUC certification.
			Manual water sprinkling was done
			on the path way to keep the dust
			level in the surrounding at
			minimum range. See the
			Photographs.
XV.	Locally available materials with less	:	Construction phase of the project
	transportation cost should be used		has been completed. During
	preferably.		construction phase locally

SI.	Compliance conditions		Compliance status
			available materials with less
			transportation cost were
			procured as far as possible.
xvi.	Promotion of use of cleaner fuel and fuel	:	Construction phase of the project
	quality improvement should be done.		has been completed. During
	Excessive energy consumption and fuel		construction phase H.S.D was
	usage should be avoided.		being used as fuel for different
			equipment during construction
			stage.
xvii.	Accumulations / stagnation of water should	:	Construction phase of the project
	be avoided to ensure vector control.		has been completed. During
			construction phase regular
			checking was done to see the
			site; so that no
			stagnation/accumulations of
			water can take place to ensure
			vector control.

Selection of materials for better energy efficiency

SI.	Compliance Conditions	:	Compliance Status
i.	Use of energy efficient construction	:	Construction phase of the project
	materials should be ensured to achieve		has been completed. During
	the desired thermal comfort.		construction phase energy
			efficient construction materials
			were being used to achieve the
			desired thermal comfort.
ii.	Design layout is done in such a way, so that	:	Construction phase of the project
	adequate solar access and should ensure		has been completed. During
	adequate solar access and ventilation.		construction phase design layout
	Proper planning and window design for		was done in such a way, so that
	daylight integration should be considered.		adequate solar access ventilation

SI.	Compliance Conditions	:	Compliance Status
			can be ensured. Proper planning
			and window design for daylight
			integration was 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 27.8.2003 and S.O. 2804(E) dated 03.11.2009 of the Ministry of Environment & Forests, Govt. of India.	•	Construction phase of the project has been completed. During construction phase fly ash was used for filling of low lying area as per direction of MoEF. Fly Ash was 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
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.	:	India. Construction phase of the project has been completed. During construction phase the project proponent had obtained permissions for the plans and designs including structural design, standard and specifications from concerned authority. Construction conformed to the requirements of local seismic regulations.
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.	:	Construction phase of the project has been completed. During construction phase construction technologies that require less material and possess high

SI.	Compliance Conditions	•	Compliance Status
			strength was adopted.
vi.	The building will be constructed and	:	Construction phase of the project
	provisioned to use natural sunlight to the		has been completed. During
	maximum during the daytime, during use.		construction phase the use of
			natural sunlight was considered in
			the architectural design of the
			building as a whole.
vii.	Use of alternate building materials and	:	Construction phase of the project
	alternate construction techniques should		has been completed. During
	be considered apart from the conventional		construction phase fly ash-based
	materials and methods. Use of hollow unit		cement was being used as
	masonry should be considered.		alternative building material
			during construction.
viii.	Use of energy efficient lighting systems	:	Construction phase of the
	e.g. High Pressure Sodium Vapour (HPSV)		project has been completed.
	Lamps, LED etc. should be promoted.		During construction phase use of
	Solar energy should be used for outdoor		energy efficient lighting systems
	lighting. Adequate no. of solar lights		e.g. High Pressure Sodium
	should be installed for external lighting as		Vapour (HPSV) Lamps, LED etc.
	per norms. All common area lighting will		was being advised. During
	be LED system.		construction the entire site area
			lighting was being done by LED
			Lights. Project Proponent had
			made a plan to use solar lights for
			external lighting as per norms.
ix.	Solar water heating arrangement will be	:	Construction phase of the project
	done for water heating.		has been completed. During
			construction phase the use of
			Solar Heater was under design
			and feasibility review. It will be
			used at the time of operation
			stage.

SI.	Compliance Conditions	:	Compliance Status
x.	Passive solar cooling to be incorporated in	:	Construction phase of the project
	building design. Buildings should be		has been completed. During
	oriented for ensuring natural ventilation		operation phase it will be
	and day lighting.		implemented.
xi.	Proper insulation of roof should be provided	:	Construction phase of the project
	to achieve desired thermal comfort. Use of		has been completed. During
	light colored, reflective roofs having an SRI		construction phase to achieve
	(solar reflectance index) of 50% or more		desired thermal comfort high
	should be incorporated.		reflective materials were being
			used in roof.
xii.	Use of high albedo or reflective pavements	:	Construction phase of the project
	to keep parking lots, pavements and inside		has been completed. During
	roads cool should be incorporated.		construction phase all the
			suggestions were being taken care
			regarding Parking Lots, Pavements
			and Inside roads.
xiii.	Guidelines to the occupants should include	:	During Operation Phase it will be
	usage efficiency measures such as energy		done.
	efficient lighting and water efficient system.		
xiv.	Reduce hard paving-onsite (open area	:	Construction phase of the project
	surrounding building premises) and / or		has been completed. During
	provide shade on hard paved surfaces to		construction phase it was taken
	minimize heat island effect and		care of as per the National
	imperviousness of the site.		Building Code guidelines during
			operation phase.
XV.	Adequate open space, greenery and	:	Adequate Open space Greenery
	water bodies to be provided as per rules.		and water bodies are being
			provided in this project.
xvi.	Any proposed building with air-conditioning	:	Construction phase of the
	facility should follow the norms proposed in		project has been completed.
	the ECBC regulations framed by the Bureau		During construction phase it was

SI.	Compliance Conditions	:	Compliance Status
	of Energy Efficiency. Chillers should be CFC		noted and it will be complied in
	& HCFC free.		operation stage.
xvii.	Restrict the use of glazed surface as per	:	Construction phase of the project
	National Building Code 2005.		has been completed. During
			construction phase use of glazed
			surface was adhered to National
			Building Code 2005.

Water Body Conservation

SI.	Compliance conditions	:	Compliance Status
1.	Water body if any should not be lined	:	Construction phase of the project
	and their embankments should not be		has been completed. There were
	cemented. The water body is to be kept		no records of water body within
	in natural conditions without disturbing		the project premises.
	the ecological habitat.		

Plantation Proposal

SI.	Compliance conditions	:	Compliance Status
1.	The unit should strictly abide by The West	:	Construction phase of the project
	Bengal Trees (Protection and Conservation		has been completed. During
	in Non- Forest Areas) Rules, 2007. The		construction phase the unit
	proponent should undertake plantation of		abided by the West Bengal Trees
	trees over atleast 20% of the total area.		Rules, 2007. The Project Proponent
			undertook plantation of trees over
			atleast 20% of the total area during
			operation stage. It will be
			implemented during operation
			phase.
ii.	No trees can be felled without prior	:	Construction phase of the project
	permission from the Tree Cutting Authority		has been completed. During
	constituted as per the West Bengal Trees		construction phase no tree was

Compliance conditions	:	Compliance Status
(Protection and Conservation in Non-		felled as per the West Bengal
Forest Areas) Act, 2006 and subsequent		Trees (Protection and
rules.		Conservation in Non-Forest
		Areas) Act, 2006 and subsequent
		rules.
The proponent should plant at least 1776	:	Plantation programme will be
trees as proposed. Indicative list of species		done as per EC Guidelines by
is given at Annexure 1. The landscape		SEIAA, West Bengal during
planning should include plantation of		Operation Phase.
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.		
Provision for Roof Top Gardening is	:	The feasibility of roof top gardening
mandatory.		will be checked before its
		implementation during operation
		phase.
	(Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules. The proponent should plant at least 1776 trees as proposed. Indicative list of species is given at Annexure 1. 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.	(Protection and Conservation in Non-Forest Areas) Act, 2006 and subsequent rules. The proponent should plant at least 1776 trees as proposed. Indicative list of species is given at Annexure 1. 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. Provision for Roof Top Gardening is:

Water Supply

SI.	Compliance conditions	:	Compliance Status
i.	Water requirement during construction		Construction phase of the project
	phase shall be met from KMDA supply.		has been completed. During
	Ground water should not be abstracted		construction phase water
	without prior permission of the competent		requirement was met from bore
	authority as per the West Bengal Ground		well. Water meter had been
	water Resources (Management, Control		installed and consumption was
	and Regulation) Act, 2005.		being monitored regularly.

Sewage Treat Plant

SI.	Compliance conditions	:	Compliance Status
i.	As per the proposal submitted by the		Construction phase of the project
	proponent waste water shall be treated in		has been completed. During
	septic tank to soak pit. Construction waste		construction phase domestic
	water to be collected in sedimentation		wastewater was treated in a
	trap with adequate retention time and to		septic tank followed by soak pit.
	be reused.		Construction waste water was
			collected through sedimentation
			trap with adequate retention
			time for reused.

Storm-water Management & Mitigation of Heat Island Effect

SI.	Compliance conditions	:	Compliance Status
i.	Imperviousness of the site shall not exceed	:	Construction phase of the project
	the NBC (National Building Code 2005)		has been completed. During
	standards for imperviousness factor		construction phase it was noted.
	applicable to different types of area.		
ii.	Total paved area of site under parking,	:	Construction phase of the project
	roads, paths or any other use should not		has been completed. During
	exceed 25% of the site area.		construction phase it was noted
			and it was complied with as per
			the EC guidelines by SEIAA.
iii.	Minimum 50% of paved area on site should	:	Construction phase of the project
	have pervious paving or shaded under		has been completed. During
	vegetation or topped with finish having		construction phase it was noted
	solar reflectance of 0.5 or higher.		and it was complied with as per
			the EC guidelines by SEIAA.
iv.	Adequate storm-water drainage network	:	Construction phase of the project
	to be designed for the project without		has been completed. During
	disturbing the surrounding settlements.		construction phase it was noted
	Storm water management plan should be		and it was designed accordingly

SI.	Compliance conditions	:	Compliance Status
	implemented so as to prevent sudden		in order to comply the
	discharge of excessive volumes of storm		recommendation.
	water to the receiving waters thus reducing		
	the shock load on the drainage system and		
	impact on receiving water body.		
٧.	Disruption to the natural hydrology of the	:	There will not be any disruption of
	site should be minimized by reducing		natural hydrology of the site.
	impervious cover, increasing on site		
	infiltration and managing storm water		
	runoff.		
vi.	Heat island effect should be minimized by	:	Construction phase of the project
	use of shading or reflective surfaces, mainly		has been completed. During
	the surfaces that contribute to the heat		construction phase the proposal
	island effect i.e. streets, sidewalks, parking		was under review and feasibility
	lots and buildings. White roofs should be		study is going on. Big trees is
	provided in the buildings.		planted (at required intervals)
			along the roads.
			See the photographs .

Rain Water Harvesting Scheme

SI.	Compliance conditions	:	Compliance Status
i.	The proponent must follow the Rainwater	:	The Rainwater Harvesting
	Harvesting Guidelines of the State Expert		Guidelines of the SEAC, as
	Appraisal Committee (SEAC) available in		available in the web site of
	the website. (http://www.wbpcb.gov.in).		WBPCB will be followed by the
			project proponent during
			Operation stage.
ii.	The proponent must collect rainwater from	:	Rainwater from roof-top
	roof-top catchments and reuse for various		catchments and reuse for various
	purposes after necessary cleaning.		purposes after necessary

SI.	Compliance conditions	:	Compliance Status
	Adequate retention time and storage		cleaning. During operation phase
	provisions should be provided for		it will be implemented.
	harvesting rainwater.		
iii.	Adequate water storage for firefighting	:	During construction phase it was
	should be provided as per norms		maintained. Adequate water
			storage will be provided for
			Firefighting as per norms during
			operation phase.

Municipal Solid Waste Management

SI.	Compliance conditions	:	Compliance Status
i.	Adequate provision shall be made for	:	Provision for adequate storage of
	storage and segregation of solid waste and		solid waste will be made during
	adequate means of access shall be		Operation Stage. Necessary Solid
	provided.		Waste Handling facilities will be
			implemented in Operation phase.

Transport Management

SI.	Compliance conditions	:	Compliance Status
i.	Both internal and external traffic planning	:	Traffic movement was fully
	and management should be adequate to		restricted and controlled during
	ensure uninterrupted traffic movement in		construction phase. Separate
	the area during construction as well as		entry & exit and adequate traffic
	operation phase.		signal will be provided during
			operation phase. Internal roads
			will be of moderate width for
			smooth traffic circulation. It will be
			same during operation stage.
ii.	The design of service road and the entry	:	The design of service road and
	and exit from the project area should		the entry and exit from the
	conform to the norms & standards of		project area will conform to the

SI.	Compliance conditions	:	Compliance Status
	competent authority for traffic		norms & standards of competent
	management. Bell mouth type		authority for traffic management.
	arrangement should be made at the entry		Bell mouth type arrangement will
	& exit. Proper traffic management plan		be made at the entry & exit.
	should be adopted in consultation with		Proper traffic management plan
	Traffic authorities.		will be adopted in consultation
			with Traffic authorities during
			Operation stage.
iii.	Clarified Wastewater will be used for	:	Clarified wastewater was being
	sprinkling water on the unpaved internal		used during construction stage
	roads on a regular basis.		and it will be used on a regular
			basis during operation phase also.

Others

SI.	Compliance conditions	:	Compliance Status
i.	All mandatory approvals and permission as	:	All the requisite approvals as
	required from Director of Explosives, Fire		applicable for the project will
	Department etc. should be obtained.		be obtained before start of the
			project operation.
ii.	Provision of Effective Controls and Building	:	Fire Alarm and Fire Detection and
	Management Systems such as Automatic		Suppression System etc. will be
	Fire Alarm and Fire Detection and		considered as per EC Guideline.
	Suppression System etc. must be ensured.		
iii.	Efficient management of indoor air quality	:	Efficient management of indoor
	must be ensured for health and safety of		air quality will be ensured for health and safety of the user.
	the user.		, , , , , , , , , , , , , , , , , , , ,
iv.	Adequate measures to be adopted for	:	Adequate measures were being
	water conservation during construction		used for water conservation
	and operation stage. Use of efficient		during construction and it will be
	irrigation equipment, evaporative cooling		implemented during operation
	unit in air-conditioning system etc should be		stage.

	considered.		
٧.	Rest room facilities should be provided for	:	Rest room facilities were being
	service population.		provided for service population
			during construction phase and this
			have been planned for the
			operational phase also.
vi.	Adequate access to fire tenders should be	:	Adequate access to fire tenders
	provided.		will be provided.

II. Operation Phase

Water Supply

SI.	Compliance conditions	:	Compliance Status
i.	Water requirement during construction	:	The construction work of the
	phase shall be met from KMDA supply.		project is completed. After
	Ground water should not be abstracted		getting Consent to Operate the
	without prior permission of the competent		Authority will hand over to the
	authority as per the West Bengal Ground		owners.
	Water Resources (Management, Control		During operation it will be
	and Regulation) Act, 2005.		applicable.
ii.	Use of water meter conforming to ISO	:	The construction work of the
	standards should be installed at the inlet		project is completed. After
	point of water uptake to monitor the daily		getting Consent to Operate the
	water consumption and records to be		Authority will hand over to the
	maintained. Use of water efficient devices		owners.
	/ fixtures and appliances should be		During operation it will be
	promoted.		applicable.
iii.	Dual plumbing system to be installed for	:	The construction work of the
	maximum use of treated wastewater.		project is completed. After
			getting Consent to Operate the
			Authority will hand over to the

SI.	Compliance conditions	:	Compliance Status
			owners. During operation it will be applicable.
iv.	The proponent must practice rainwater harvesting on regular basis.	:	The construction work of the project is completed. After getting Consent to Operate the Authority will hand over to the owners. During operation it will be applicable.

Sewage Treatment Plant

SI.	Compliance conditions	:	Compliance Status
i.	Dedicated STP to be provided for Phase 2B.	:	The construction work of the
	Entire waste water shall be treated in STP.		project is completed. After
	Treated waste water shall be partly reused		getting Consent to Operate the
	for toiler flushing, landscaping, internal road		Authority will hand over to the
	and pavement cleaning etc. and rest to be		owners.
	discharged.		During operation it will be
			applicable.
ii.	Water meter to be installed at STP inlet &	:	The construction work of the
	discharge outlet point of treated water		project is completed. After
	and regular records to be maintained.		getting Consent to Operate the
			Authority will hand over to the
			owners.
			During operation it will be
			applicable.
iii.	Provision of backup power for operation of	:	The construction work of the
	STP during power failure should be made.		project is completed. After
			getting Consent to Operate the

	Authority will hand over to the
	owners.
	During operation it will be
	applicable.

Emission from Diesel Generator Set:

SI.	Compliance conditions	:	Compliance Status
i.	Noise barriers will be provided at	:	The construction work of the
	appropriate locations so as to ensure that		project is completed. After
	the noise levels do not exceed the		getting Consent to Operate the
	prescribed standards. Diesel generator sets		Authority will hand over to the
	should be provided with integral acoustic		owners.
	enclosure at the manufacturing stage itself		During operation it will be
	as per CPCB norms.		applicable.
ii.	The stack height and emissions from D.G.	:	The construction work of the
	Sets should conform to the norms of		project is completed. After
	Central Pollution Control Board. The		getting Consent to Operate the
	certification of space design for DG sets		Authority will hand over to the
	should be done by competent authority.		owners.
			During operation it will be
			applicable.

Ensure Energy Efficiency

SI.	Compliance conditions	:	Compliance Status
i.	Use of energy efficient construction	:	The construction work of the
	materials to achieve the desired thermal		project is completed. After
	comfort should be incorporated. The		getting Consent to Operate the
	desired level of R & U factor must be		Authority will hand over to the
	achieved. U factor for the top roof should		owners.
	not exceed 0.4 Watt / sq.m / degree		During operation it will be
	centigrade with appropriate		applicable.

SI.	Compliance conditions	:	Compliance Status
	modifications of specifications and		
	building technologies. The provisions of		
	National Building Code 2005 should be		
	strictly followed.		
II.	Use of energy efficient electrical systems should be promoted. High efficiency lamps with electronic ballasts should be used.	:	The construction work of the project is completed. After getting Consent to Operate the Authority will hand over to the owners. During operation it will be applicable.
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.	:	The construction work of the project is completed. After getting Consent to Operate the Authority will hand over to the owners. During operation it will be applicable.
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 will install permanent electrical metering to record demand (kVA), energy (kWh) and total power factor. At least 100 KW of solar power to be generated and utilized in addition to stand	:	The construction work of the project is completed. After getting Consent to Operate the Authority will hand over to the owners. During operation it will be applicable. The construction work of the project is completed. After
	alone solar street lights inside Phase 2B.		getting Consent to Operate the Authority will hand over to the

SI.	Compliance conditions	:	Compliance Status
			owners. During operation it will be applicable.
vi.	The project proponent should be used solar energy at least for street lighting.	:	The construction work of the project is completed. After getting Consent to Operate the Authority will hand over to the owners. During operation it will be applicable.

Transport Management

SI.	Compliance conditions	:	Compliance Status
i.	Use of the public mode of transportation	:	The construction work of the
	should be promoted. Use of least polluting		project is completed. After
	type of transportation should be promoted.		getting Consent to Operate the
	Adequate parking space should be		Authority will hand over to the
	provided as per norms		owners.
			During operation it will be
			applicable.
ii.	Pathways should be covered or shadowed	:	The construction work of the
	by tree canopy as far as practicable.		project is completed. After
	Transport system should be such that		getting Consent to Operate the
	traffic will be calm in neighbor hoods.		Authority will hand over to the
	Traffic within the project site should be		owners.
	restricted by regulation. Adequate		During operation it will be
	vertical and horizontal clearances of		applicable.
	overhead electric power and		
	telecommunication lines should be		
	provided.		

SI.	Compliance conditions	:	Compliance Status
iii.	Dedicated cycle tracks should be included	:	The construction work of the
	inside the Phase 2B.		project is completed. After
			getting Consent to Operate the
			Authority will hand over to the
			owners.
			During operation it will be
			applicable.

Solid Waste Management

SI.	Compliance conditions	:	Compliance Status
i.	The proponent should abide by the	:	The construction work of the
	Municipal Solid Wastes (Management and		project is completed. After
	Handling) Rules, 2000. The proponent must		getting Consent to Operate the
	develop the Solid Waste Management		Authority will hand over to the
	and Disposal Scheme ensuring storage		owners.
	and segregation of biodegradable and		During operation it will be
	non-biodegradable wastes. The solid		applicable.
	waste is to be disposed off in consultation		
	with concerned municipality.		
ii.	The proponent shall install onsite compost	:	The construction work of the
	plant for treatment of biodegradable part		project is completed. After
	of Municipal solid Waste. Sufficient space		getting Consent to Operate the
	for installation of onsite compost plant		Authority will hand over to the
	should be provided and operation of the		owners.
	compost plant considering full occupancy		During operation it will be
	of the apartments i.e. the capacity of		applicable.
	garbage disposal unit should be selected		
	accordingly.		
iii.	The handling agency should also take care	:	The construction work of the
	of the recyclable wastes like plastic, paper		project is completed. After
	board, glass etc. and also inert materials in		getting Consent to Operate the

SI.	Compliance conditions		Compliance Status
	case of respective municipal authorities		Authority will hand over to the
	want to avoid any kind of waste from the		owners.
	housing complex.		During operation it will be
			applicable.
iv.	The proponent should have sufficient area	:	The construction work of the
	for horticulture where the compost		project is completed. After
	generated can be used as fertilizer and soil		getting Consent to Operate the
	supplement and also have arrangement		Authority will hand over to the
	for sale of excess quantity of compost.		owners.
			During operation it will be
			applicable.
V.	Provision for treatment of leachate	:	The construction work of the
	generated and odor control in onsite		project is completed. After
	compost plant should be made.		getting Consent to Operate the
			Authority will hand over to the
			owners.
			During operation it will be
			applicable.
vi.	Non – recyclable inorganics and rejects will	:	The construction work of the
	be disposed off through municipality as		project is completed. After
	proposed.		getting Consent to Operate the
			Authority will hand over to the
			owners.
			During operation it will be
			applicable.
vii.	The proponent should provide different	:	The construction work of the
	coloured bins for different categories of	-	
	waste and ensure complete segregation of		
			getting Consent to Operate the
	biodegradable and non-biodegradable		Authority will hand over to the

SI.	Compliance conditions	:	Compliance Status
	wastes. The solid waste from different		owners.
	collection and storage bins should be		During operation it will be
	finally collected at transfer stations. Further		applicable.
	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	:	The construction work of the
	Hazardous Wastes (Management, Handling		project is completed. After
	and Transboundary Movement) Rules,		getting Consent to Operate the
	2008. Collection and storage of hazardous		Authority will hand over to the
	wastes during Pre-construction and Post-		owners.
	construction activity should be planned		During operation it will be
	properly. The expected hazardous wastes		applicable.
	should be disposed off separately as per		
	the Hazardous Wastes (Management,		
	Handling and Transboundary Movement)		
	Rules, 2008.		
ix.	Spent oil from DG Sets should be stores in	:	The construction work of the
	HDPE drums in isolated covered facility and		project is completed. After
	disposed off as per the Hazardous Wastes		getting Consent to Operate the
	(Management, Handling and		Authority will hand over to the
	Transboundary Movement) Rules, 2008.		owners.
	Spent oil from DG sets should be disposed		During operation it will be
	off through registered recyclers only.		applicable.

<u>Others</u>

SI.	Compliance conditions	:	Compliance Status
i.	The implementation of Environmental	:	The construction work of the
	Management Plan should be carried out,		project is completed. After
	as proposed. Regular monitoring should		getting Consent to Operate the
	be carried out during construction and		Authority will hand over to the
	operation phases.		owners.
			During operation it will be
			applicable.
		_	
ii.	The project proponent should provide	:	The construction work of the
	guidelines to the users to ensure		project is completed. After
	conservation of energy and water. In- house environmental awareness		getting Consent to Operate the
	house environmental awareness campaigns should be carried out at		Authority will hand over to the
	regular intervals to ensure environmental		owners.
	protection.		During operation it will be
	profession.		applicable.
iii.	Firefighting systems should be designed in	:	The construction work of the
	compliance with the WBFS and NBC norms.		project is completed. After
	Preventive measures should be adopted		getting Consent to Operate the
	for Risk & Disaster Management as per the		Authority will hand over to the
	provisions of the National Building Code		owners.
	2005.		During operation it will be
			applicable.
_			
iv.	Public utility services such as common	:	The construction work of the
	public toilets to be provided.		project is completed. After
			getting Consent to Operate the
			Authority will hand over to the
			owners.
			During operation it will be

SI.	Compliance conditions	:	Compliance Status
			applicable.
V.	The Corporate Social Responsibility Plan with specific financial commitment should be implemented for the proposed project. At least 2% of the total project cost should be utilized for Corporate Social Responsibility programmes.	:	The construction work of the project is completed. After getting Consent to Operate the Authority will hand over to the owners. During operation it will be applicable.
vi.	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.	:	The construction work of the project is completed. After getting Consent to Operate the Authority will hand over to the owners. During operation it will be applicable.
vii.	Environmental Management Information System shall be maintained properly.	:	The construction work of the project is completed. After getting Consent to Operate the Authority will hand over to the owners. During operation it will be applicable.
viii.	The proponent should restrict the use of glazed surface as per National Building Code, 2005.	:	The construction work of the project is completed. After getting Consent to Operate the Authority will hand over to the owners. During operation it will be applicable.

SI.	Compliance conditions	:	Compliance Status
ix.	All the recommendations made in the EIA/EMP report should be complied with.	:	The construction work of the project is completed. After getting Consent to Operate the Authority will hand over to the owners. During operation it will be applicable.
x.	Fraction of covered area that would be illuminated by natural lighting of the proposed buildings to be reported in the first compliance report.	:	The construction work of the project is completed. After getting Consent to Operate the Authority will hand over to the owners. During operation it will be applicable.
xi.	Fire escape, evacuation plan and means thereof, the refuge areas and floor levels to be reported in the first compliance report.	:	The construction work of the project is completed. After getting Consent to Operate the Authority will hand over to the owners. During operation it will be applicable.
xii.	All the conditions stipulated for individual phases in the EC for the whole township vide no. 572/EN/T-II-1/126/2008, dated 09.03.2016 should be complied with.	:	The construction work of the project is completed. After getting Consent to Operate the Authority will hand over to the owners. During operation it will be applicable.

PART B - GENERAL CONDITIONS

SI.	Compliance conditions	:	Compliance Status
i.	The environmental clearance accorded	:	It is noted.
	shall be valid for a period of 7 years for the		
	proposed project.		
ii.	Prior Consent to Establish (NOC) for the	:	Consent to Establish is obtained
	proposed project must be obtained from		from the West Bengal Pollution
	WBPCB by the proponent. All other		Control Board. All other statutory
	statutory clearance should be obtained by		clearances will be obtained. The
	the project proponent from the competent		copy of Consent to Establish is in
	authorities.		Annexure.
iii.	The proponent should maintain a display	:	The proponent will maintain a
	board at the site, providing detailed		display board at the site providing
	information on the salient features of the		detailed information on the salient
	proposed project.		features of the proposed project.
iv.	The environmental safeguards contained	:	It is noted and it will be done in
	in the E I A / EMP report should be		letter and spirit.
	implemented in letter and spirit.		
v.	All the conditions, liabilities and legal	:	All the conditions, liabilities and
	provisions contained in the EC shall be		legal provisions contained in the
	equally applicable to the successor		EC will be equally applicable to
	management of the project in the		the successor management of
	event of the project proponent		the project in the event of the
	transferring the ownership, maintenance		project proponent transferring
	of management of the project to any		the ownership, maintenance of
	other entity.		management of the project to
			any other entity.
vi.	Provision should be made for the supply of	:	Provision is made for the supply of
	kerosene or cooking gas to the laborers		kerosene or cooking gas to the
	during construction phase. All the labourers		laborers during construction
	to be engaged for construction works		phase. All the labourers are

should be screened for health and adequately treated before issue of work permits. vii. The project proponent should make financial provision in the total budget of the project for implementation of the suggested safeguard measures. viii. 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. ix. In case of any violation of the conditions laid down in this Environmental (Protection) engaged for construction works is being screened for health and adequately treated before issue of work permits. being screened for health and adequately treated before issue of work permits. The project proponent has made financial provision in the total budget of the project for implementation of the safeguard financial provision in the total budget of the project for implementation of the safeguard financial provision in the total budget of the project for implementation of the safeguard financial provision in the total budget of the project for implementation of the safeguard financial provision in the total budget of the project for implementation of the safeguard financial provision in the total budget of the project for implementation of the safeguard financial provision in the total budget of the project for implementation of the safeguard financial provision in the total budget of the project for implementation of the project for implementation of the safeguard financial provision in the total budget of the project for implementation of the project for implementation of the project for implementation of the safeguard financial provision in the total budget of the project for implementation of the safeguard financial provision in the total budget of the projec	SI.	Compliance conditions	:	Compliance Status
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Impact Assessment Authority, West Bengal. In case of any violation of the conditions laid down in this Environmental Clearance, Section 16 of The Environment (Protection)		Assessment Authority, West Bengal.		the documents is also forwarded
ix. In case of any violation of the conditions It is noted. laid down in this Environmental Clearance, Section 16 of The Environment (Protection)				to the State Level Environment
In case of any violation of the conditions It is noted. Iaid down in this Environmental Clearance, Section 16 of The Environment (Protection)				Impact Assessment Authority,
laid down in this Environmental Clearance, Section 16 of The Environment (Protection)				West Bengal.
Section 16 of The Environment (Protection)	ix.	In case of any violation of the conditions	:	It is noted.
		laid down in this Environmental Clearance,		
		Section 16 of The Environment (Protection)		
Act, 1986, will be applicable. In case of		Act, 1986, will be applicable. In case of		
any change(s) in the scope of the project,		any change(s) in the scope of the project,		
the project would require a fresh appraisal		the project would require a fresh appraisal		
by the SEIAA, West Bengal.		by the SEIAA, West Bengal.		

SI.	Compliance conditions		Compliance Status
X.	The State Level Environment Impact	:	The project proponent is agreed
	Assessment Authority, West Bengal		to abide by the direction for the
	reserves the right to add additional		additional safeguard of
	safeguard measures subsequently, if found		environment as far as applicable.
	necessary, and to take action including		Under the provisions of the
	revoking of the environment clearance		Environmental (Protection) Act,
	under the provisions of the Environmental		1986, effective implementation of
	(Protection) Act, 1986, to ensure effective		the suggested safeguard
	implementation of the suggested		measures in a time-bound and
	safeguard measures in a time-bound and		satisfactory manner will be
	satisfactory manner.		ensured.
xi.	The project Proponent should inform the	:	The project proponent has
	public that the proposed project has been		already published the
	accorded environmental clearance by the		information regarding the
	SEIAA, West Bengal and copies of the		Environmental Clearance for the
	Clearance letter are available with the		project in two widely circulated
	State pollution Control Board / Committee		Local Newspapers, one in English
	and may also be seen at website of the		and the other in Bengali. See the
	SEIAA, West Bengal		Annexures.
	(thttp://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.		
xii.	All other statutory clearance such as the	:	All the requisite approvals as
	approvals for storage of diesel from Chief		applicable for the project will be
	Controller of Explosives, Civil Aviation		kept before start of operation
	Department (if required) etc. shall be		phase.
	obtained by project proponents from the		
	competent authorities.		

SI.	Compliance conditions	:	Compliance Status
xiii.	Provision for incorporation of appropriate	:	It is noted and to be complied in
	conditions in the Sale Agreement / Deed,		line with the commitment noted
	for ensuring sustained Operation and		in the Form IA.
	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.		
xiv.	The above stipulations would be	:	All the above statutory stipulations
	enforced along with those under the		will be complied with in totality as
	Water (Prevention and Control of		per noted Notifications. The main
	Pollution) Act, 1974, the Air (Prevention		objective of this project will be the
	and Control of Pollution) Act, 1981, the		overall positive outlook in regard
	Environment (Protection) Act, 1986, the		to implementation of Proper and
	Hazardous Wastes (Management,		sustainable Environmental
	Handling and Transboundary Movement)		Management as a whole.
	Rules, 2008, the Public Liability Insurance		
	Act, 1991, the Environment Impact		
	Assessment Notification 2006 and their		
	amendments.		



Certified by ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018











TEST REPORT

FORMAT NO: ENV/FM/38

Name of the	:	Kolkata W	est	International Cit	y Pvt. Ltd.		T	ype of Project	:	Housing Co	mp	lex
Project		(Project N	am	e : Joyville)								
Address	:	Salap Mor	e, H	lowrah – Amta Ro	oad, Bombay	Road Crossing,	S	ampling Date	:	18.03.2021		
İ		Howrah -	713	1403			P	eriod of Analysis	:	19.03.2021	- 2	0.03.2021
	Ì						D	ate of Issue	:	22.03.2021		
Sampling Plan	ı &	Procedure	:	ENV/SOP/01	Deviation fi	rom the Sampli	ıg M	Iethod and Plan :	No	Type of	:	Source
										Sample		Emission
Sample ID No		: 262/EC	/M	/TR(A)/I		Report No.	:	262/EC/M/TR(A)/	[/20-	21		

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	D. G 125 KVA (D. G. Yard) (Acoustic Enclosure)		
Shape of Stack	:	Circular	Height of Stack (mtr.) (from	:	3.0
			G. L.)		
Materials of	:	M.S.	Stack I.D. at sampling point	:	0.1016
Construction			(mtr.)		
Capacity	:	125 KVA	Height of sampling port	:	Final Exhaust
			(mtr.) (from G.L.)		
Emission Due to	:	Combustion of H.S.D			
Fuel Used	:	H.S.D	Permanent Platform & Ladder	•	: No
Working Fuel	:	12 litr./hr.			
Consumption					
Pollution Control Device	:	Nil			

B. RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
1.	Flue Gas Temperature	оС	IS 11255 (Part 1)	:	52.0	N.A.
2.	Barometric Pressure	mm of Hg.			754.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 3)	:	13.02	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS 11255 (Part III)		345.30	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003		31.20	N.A.
6.	Concentration of NO _x	mg/Nm³	IS: 11255 (Part 7) 2005 & ASTM D 1608-98 reapproved 2009: Sec 11 (Vol. 11.07): 2011	:	45.0	N.A.
7.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	-	6.5	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003		<1.0	1.0
9.	Concentration of	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	25.40	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005) : Sec. 11 (Vol. 3 11.07) : 2011			

Limit as per CPCB [Emission Regulation Part IV: COINDS/26/1986-87]. Remarks

N.A. means Not Available.

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. Ajoy Paul, Quality Manager)

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FORMAT NO: ENV/FM/38

Name of the	:	Kolkata W	'est	International Cit	y Pvt. Ltd.		Т	ype of Project		:	Housing Co	mpl	lex		
Project		(Project N	am	e : Joyville)											
Address	:	Salap Mor	e, H	owrah – Amta Ro	oad, Bombay	Road Crossing,	S	ampling Date	ling Date : 18.03.2				3.2021		
		Howrah -	713	1403			P	eriod of Analysis	:	19.03.2021 - 20.03.2021					
							D	ate of Issue		:	22.03.2021				
Sampling Plan	1 &	Procedure	:	ENV/SOP/01	Deviation fi	viation from the Sampling Method and Plan :			:	No	Type of	:	Source		
						_	_				Sample		Emission		
Sample ID No	: 262/EC	/M	/TR(A)/II		Report No.	:	262/EC/M/TR(A)/l	1/20	-21					

A. GENERAL INFORMATION ABOUT STACK PROVIDED BY THE INDUSTRY

Stack Attached to	:	D. G 125 KVA (Behind Sales Office) (Acoustic	Enclosure)		
Shape of Stack	:	Circular	Height of Stack (mtr.) (from G. L.)	:	3.0
Materials of Construction	:	M.S.	Stack I.D. at sampling point (mtr.)	:	0.1016
Capacity	:	125 KVA	Height of sampling port (mtr.) (from G.L.)	:	Final Exhaust
Emission Due to	:	Combustion of H.S.D			
Fuel Used	:	H.S.D	Permanent Platform & Ladder		: No
Working Fuel	:	12 litr./hr.	566		
Consumption					
Pollution Control Device	:	Nil			

B. RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.		RESULTS	LIMIT
NO.						
1.	Flue Gas Temperature	oC	IS 11255 (Part 1)	:	58.0	N.A.
2.	Barometric Pressure	mm of Hg.		:	754.0	N.A.
3.	Velocity of Gas flow	m/s	IS 11255 (Part 3)	:	15.20	N.A.
4.	Quantity of Gas flow	Nm³/hr.	IS 11255 (Part III)	-:	395.74	N.A.
5.	Concentration of SO ₂	mg/Nm ³	IS 11255 (Part 2) 1985 RA 2003		30.0	N.A.
6.	Concentration of NO _x	mg/Nm ³	IS: 11255 (Part 7) 2005 & ASTM D 1608-98		43.0	N.A.
			reapproved 2009 : Sec 11 (Vol. 11.07) : 2011			
7.	Concentration of CO ₂	% (v/v)	IS 13270 1992 RA 2003	- :	6.4	N.A.
8.	Concentration of CO	%(v/v)	IS 13270 1992 RA 2003	- :	<1.0	1.0
9.	Concentration of	mg/Nm ³	IS 11255 (Part - 1) 1985 RA 2003 & ASTM D	:	34.5	150.0
	Particulate Matter		3685/D 3685M-98 (reapproved 2005) : Sec. 11			
			(Vol. 3 11.07): 2011			

Limit as per CPCB [Emission Regulation Part IV: COINDS/26/1986-87]. Remarks

N.A. means Not Available.

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. Ajoy Paul, Quality Manager)

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FORMAT NO: ENV/FM/37

Name of the	:	Kolkata W	'est	International Cit	y Pvt. Ltd.		T	ype of Project		:	Housing Co	mp]	lex
Project		(Project N	ame	e : Joyville)							- 40		
Address	:	Salap Mor	e, H	owrah – Amta Ro	oad, Bombay	Road Crossing,	S	ampling Date		:	18.03.2021	- 1	9.03.2021
		Howrah –	711	403			P	eriod of Analysis	eriod of Analysis :			- 2	0.03.2021
	Ì						Γ	ate of Issue		:	22.03.2021		
Sampling Plar	1 &	Procedure	:	ENV/SOP/01	Deviation f	rom the Samplii	ng M	lethod and Plan	:	No	Type of	:	Source
					_	_				Sample		Emission	
Sample ID No.		: 262/EC	/M/	/TR(A)/III		Report No.	:	262/EC/M/TR(A)/I	11/20	-21	-	

A] GENERAL INFORMATION

1. Location of Sampling : Near Project Office

2. Duration of Sampling : 24 hrs. (09:00 a.m. – 09:00 a.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 28.0
 Average Relative Humidity (%) : 70.0
 Barometric Pressure (mm of Hg) : 754.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Clear sky

C] RESULTS

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	μg/m³	USEPA 1997a, 40 CFR Part 50, Appendix L : 2006	32.5	60.0
2.	Concentration of PM_{10}	$\mu g/m^3$	IS 5182 (PART 23): 2006	68.2	100.0
3.	Concentration of SO_2	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	3.20	80.0
			2007: Sec. 11 (Vol. 11.07) : 2011		
4.	Concentration of NO ₂	$\mu g/m^3$	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	21.0	80.0
			2005 : Sec 11 (Vol. 11.07) : 2011		

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

Reviewed By:

Johnson

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

Mark

(Dr. Ajoy Paul, Quality Manager)

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FORMAT NO: ENV/FM/37

Name of the	:	Kolkata W	'est	International Ci	ty Pvt. Ltd.			Type of Project		:	Housing Co	mpl	lex
Project		(Project N	am	e : Joyville)									
Address	:	Salap Mor	e, H	lowrah – Amta R	load, Bombay Road	l Cr	ossing,	Sampling Date			15.09.2020 - 16.09.2020		
		Howrah -	713	1403				Period of Analysis			16.09.2020 - 18.09.2020		
								Date of Issue		:	19.09.2020		
Sampling Plan	Sampling Plan & Procedure : ENV/SOP/01 Dev					he S	Sampling	g Method and Plan	:	No	Type of Sample	:	Ambient Air
Sample ID No		: 62/EC/	M/'	ΓR(A)/IV	Report No.	:	62/EC	/M/TR(A)/IV/20-21	L		NAM .		ı

GENERAL INFORMATION A]

Location of Sampling 1. Near Block No. A - 2

2. **Duration of Sampling** 24 hrs. (11:40 a.m. - 11:40 a.m.)

B] METEOROLOGICAL INFORMATION

1. 28.0 Average Temperature (°C) 2. Average Relative Humidity (%) 70.0 3. Barometric Pressure (mm of Hg) 754.0

4. Smell or Odour No Remarkable Smell

5. Weather Condition Clear sky

C1 **RESULTS**

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	μg/m³	USEPA 1997a, 40 CFR Part 50, Appendix L : 2006	33.50	60.0
2.	Concentration of PM_{10}	μg/m³	IS 5182 (PART 23): 2006	71.20	100.0
3.	Concentration of SO_2	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	4.50	80.0
			2007: Sec. 11 (Vol. 11.07) : 2011		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	23.10	80.0
			2005 : Sec 11 (Vol. 11.07) : 2011		

Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009. Remarks

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. Ajoy Paul, Quality Manager)

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FORMAT NO: ENV/FM/37

Name of the	:	Kolkata W	'est	International Ci	ty Pvt. Ltd.			Type of Project		:	Housing Co	mpl	lex
Project		(Project N	(Project Name : Joyville)										
Address	:	Salap Mor	e, H	owrah – Amta R	oad, Bombay Roa	d Cr	ossing,	Sampling Date		:	15.09.2020	- 1	6.09.2020
		Howrah - 711403						Period of Analysis		:	16.09.2020	- 1	8.09.2020
	Ì							Date of Issue		:	19.09.2020		
Sampling Plan	1 &	Procedure	:	ENV/SOP/01	Deviation from	the S	Sampling	g Method and Plan	:	No	Type of	:	Ambient Air
											Sample		
Sample ID No. : 62/EC/M/TR(A)/V					Report No.	:	62/EC	/M/TR(A)/V/20-21					

A] GENERAL INFORMATION

1. Location of Sampling : Near Batching Plant

2. Duration of Sampling : 24 hrs. (10:50 a.m. – 10:50 a.m.)

B] METEOROLOGICAL INFORMATION

Average Temperature (°C) : 28.0
 Average Relative Humidity (%) : 70.0
 Barometric Pressure (mm of Hg) : 754.0

4. Smell or Odour : No Remarkable Smell

5. Weather Condition : Clear sky

C] RESULTS

SL.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
NO.					
1.	Concentration of PM _{2.5}	$\mu g/m^3$	USEPA 1997a, 40 CFR Part 50, Appendix L : 2006	50.20	60.0
2.	Concentration of PM_{10}	$\mu g/m^3$	IS 5182 (PART 23) : 2006	87.30	100.0
3.	Concentration of SO_2	$\mu g/m^3$	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	6.90	80.0
			2007: Sec. 11 (Vol. 11.07): 2011		
4.	Concentration of NO_2	$\mu g/m^3$	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	25.20	80.0
			2005 : Sec 11 (Vol. 11.07) : 2011		

Remarks : Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009.

Reviewed By:

Johns

(DurbadalChakraborty, Dy. Quality Manager)

Approved By:

Hand

(Dr. Ajoy Paul, Quality Manager)

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FORMAT NO: ENV/FM/37

Name of the	:	Kolkata W	'est	International Ci	ty Pvt. Ltd.			Type of Project		:	Housing Co	mpl	lex
Project		(Project N	am	e : Joyville)									
Address	:	Salap Mor	e, H	owrah – Amta R	ossing,	Sampling Date		:	15.09.2020	- 1	6.09.2020		
		Howrah -	Howrah - 711403					Period of Analysis		: 16.09.2020 - 18.09.2020			8.09.2020
								Date of Issue		:	19.09.2020		
Sampling Plan	ո &	Procedure	:	ENV/SOP/01	Deviation from t	he S	Sampling	Method and Plan	:	No	Type of	:	Ambient Air
										Sample			
Sample ID No. : 62/EC/M/TR(A)/VI Report No. : 62/EC				62/EC	/M/TR(A)/VI/20-21	L		7.00					

GENERAL INFORMATION A]

Location of Sampling 1. Near Block No. B-6

2. **Duration of Sampling** 24 hrs. (11:20 a.m. - 11:20 a.m.)

B] METEOROLOGICAL INFORMATION

1. 28.0 Average Temperature (°C) 2. Average Relative Humidity (%) 70.0 3. Barometric Pressure (mm of Hg) 754.0

4. Smell or Odour No Remarkable Smell

5. Weather Condition Clear sky

C]**RESULTS**

SL. NO.	PARAMETERS	UNIT	METHOD NO.	RESULTS	LIMIT
1.	Concentration of PM _{2.5}	μg/m³	USEPA 1997a, 40 CFR Part 50, Appendix L : 2006	33.50	60.0
2.	Concentration of PM_{10}	μg/m³	IS 5182 (PART 23) : 2006	74.90	100.0
3.	Concentration of SO_2	μg/m³	IS 5182 (Part 2) 2001 & ASTM D 2914-01 reapproved	7.50	80.0
			2007: Sec. 11 (Vol. 11.07): 2011		
4.	Concentration of NO ₂	μg/m³	IS 5182 (Part 6) 2006 & ASTM D 1607-91 reapproved	20.50	80.0
			2005 : Sec 11 (Vol. 11.07) : 2011		

Limit as per National Ambient Air Quality Standards Central Pollution Control Board Notification, New Delhi, the 18th November, 2009. Remarks

Reviewed By:

(DurbadalChakraborty, Dy. Quality Manager)

Approved By:

(Dr. Ajoy Paul, Quality Manager)

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FORMAT NO. ENV/FM/40

TEST REPORT

Name of the	:	Kolkata Wes	t Internatio	nal	City Pvt.	Type o	f Project	:	Hou	sing Complex	
Project		Ltd. (Project	Name : Joy	ville)						
Project Site	:	Salap More,	Howrah – A	mta	Road,	Sampli	ng Date	:	18.0	3.2021	
Address	ĺ	Bombay Roa	oad Crossing, Howrah –			Period	of Analysis	:	18.03.2021 - 23.03.2021		
711403			Date of	f Issue	:	25.0	3.2021				
Sampling Plan	:	ENV/SOP/0	1 Deviation	n fr	om the :	No	Type of San	nple	:	Effluent Water	
& Procedure			Samplin	ıg M	ethod						
and Plan											
Location : Labour Camp Sample ID : ENV/753/		/W/M/I	Report		: E	NV/753/W/M/I/20-21					
(Site) No.			No.								

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH value	4500 H+B APHA 23 rd Edition, 2017	1	6.50	5.5-9.0
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	29.0	100.0
3.	Oil & Grease	5520 Oil B/D APHA 23rd Edition, 2017	mg/l	3.2	10.0
4.	Chemical Oxygen Demand	5200 COD B/C/D APHA 23 rd Edition,	mg/l	85.0	250.0
		2017			
5.	Biochemical Oxygen	5210 BOD B APHA 23rd Edition, 2017	mg/l	24.0	30.0
	Demand for 3 days at 27°C				

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. Ajoy Paul, Quality Manager)

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FORMAT NO. ENV/FM/40

TEST REPORT

Name of the	:	Kolkata Wes	t Internation	nal	City Pvt.		Type of	Project	:	Hou	sing Complex		
Project		Ltd. (Project	Name : Joyv	Name : Joyville)									
Project Site	:	Salap More, l	Howrah – Ar	lowrah – Amta Road,				Sampling Date			18.03.2021		
Address	Ì	Bombay Roa	d Crossing, I	Crossing, Howrah –			Period o	f Analysis	:	18.0	18.03.2021 - 23.03.2021		
	711403				Date of I	Íssue	:	25.0	03.2021				
Sampling Plan	:	ENV/SOP/01	Deviatio	n fr	om the	:	No	Type of San	iple	:	Effluent Water		
& Procedure			Sampling	g M	ethod								
	and Plan												
Location : L	Location : Labour Camp Sample ID : ENV/499/		W/M/II	Report		: El	NV/499/W/M/II/20-						
	Bat	ching Plant)	No.					No.		2	1		

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH value	4500 H ⁺ B APHA 23 rd Edition, 2017		7.50	5.5-9.0
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	42.0	100.0
3.	Oil & Grease	5520 Oil B/D APHA 23rd Edition, 2017	mg/l	2.5	10.0
4.	Chemical Oxygen Demand	5200 COD B/C/D APHA 23 rd Edition,	mg/l	75.0	250.0
	-	2017			
5.	Biochemical Oxygen	5210 BOD B APHA 23rd Edition, 2017	mg/l	22.0	30.0
	Demand for 3 days at 27°C				

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. Ajoy Paul, Quality Manager)

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FORMAT NO. ENV/FM/40

TEST REPORT

Name of the	:	Kolkata West I	nternationa	l City Pvt.		Type of	f Project	:	Housing Complex
Project		Ltd. (Project N	ame : Joyvill	le)					20
Project Site	:	Salap More, Ho	lowrah – Amta Road,			Sampling Date			18.03.2021
Address	Ì	Bombay Road	Crossing, Howrah –			Period of Analysis			18.03.2021 - 23.03.2021
711403		Date of Issue			25.03.2021				
Sampling Plan	:	ENV/SOP/01	Deviation	from the	:	No	Type of Sar	npl	le : Effluent Water
& Procedure			Sampling l	Method					
	and Plan								
Location :	Location : Labour Colony Sample ID : ENV/499/		W/M/I	II Report		: ENV/499/W/M/III/20-			
	Outl	et N	lo.	100			No.		21

SL. NO.	PARAMETERS	TEST METHOD	UNIT	RESULTS	LIMIT
1.	pH value	4500 H+B APHA 23rd Edition, 2017		7.10	5.5-9.0
2.	Total Suspended Solids	2540 D APHA 23 rd Edition, 2017	mg/l	22.0	100.0
3.	Oil & Grease	5520 Oil B/D APHA 23rd Edition, 2017	mg/l	3.5	10.0
4.	Chemical Oxygen Demand	5200 COD B/C/D APHA 23 rd Edition,	mg/l	45.0	250.0
		2017			
5.	Biochemical Oxygen	5210 BOD B APHA 23rd Edition, 2017	mg/l	15.0	30.0
	Demand for 3 days at 27°C				

Reviewed By:

(Durbadal Chakraborty, Dy. Quality Manager)

Approved By:

(Dr. Ajoy Paul, Quality Manager)

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FORMAT NO.: ENV/FM/58

TEST REPORT

1.	Name of the Project		:	Kolkata West International City Pvt. Ltd. (Project Name : Joyville)							
2.	Address		:	Salap More, Amta Road, Bombay Road Cro	ssing, District - Howrah, Pin - 711403							
3.	Type of Industry		:	Housing Project								
4.	Sampling Plan & Procedure		:	ENV/SOP/01								
5.	Deviation from the Sampling	Method & Plan	:	No								
6.	Sample ID No		:	236/EC/M/N/20-21	88							
7.	Date of Study		:	18/03/2021								
8.	Reporting Date		:	05/04/2021								
9.	Method No.		:									
10.	Time of Duration of Noise		:									
11.	Height from Ground Level		:	4 feet								
		R	RESULT OF	OF NOISE LEVEL STUDY								
				DAY TIME								
1.	Location of Study			: Near Project Office								
	Time	Minimum		Maximum	Leq							
	(A.M)	dB(A)		dB(A)	dB(A)							
	11:00 - 11:20	59.6		68.9	66.37							
			N	IGHT TIME								
2.	Location of Study			: Near Project Office								
	Time	Minimum		Minimum		Maximum	Leq					
	(P.M)	dB(A)		dB(A)	dB(A)							
	10:00 - 10:20	49.4		56.2	54.01							
				DAY TIME								
3.	Location of Study			: Near Block No. A - 2								
	Time	Minimum		Maximum	Leq							
	(A.M)	dB(A)		dB(A)	dB(A)							
	11:30 - 11:50	60.5		66.8	64.70							
			N	IGHT TIME								
4.	Location of Study			: Near Block No. A - 2								
	Time	Minimum		Maximum	Leq							
	(P.M)	dB(A)		dB(A)	dB(Å)							
	10:30 - 10:50	47.1		54.8	52.47							

* * Mean of L _{eq} - Equiv	valent to Sound Energy	
Limit in Leq o	dB(A)	
Category Area	Day Time	Night Time
	dB(A)	dB(A)
A. Industrial Area	75	70
B. Commercial Area	65	55
C. Residential Area	55	45
D. Silence Zone	50	40
**Day Time is reckoned in between	**Night Time is rec	koned in between
6:00 A.M & 10:00 P.M	10:00 P.M 8	6:00 A.M
(Central Pollution Control Board, Ministry of Envir	ronment & Forests Government of I	ndia) &
(Department of Environment, Go	vernment of West Bengal)	

Continued page - 2

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PERMISSIBLE NOISE EXPOSURE FOR INDUSTRIAL WORKERS		
Hours	Limit in dB(A)	
8	90	
4	93	
2	96	
1	99	
1/2	102	
1/4	105	
1/8	108	
1/16	111	
1/32	114	
(2 minutes or less)	No. of the Control of	
** The Noise Pollution (Regulation and Control Rules 2000		

** The Noise Pollution (Regulation and Control Rules, 2000 ** S.O. 123 (E) Dated : 14th February, 2000

Reviewed By:

Dy. Quality Manager

Approved By:

Quality Manager

>End of Report<

H.O. : 63/B, Rastraguru Avenue, Kolkata - 700028 (033-25792891/25497490, Fax : 033-25299141

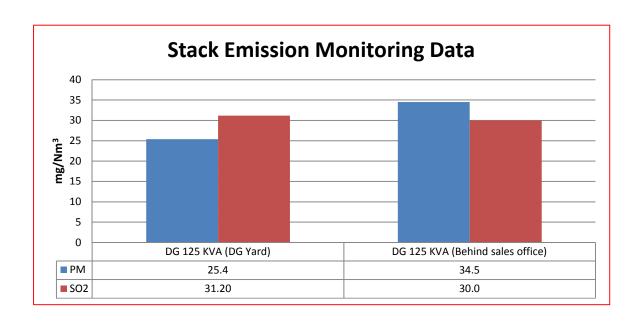
Laboratory : 189,190&192 Rastraguru Avenue, Kolkata - 700028 (033-25792889

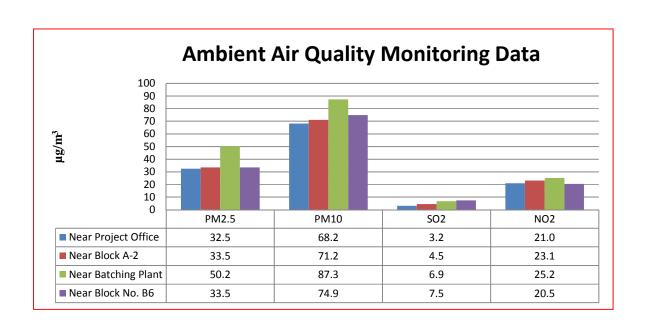
: info@envirocheck.org /envirocheck50@gmail.com / Website : www.envirocheck.org

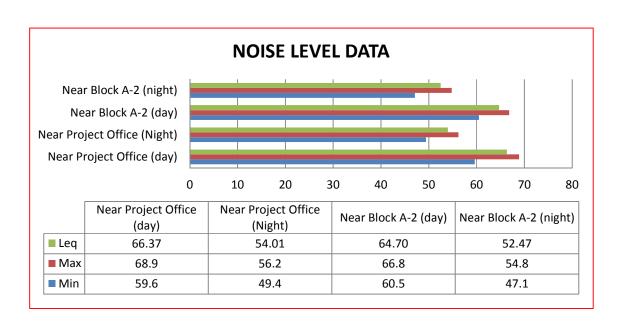
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: • UAE • Qatar • Netherlands Overseas

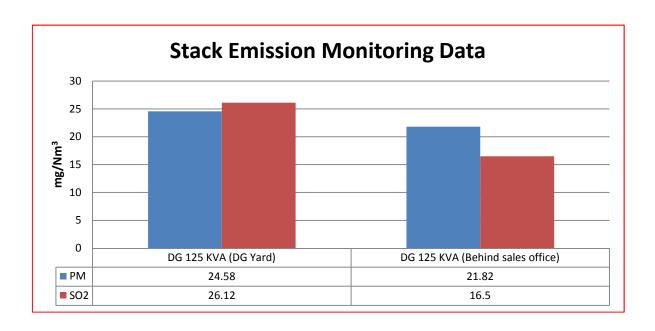
GRAPHICAL PRESENTATIONS Compliance Period : October 20 – March 21

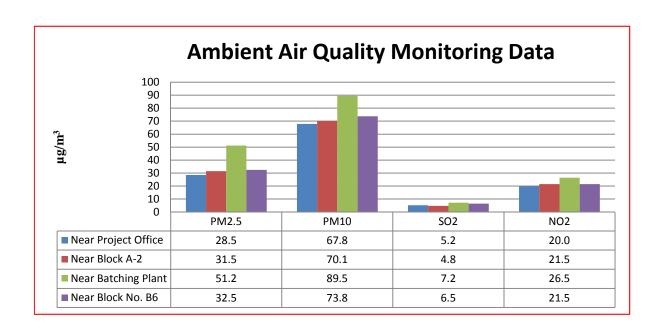


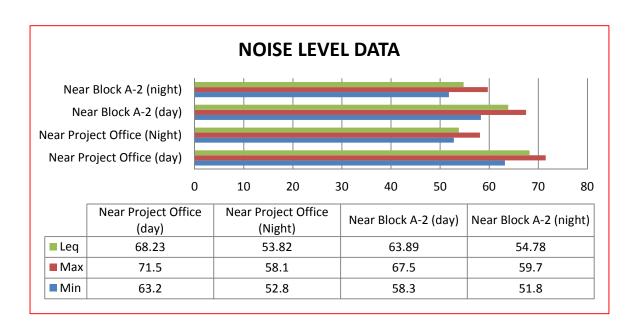




GRAHICAL PRESENTATION APRIL 2020 TO SEPTEMBER 2020

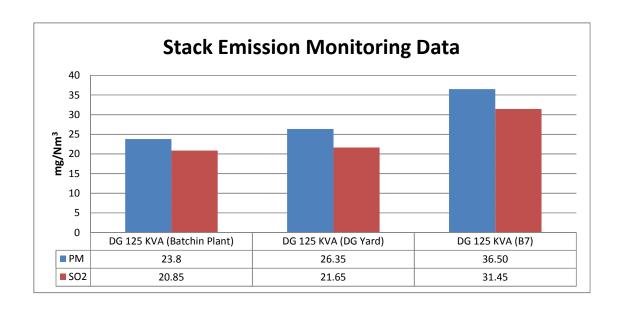


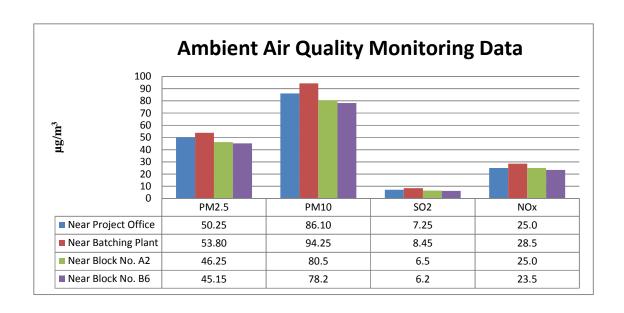




GRAPHICAL PRESENTATION

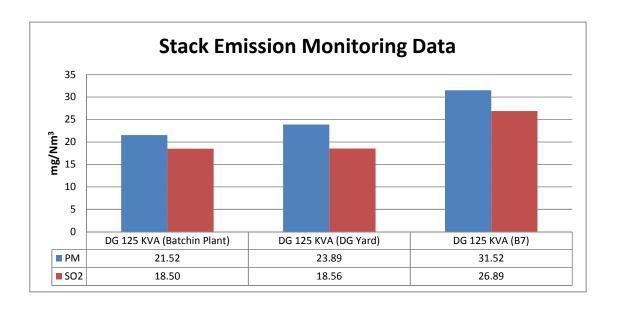
October 2019 to March 2020

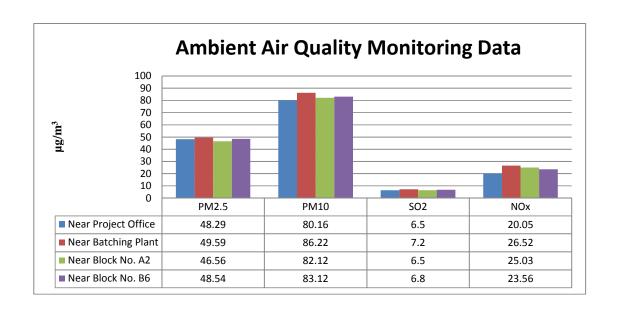




GRAPHICAL PRESENTATION

April 2019 to September 2019





MONITORING PHOTOGRAPHS





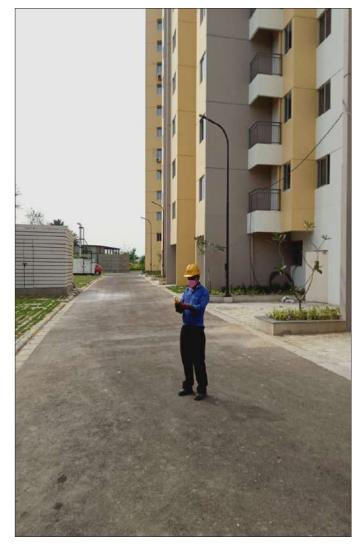


















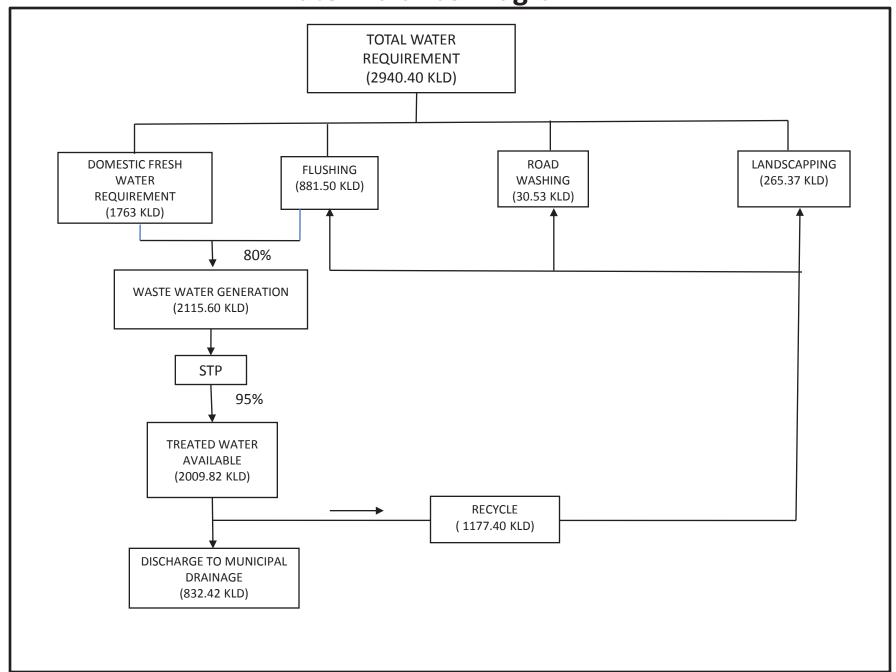








Water Balance Diagram

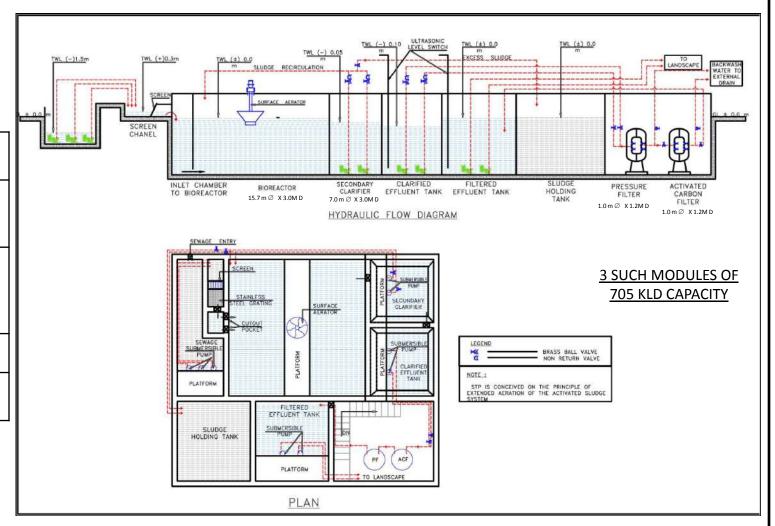


STP DETAILS

ANNEXURE-5



- MCRT FOR
 BIOREACTOR 20
 HOURS
- HRT FOR
 SECONDARY
 CLARIFIER 4
 HOURS
- | F/M RATIO 0.2
- EFFLUENT BOD <10 mg/l



PROPOSED RAIN WATER HARVESTING DETAILS

Rainwater Water Harvesting details for Environmental Clearance of Phase-2B of KWICat Domjur, District Howrah

Theoretical Collection Efficiency						
SI. No.	Description	Area (sqm)	Co-efficient of Runoff	Intensity of Rainfall (mm/hr)	Duration of peak storm (hr)	Discharge (cum)
1.	Roof Area	17440	0.85	62	0.25	229.77

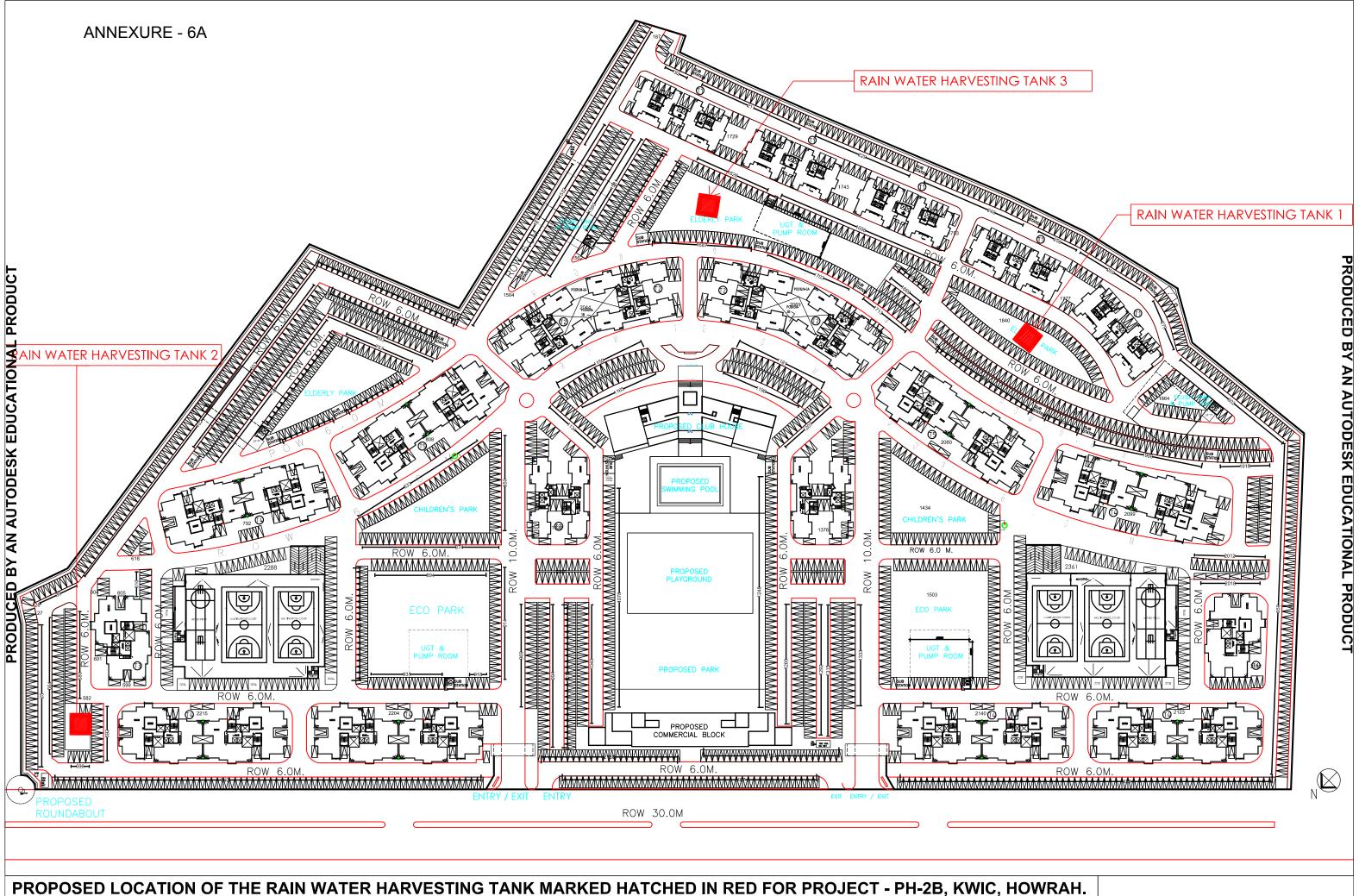
Considering collection efficiency of 80%, total required volume = 183.82 cum

100% of the total required volume i.e. 183.82 cum is proposed to be provided in surface storage (in rainwater harvesting tanks).

Since individual rainwater harvesting tanks will be required as per (i) availability of land, (ii) drainage system designed and (iii) proposed land use, 3 nos. tanks of various sizes is proposed at different locations of the project.

The Tank sizes proposed are:

- 1. $6m \times 6m \times 2m = 72 \text{ cum}$
- 2. $6m \times 6m \times 2m = 72 \text{ cum}$
- 3. $6m \times 6m \times 2m = 72 \text{ cum}$



PROPOSED LOCATION OF THE RAIN WATER HARVESTING TANK MARKED HATCHED IN RED FOR PROJECT - PH-2B, RWIC, HOWRAF

PROPOSED SOLID WASTE MANAGEMENT DETAILS

Solid Waste Management details for Environmental Clearance of Phase-2B of KWIC at Domjur, District Howrah

- Fixed population = 17120 nos
- Solid waste generation = 17120 X 600 gms/day

= 10272 Kg/day

= 10.272 T/day

- Floating population = 1700 nos
- Solid waste generation = 1700 X 150 gms/day

= 255 Kg/day

= 0.255 T/day

Total solid waste generation = (10.272+0.255) T/day

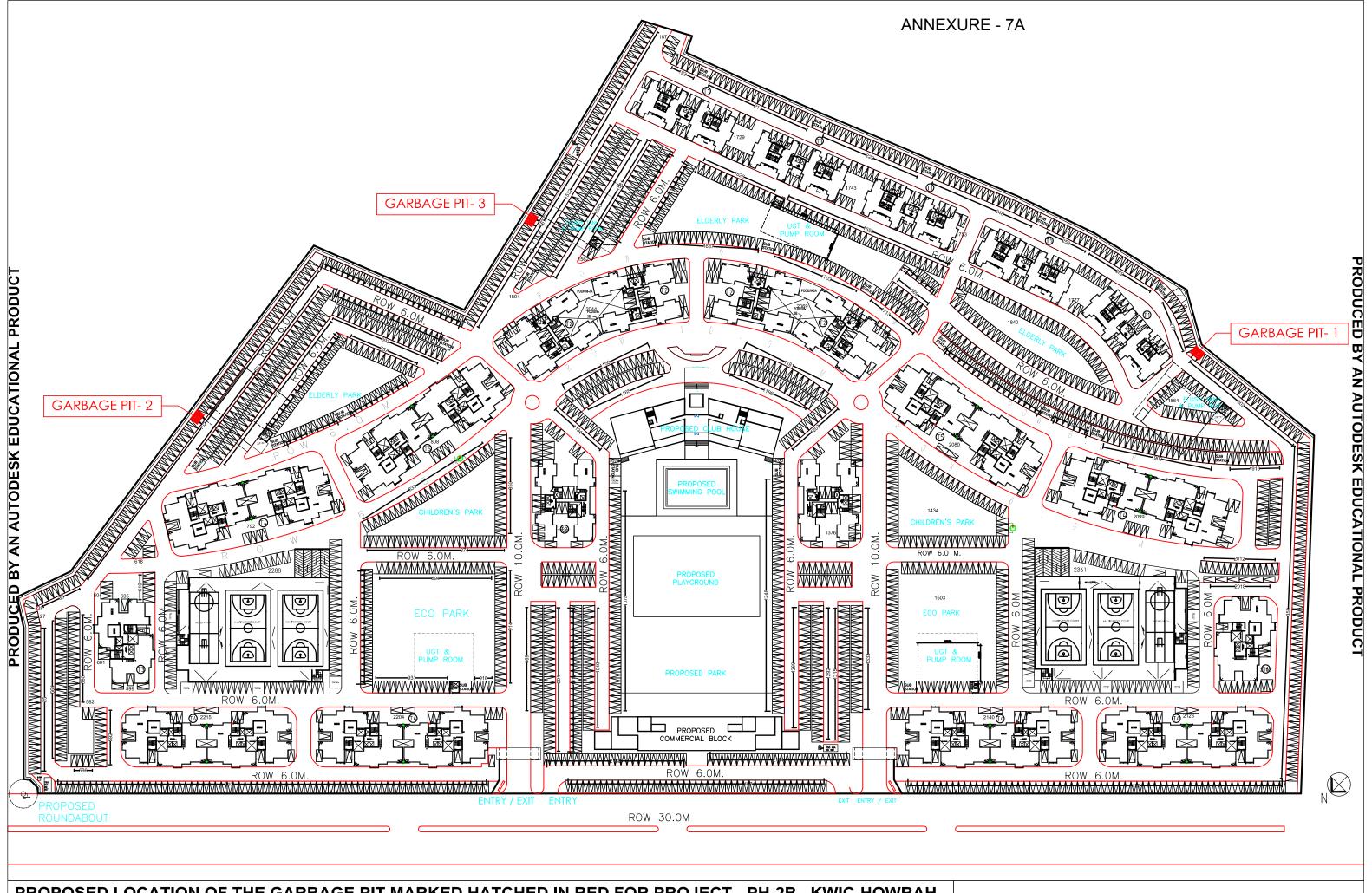
= 10.527 T/day

~ 10.5 T/day

• Biodegradable fraction = 40% of total solid waste generation

= 4.2 T/day

- Mechanically composted inside the site
 - o Area required 40 sqm
 - Area provided 45sqm (3 nos @ 15 sqm each as per attachment)
- Recyclable fraction to be disposed through Howrah Municipal Corporation
- Inorganic inert fraction also to be disposed through Howrah Municipal Corporation



PROPOSED LOCATION OF THE GARBAGE PIT MARKED HATCHED IN RED FOR PROJECT - PH-2B, KWIC-HOWRAH.

ond queue in front of a bank in Kolkata on Friday. - Biswajit Ghoshal

ANNEXURE - 8

nisanctions over ₹6 crore te weavers' cooperatives

fter getting the letter, ery quickly she sanconed the amount. We ave received the ntire amount and lready a major porion of it has been dis-

nan today, Debnath said at he has already sent a esh letter to the Union xtile minister seeking anction and release of the arketing incentive amountng to Rs 5 crore 85 lakhs of he fiscal 2012-2013, but has een long due.

"I have just received the tter from Smriti Iraniji that he has received the letter ent by me. Hopefully the old mount will be released ow," he added.

For delayed submission y the state government at

that time, the amount could the share capital of the apex not be sanctioned, sources

There are about 2000 weavers' cooperatives in the state, but only 500 have been functioning at present. The West Bengal State Handloom Weavers' Cooperative Society Limited, Tantuja, is the apex body of the primary weavers' cooperative societies of the state, and is mainly responsible for supply of inputs and marketing of Handloom products of primary societies.

The apex society is also engaged in organising and developing markets for handloom products within the state and outside. To establish and run sale depots within and outside the state for sale of handloom goods, the society needs adequate working capital. The state government contributes to society for strengthening its share capital base.

Each of the 500 weavers' cooperatives have 400 to 500 members. There are about several thousands of weavers registered under these

At present, like all other small and micro industries, the weavers' cooperatives of the state have also been affected.

A meeting has been held today at Khadi Bhawan, where besides minister, Deb. nath officials of the weavers' cooperatives, MD of Tantuja Rabindranath Roy, director of textiles (handloom, spinning mills, silk weaving and handloom based handicrafts) Debashish Ghosh and other top officials were present. The present scenario have been discussed in the meeting, sources said.

State BJP leaders protest against child trafficking

Kolkata, 2 December

State BJP leaders and supporters today launched an agitation against child trafficking and burnt the effigy of chief minister Mamata Banerjee demanding her resignation.

Actor and senior BJP leader Jay Banerjee, who is also associated with the medical and welfare cell of the BJP said that Miss Banerjee and minister of state for women & social welfare and child development Dr Shashi Panja must submit their resignation immediately as large number of infants were trafficked to other states of India and abroad by child traffickers after stealing the newborn babies from their mothers' custody. "State government could not bypass its responsibility regarding the pres-

wise racket. I have been flooded with calls from my NRI friends and fans from abroad as they expressed their concern regarding this matter," said Mr Banerjee.

BJP president Mr Dilip Ghosh and general secretary Debashree Chowdhury attended the rally.

A procession was organised from WIPRO More to Swasthya Bhavan to protest against baby trafficking. On being asked if Dr Dilip Ghosh who contested the Assembly polls on a BJP ticket was involved in the child trafficking racket, president Mr Ghosh said that the state BJP soon expelled him and he has to prove himself clean if he again wants to join the party. "We suspended him from all posts, but Ttinamul did not suspend any minister, MLA or MP involved in the Saradha scam."

FOREST OFFICIALS TO PUSH AWAY TUSKERS

crops under threat

nore than 200 hectare rea and more than 200 uman settlements. Mr arkar held a meeting ecently on this issue.

"At least 10 gram panchayat areas under Matigara, Naxalbari and Phansidewa blocks have een affected. We are conerned with the situaion," Sarkar said.

There are four elephant squads operational under the division.

"One squad involves the local people. The local people have been engaged because we are reeling under staff crisis. We have provided them

sound crackers, search lights and other necessary materials to prevent the elephants from damaging the huts, crops," Sherpa added.

The forest department had raised objections on the Nepal government's fencing move and had written to the Centre on this issue, urging them to take the matter up with the Nepal government.

Indian and Nepal share porous borders and there is no restriction on the movement on the people of both countries.

The elephants would often raid dwellings and

crops on both the sides. Drawn by ripe corn in the fields, Indian elephants would cross over to Nepal. Lives of several elephants and people were lost in the process. Thus elephants from the Indian side are not welcome in Nepal. The conflict has caused irreparable loss to both sides.

According to the animal lovers, it is the need of the hour to start the recruitment drive of the forest department and that the Centre should raise the issue of electric fencing with the Nepal government.

NOTICE

This is to inform all concerned that State Level **Environment Impact Assessment Authority** (Dept of Environment). Govt. of West Bengal, vide its letter No. 2237/EN/T-II-1/126/2008 (Pt-1) dated 04.10.2016 has accorded environmental clearance for Phase-2B of the proposed Township project by M/s. Kolkata West International City Pvt. Ltd. at Mouja Kona, Baltikuri, Bankra, Pakuria, Tentulkuli, Khalia and Salap, P.O. & P.S. Domjur, Dist. Howrah, West Bengal, Copy of the Environmental Clearance is available with the office of West Bengal Pollution Control Board, Kolkata.

M/s. Kolkata West International City Pvt. Ltd. Vichitra, Kolkata West International City, Salap Junction Howrah-Amta Road & Bombay Road Crossing; NH-6 Howrah - 711 403.

মাতে হার জিলিসের বিরুদ্ধে খেলার আগেই
বার্সা কেচ বিলিও দিয়েছিলেন ইনিয়েপ্তার
মাঠে ফেরার কথা। শুক্র-বার্র এক বিবৃতি দিয়ে
বার্সা জানিয়ে দের, শনিবারই মহারণে মাঠে
নামতে চলেছেন ইনিয়েপ্তা। মাঝমাঠে তার
সঙ্গে থাকবেন ইভান রাকিটিচ এবং সের্জিও
বাসকোরেটম। আক্রমণভাগে মেসি, নেইমার
এবং সুয়ারেজ থাকলেও সাম্প্রতিক অনেক
ম্যাচেই দেখা গেছে, মাঝমাঠ থেকে বল সাপ্লাই
বন্ধ হয়ে যাওয়ার কারণে বিশেষ সুবিধে করতে
পারছেন না বার্সার বিশ্বখ্যাত এয়ী। এবার
ইনিয়েপ্তা ফেরায় চিপ্তা কিছুটা হলেও কমবে



সাংবাদিক সম্মেলনে এনরিকে।

এনরিকোর। তবে এতদিন পর মাঠে ফিরে ইনিয়েস্তা নিজেকে কতটা মেলে ধরতে পারবেন, সেই প্রশ্নও থাকছে। শুক্রবার সাংবাদিক সম্মেলনে এনরিকে জানান, রিয়েল ম্যাচে শুক্র বলেছন, "সন্দেহ নেই, আমানের বিপক্ষ
প্রই শক্তিশালী। এইমুহুর্তে আমানের
ধারাবাহিকতাও কম। কিন্তু ওসব নিয়ে ভাবছিই
না। এখনও অনেক খেলা বাকি। নিশুরই
আমরা ঘুরে দাঁড়াব। একটু থেমেই জুড়ে
দিয়েছেন বার্সা কোচ, 'কাল আমানের লক্ষ্যই
হবে, আক্রমণের ঝাঁজ বাড়ানো, বল পজেশন
নিজদের দখলে রাক্ষা। আসলে এটাই আমানের
নীতি, তার খেকে সরে আসছি না। কোনও চাপ
অনুভব করছেনং এনরিকের উত্তর, 'এটা তো
আমার প্রথম এল ক্লাসিকো নয়। প্রেয়ার হিসেবে,
কোচ হিসেবেও আগে এল ক্লাসিকো খেলার

আমরা হারলে কঠিন সমসায় পড়ব।
এইভাবেই নিজেদের তাতাছেন বাস
ফুটবলাররা। ইনিয়েতা ফেরায় মনোবল বেম
বেড়েছে, তেমনই দিনের শেষে সবথেকে বা
ভরসা সেই ত্ররী— এম এন এস। নিজেদের
দিনে ওঁরাই পার্থক্য গড়ে দিতে জানেন
পারেনও। আর বিপক্ষ শিবিরে রোনাভের
মতো ফুটবলার থাকালে মেদি, নেইমাল
সুয়ারেজরা আরও ছলে উঠতে চাইবেন
আজ রাতে ওঁদের মধ্যে এই আগুনটাই
দেখতে চাইছেন কোচ এনরিকে থেকে তামান
সমর্থক ANNEXURE - 8A

সেরা র্যাঙ্কিং! সিন্ধু ৭

মুম্বই, ২ ডিসেম্বর— দু'ধাপ এগিয়ে কেরিয়ারের সেরা রাাঞ্চিংয়ে পি ভি সিদ্ধৃ। ব্যাডমিন্টন ওয়ার্ল্ড ফেডারেশনের প্রকাশিত মহিলাদের সিঙ্কলস রাাঞ্চিংয়ে সাত নম্বরে সিদ্ধৃ। এক ধাপ উঠে দশ নম্বরে সাইনা। চীন ওপেনের পর হংকং ওপেনের সুপার সিরিজে দুর্শান্ত পারফরমেন্সের সুবাদেই সিদ্ধুর এই উর্ল্লভ। রাঞ্চিংয়ে প্রথম সাতে চুকে পড়ার পাশাপাশি আসন্ন ব্যাডমিন্টন ওয়ার্ল্ড ফেডারেশন সুপার সিরিজের ফাইনালেও জায়গা পাকা করে নিলেন এই ভারতীয় তারকা। রাঞ্জিয়ে



উন্নতি হংকং ওপেনের রানার্স ভারতীয় ব্যাডমিন্টনের নতুন আবিষ্কার সমীর ভর্মার। ১৩ ধাপ উঠে ৩০ নম্বরে সমীর। একধাপ করে নেমেছেন কিদাদী শ্রীকান্ত (১৩) ও অজয় জয়রাম (১৯)।

বর্ষসেরা দেবশ্রী



আজকালের প্রতিবেদন: বাংলার বর্ষসেরা আ্যাথলিট দেবগ্রী মজুমদার। আ্যাথলেটিক কোচেস অ্যাসোসিয়েন অফ বেঙ্গলের বিচারে। দেবগ্রীকে দেওয়া হবে প্রণব ব্যানার্জি স্মৃতি পুরস্কার। বর্ষসেরা কোচ হিসেবে সুজিত সিনহা স্মৃতি পুরস্কার পাবেন ড. কল্যাণ চৌধুরি ও কর্মান দাস। রাজ্য মিটের সেরা অ্যাথলিট হিসেবে সত্যরঞ্জন রায় স্মৃতি পুরস্কার পাবেন লিলি দাস। লাইফটাইম আ্যাচিভমেন্ট আ্যাওয়ার্ড দেওয়া হবে

৪ জনকে। এঁরা হলেন সুনীল চাটার্জি, তপু দাস, অলকা হাজরা ও মল্লিকা দাস। ১১ ডিসেম্বর, রবিবার দুপুর ১২টায় মৌলালি যুব কেন্দ্রে তাঁদের হাতে পুরস্কার তুলে দেওয়া ধবে। সেদিনই অ্যাথলেটিক কোচেস অ্যাসোসিয়েশন অফ বেঙ্গলের বার্ষিক অ্যালাচনাচক্র।

নোটিস

সকলকে অবগত করা হচ্ছে যে পশ্চিমবন্ধ সরকার-এর এনভাররনমেন্ট ইমপ্যান্ট অ্যাসেসমেন্ট অর্থরিটি (পরিবেশ দপ্তর), চিঠি সংখ্যা 2237/EN/T-II-1/126/2008 (Pt-1) তারিখ 04.10.2016 দ্বারা কলকাতা ওয়েস্ট ইন্টারন্যাশনাল সিটি প্রাইভেট লিমিটেড-এর মৌজা কোনা, বালটিকুরি, বাঁকড়া, পাকুরিয়া, তেঁতুলকুলি, খালিয়া আর সলপ-এ প্রস্তাবিত টাউনশিপ প্রজেক্ট-এর ফেজ-2B-র জন্যে পরিবেশ সম্পর্কিত ছাড়পত্র প্রদান করেছেন। ছাড়পত্রের প্রতিলিপি পশ্চিমবন্ধ দৃষণ নিয়ন্ত্রণ পর্যদে পাওয়া যাবে।

কলকাতা ওয়েস্ট ইন্টারন্যাশনাল সিটি প্রাইভেট লিমিটেড বিচিত্রা, কলকাতা ওয়েস্ট ইন্টারন্যাশনাল সিটি, সলপ জংশান, হাওড়া-আমতা রোড এবং বোম্বে রোড ক্রশিং, এনএইচ-6 হাওড়া - 711 403.

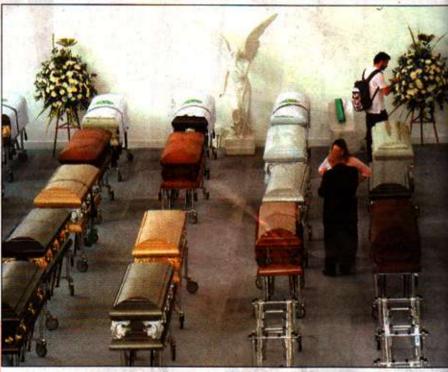
Mayurakahi/038/1

বর্ষসেরার দৌড়ে মেরি

আজকালের প্রতিবেদন:
মেসি, রোনান্ডা, গ্রিজম্যানের
ব্রিমুখী লড়াই। ফিফার বর্ষসেরা
ফুটবলারের পুরস্কারের দৌড়ে
২৩ জনের প্রাথমিক তালিকা
থেকে বাদ পড়লেন নেইমার,
বেল, সুয়ারেজ, ইব্রাহিমোভিচের
মতো তারকারা। ব্যালন ডি'ওরের

পাশাপাশি এবার থেকেই
বর্ষসেরাদের পুরস্কৃত করবে
ফিফা। এদিকে, কোচেদের চূড়ান্ত
তালিকায় জিদানের সঙ্গে মনোনীত
ক্রদিও রানিয়েরি ও ফার্নান্দো
স্যান্টোস। গত মরগুমে প্রিমিয়ার
লিগে লিস্টারের সাফল্যের জন্যই
রানিয়েরি ফিফার বর্ষসেরা

কোচের পুরস্কারের দৌড়ে একইরকম ভাবে পুর্তগালবে ইউরো চ্যাম্পিয়ন করা স্যাম্টোট এবং চ্যাম্পিয়ল লিগের সাফলোর জন্য জিদান। ২০১৬ সালে বিষ্টুটবলের মঞ্চে দলকে সাফল এনে দেওয়ার বিচারে প্রাথমিব ভালিকা থেকে কাটছাট করে



মন খারাপ করা ছবি। কাপেকোয়েলের নিহত ফুটবলার, কোচ, স্টাফদের দেহ বন্দী হবে এই কফিনগুলোতেই।

শোকস্তব্ধ গ্যাব্রিয়েল

আজকালের প্রতিবেদন: ইংলিশ লিগ কাপের নকআউট পর্বের ম্যাচে সাউদামটনের কাছে অপ্রত্যাশিত পরাজয়ের ধাৰু। কাটিয়ে উঠতে পেরেছে কি না আর্সেনাল, তা বলা যাছে না। তবে আর্সেন ওয়েঙ্গারের দলের নির্ভরযোগ্য ব্রঞ্জিলীয় ডিফেন্ডার গ্যারিয়েল পাউলিস্তা অনেক বেশি শোকস্তব্ধ গত সোমবারের বিমান দুর্ঘটনা নিয়ে। তাঁর দেশেরই ক্লাব দল কাপেকোয়েন্সের ২৬ জন ফুটবলারের আকস্মিক মৃত্যুর শোক যেন কাটিয়েই উঠতে পারছেন না গ্যাব্রিয়েল। বুধবারের ম্যাচের আগে তাঁর হাতে দেখা গিয়েছিল নিহতদের স্মৃতির প্রতি শ্রদ্ধা জানিয়ে লেখা একটি ব্যানার। আর ম্যাচ শেষে আর্সেনালের সরকারি ওয়েবসাইটের সাংবাদিকের সামনে এসে ফুঁপিয়ে কেঁদেই ফেলেন গুমরীয়েল। কাপেকোয়েন্সের যে সব ফুটবলার মারা গেছেন এই ভয়াল দুর্ঘটনায়, তাঁদের অনেকের সঙ্গেই পরিচয় ছির্ল 'গানার্স' ডিফেন্ডারের। তবে ব্রাজিলীয় ক্লাব দল ভিট্যৈরিয়ায় থাকাকালীন কোচ হিসেবে যাঁকে পেয়েছিলেন সেই কাইয়ো জুনিয়রের মারা যাওয়ার খবরটা আরও বেশি করে আঘাত দিয়েছে গ্যাব্রিয়েলকে।

পেলের প্রার্থনা



আজকালের প্রতিবেদন
গোটা ব্রাজিল যেমন শোবে
মুবড়ে পড়েছে, তিনিও
তার ব্যতিক্রম নন। বিমান
দুর্ঘটনায় কাপেকোরেলের
ফুটবলার, কোচ, সাপোর
য়্টাকদের মর্মাতিক মৃত্যুবে
তিনিও শোকস্তর। ফুটবল
সমাট পেলে বলেছেন

'ব্রজিলিয়ানদের কাছে অত্যন্ত কঠিন সময়। ৰ আমাদের, গোটা ব্রাজিলকে শোকাহত করেছে প্রার্থনা করি, নিহতদের পরিবার যেন এই পরিস্থিতি থেকে বেরিয়ে আসার শক্তি পায়। এই পৃথিবীতে অনেক দুর্ঘটনাই ঘটে। কিন্তু এটা বেশি দুঃখের কারণ, ওরা আমাদের ভাই। তবে কঠিন সময়েও কতিগ্রন্ত পরিবারগুলোর পাশে দাঁড়াতে হবে।'

Medical Fitness Certificate

Project: Joyville Howrels	Region :- <u>88/есси</u>
Certified that I, Dr. Aminu/ Islam Sava ———————————————————————————————————	GNave examined Mr. I Ms. S.K. Say Fe 797
General & Physical examination of Mr./Ms.	did not reveal any
abnormality. He / she does not suffer from any acute / o	
tetanus, typhoid, cholera or other infectious disease	. His / her eye site is normal with / without
glasses.	

In my opinion, Mr./ Ms. SK. SayFeyy J is physically and mentally fit for working at heights or elsewhere at a construction site.

Details of examination are given below:

Parameter	Remarks
Height	51511
*Chest	
Weight	sg ug.
**Vision, glass No. if applicable	616
Hearing ability	
Pulse	60
Blood pressure	110/65

Parameter	Yes	No
Epilepsy		1
Frequent headache		1
Height phobia		1
Limping gait		1
Physical deformity		1
Flat foot		1
Mental depression	n	

Allergies -

Medical history of past three years: - Admitted to hospital -Yes / No. Surgeries - Yes / No. Any other health related information:

CAM DUALS HE

Signature / thumb impression of

Workman

Signature & rubber stamp of Medical Practitioner with Reg No.

*In case of Batching plant operators & cement loading/unloading labours, attach Lung function test

**In case of Drivers/Operators, crane signalers attach separate vision test record by an ophthalmologist
***In case of Cooks they shall be vaccinated for typhoid every three years

Medical Fitness Certificate

Project - Joyville Hourah Region - Esterch

the my notified block is Sayiful Islam to physically and mentally filler working of houghts or elsewhere at a construction site.

Details of examination are given below:

Purameter	Remarks
Hs gh	516"
10-23 	-7100
Weight	5719
C-Vision, glass No. if a glassia	574g
Heering ability	
Phone N	60.
Bourpresum	126/62-

Pasameter	Yes	No
Follepsy		
Frequent headacha		
Heigh, problet.		- 1
Limping pail		1
Physical deformily		1
Flat foot		V
Menta deprovoica		

- Invitag

Mercent history of produced years: - Admiced to hospital - Year No. Burgeries - Year Mo. For your entropids sufered intornation.

स्यम् अविभूत

Signature / Chemb Logart taken e/

Workman

DR. AMINUL ISLAM SARDAR
M. (Cal)
Signature Visibler signipRage
O. 52761

Wasteel Practitioner with Fice No.

In case of Servin _ plant necessors & cornect loading/s-loading Mahours, extern bury function for report

The course of Colors (Courses), remover, representations at achieves to a region test recording arregional burging to come of Course they shall be seen a put to typhe develop inches pears.

Medical Fitness Certificate

Estery

Certified that I, Dr. Amimus Islam Say dee you examined Mr. / Ms. — 1 a Pali kelmay Naskay Age So years on (date) 24-01, who has singed below in my presence.

General & Physical examination of Mr./Ms. — did not reveal any abnormality. He / she does not suffer from any acute / chronic skin or contagious disease like tetanus, typhoid, cholera or other infectious disease. His / her eye site is normal with / without glasses.

In my opinion, Mr./ Ms. Lapan kurnay was kan physically and mentally fit for working at heights or elsewhere at a construction site.

Details of examination are given below:-

Parameter	Remarks
Height	5/84
*Chest	
Weight	6549
"'Vision, glass No. if applicable	654g.
Hearing ability	
Pulse	61
Blood pressure	119/73

Parameter	Yes	No
Epilepsy		V
Frequent headache		1
Height phobia		V
Limping gait		V
Physical deformity		1
Flat foot		V
Mental depression		1

Allergies -

Medical history of past three years: - Admitted to hospital -Yes / No. Surgeries - Yes / No. Any other health related information:

J. Northour

Signature / thumb impression of

Workman

DR. AMINUL ISLAM SARDAR
M.B.B.S.(Cal)
Regn. No. 52761

Signature & rubber stamp of Medical Practitioner with Reg No.

*In case of Batching plant operators & cement loading/unloading labours, attach Lung function test report

"In case of Drivers/Operators, crane signalers attach separate vision test record by an ophthalmologist
"In case of Cooks they shall be vaccinated for typhoid every three years

ANNEXURE- 10

STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY

Poura Bhavan, Block 'FD'-415A, 4th Floor, Sector III, Salt Lake, Kolkata – 700 106

Telefax No. 033 2337 0268

Date: 04 / 10 /2016

Website: www.environmentwb.gov.in

No. 2237 /EN/ T-II-1/126/2008(Pt-1)

To M/s. Kolkata West International City Pvt. Ltd. "Vichitra", Kolkata West International City, Salap Junction, Howrah Amta Road and Bombay Road Crossing, NH6 Howrah – 711 403

SUB.: Environmental Clearance for the Phase 2B of the proposed Township Project by M/s. Kolkata West International City Pvt. Ltd. at Mouza — Kona, Balitikuri, Bankra, Pakuria, Tentulkuli, Khalia & Salap, PO & PS — Domjur, Dist — Howrah, West Bengal.

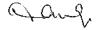
Sir.

This has a reference to the application for environmental clearance for the Phase 2B of the proposed Township Project by M/s. Kolkata West International City Pvt. Ltd. at Mouza – Kona, Balitikuri, Bankra, Pakuria, Tentulkuli, Khalia & Salap, PO & PS – Domjur, Dist – Howrah, West Bengal.

The proposal has been examined and processed in accordance with the EIA Notification, 2006.

It is noted that the salient features of the project (Phase 2B) for which Environmental clearance has been considered are given below:

Land Area	30.325 acres (122719 sqm.)	
Latitude & Longitude	22 ⁰ 37'13.64"N & 88 ⁰ 17'25.91"E	
Expected Population	18820 persons	
Building profile	5 nos. of G+19, 7 nos. G+20 & 9 no G+21 storied	
Total Water requirement	2940 KLD	
Fresh water requirement	1763 KLD (source-KMDA supply)	
Wastewater generated	nerated 2010 KLD (to be treated in Phase 2B STP)	
Treated waste water recycled	1178 KLD (to be used in toilet flushing, landscaping & car washing)	
Treated waste water discharge	833 KLD (to be discharged to Howrah drainage canal)	
Solid waste disposal	10.5 TPD (to be disposed off through onsite compost plant & HMC)	
Total Built-up Area	327439.95 sqm.	
Ground Coverage	5.52 acres (22343.83 sqm.), (18.02% of land area)	
Roads & Paved areas	7.54 acres (30530 sq.m) (24.88% of land area)	
Exclusive tree plantation area	6.267 acres (25362 sq.m) (20.67% of land area)	



Other Green area	9.96 acres (40301 sq.m) (35.22% of land area)	
Waterbody	0.367 acres (1484 sq.m) (1.21% of land area)	
No. of plantation proposed	1776 nos.	
No. of Car Parking spaces proposed	3361 nos.(covered-1000 nos, open-2361 nos.)	
Power requirement	13 MVA (at least 1% of total power requirement shall be met from solar power)	
Use of solar power	At least 100 KW of solar power to be generated and utilized n addition to stand alone solar street lights inside Phase 2B	
Backup Power	DG Sets (1x1010KVA, 2x750 KVA)	

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 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 & Climate Change, GOI, subject to strict compliance of terms and conditions as mentioned below:-

Part A - SPECIFIC CONDITIONS

I. Construction Phase

Facility of labourers during construction: -

- i. Provision of drinking water, wastewater disposal and solid waste management should be ensured for labour camps. Water usage during construction should be optimized to avoid any wastage.
- ii. Proper sanitation facilities should be provided for construction workers to ensure environmental sanitation. Sewage generated from the areas occupied by the construction labourers have to be directed into the existing sewage drain of the area. In case of non availability of the sewer system, an onsite treatment system has to be provided.
- iii. The scaffolds, stairs and platforms for construction works and the workers must be secured as far as possible to prevent any accident.
- iv. Health and safety of the workers should be ensured during construction. Personnel protective equipment like shoes, helmets, earmuffs, earplugs etc. should be provided to the workers. For vibration control damped tools must be used and the number of hours that a worker uses them must be limited. The Management must ensure that the workers put them while doing work that needs such protection, if any.
- v. Rest and convenience shelter for workers with crèche facility, if required, particularly for women, must be provided with proper toilet facilities.

Steps to avoid disturbance during construction:-

- 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.
- ii. 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.



- iii. 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.
- iv. Diesel generator sets during construction phase should have acoustic enclosures and should conform to E(P) Rules prescribed for air and noise emission standards.
- v. 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 nonpeaking hours.
- vi. Ambient noise levels should conform to residential standards both during day and night. Fortnightly monitoring of ambient air quality (SPM, SO2 and NOx) and equivalent noise levels should be ensured during construction phase.
- vii. Construction spoils including bituminous material and other hazardous materials including oil from construction equipments 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.
- viii. 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.
 - ix. 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.
 - x. The proponent must ensure that no driven piles shall be proposed for this project, if there is any major settlement in the surrounding areas.
 - xi. 15m-screen and adequate sprinkler arrangement shall be provided. Care should be taken to keep all material storages adequately covered and contained so that they are not exposed to winds.
 - xii. Use of Ready-Mix concrete is recommended for this project.
- xiii. Adequate measures to be adopted to avoid wastage of water for curing of concrete structures.
 - xiv. 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.
 - xv. Locally available materials with less transportation cost should be used preferably.
 - xvi.Promotion of use of cleaner fuel and fuel quality improvement should be done. Excessive energy consumption and fuel usage should be avoided.
- xvii. Accumulation / stagnation of water should be avoided to ensure vector control.

Selection of materials for better energy efficiency:-

- 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 27.8.2003 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.

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- 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.
- 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 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 no. of solar lights should be installed for external lighting as per norms. All common area lighting will be LED system.
- ix. Solar water heating arrangement will be done for water heating.
- x. Passive solar cooling to be incorporated in building design. Buildings should be oriented for ensuring natural ventilation and daylighting.
- xi. 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.
- xii. Use of high albedo or reflective pavements to keep parking lots, pavements and inside roads cool should be incorporated.
- xiii. Guidelines to the occupants should include usage efficiency measures such as energy efficient lighting and water efficient system.
- xiv.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.
- xv. Adequate open space, greenery and water bodies to be provided as per rules.
- xvi.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

xvii. Restrict the use of glazed surface as per National Building Code 2005.

Water Body Conservation:-

i. 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.

Plantation 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 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 1776 trees. Indicative list of species is given at Annexure I. The landscape planning should include plantation of native species. The species with heavy foliage, broad leaves 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.

Water supply:-

i. Water requirement during construction phase shall be met from KMDA 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.

O and

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.

Storm water Management & Mitigation of Heat Island Effect:-

- i. Imperviousness of the site shall not exceed the NBC (National Building Code 2005) standards for imperviousness factor applicable to different types of area.
- ii. Total paved area of site under parking, roads, paths or any other use should not exceed 25% of the site area.
- iii. Minimum 50% of paved area on site should have pervious paving or shaded under vegetation or topped with finish having solar reflectance of 0.5 or higher.
- 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. Disruption to the natural hydrology of the site should be minimised by reducing impervious cover, increasing on site infiltration and managing storm water run off.
- vi. 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.

Rain Water Harvesting Scheme:-

- i. The proponent must follow the Rainwater Harvesting Guidelines of the State Expert Appraisal Committee (SEAC) available in the website (http://www.wbpcb.gov.in).
- 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. Adequate firefighting storage should be provided as per norms.

Municipal Solid Waste Management :-

 Adequate provision shall be made for storage and segregation of solid waste and adequate means of access shall be provided.

Transport Management: -

- i. Both internal and external traffic planning and management should be adequate to ensure uninterrupted traffic movement in the area during construction as well as operation phase.
- ii. The design of service road and the entry and exit from the project area should conform to the norms & standards of competent authority for traffic management. Bell mouth type arrangement should be made at the entry & exit. Proper traffic management plan should be adopted in consultation with Traffic authorities.
- iii. Clarified Wastewater will be used for sprinkling water on the unpaved internal roads on a regular basis.

Others:-

- i. All mandatory approvals and permission as required from Director of Explosives, Fire Department etc. should be obtained.
- ii. Provision of Effective Controls and Building Management Systems such as Automatic Fire Alarm and Fire Detection and Suppression System etc. must be ensured.
- iii. Efficient management of indoor air quality must be ensured for health and safety of the users.

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- iv. 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.
- v. Rest room facilities should be provided for service population.
- vi. Adequate access to fire tenders should be provided.

II. Operation Phase

Water supply:-

- i. Water requirement during construction phase shall be met from KMDA 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 and records to be maintained. Use of water efficient devices / fixtures and appliances should be promoted.
- iii. Dual plumbing system to be installed for maximum use of treated wastewater.
- iv. The proponent must practice rainwater harvesting on regular basis.

Sewage Treatment Plant:-

- i. Dedicated STP to be provided for Phase 2B. Entire waste water shall be treated in STP. Treated waste water shall be partly reused for toilet flushing, landscaping, internal road and pavement cleaning etc. and rest to be discharged.
- ii. Water meter to be installed at STP inlet & discharge outlet point of treated water and regular records to be maintained.
- iii. Provision for backup power for operation of STP during power failure should be made.

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.

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 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. Back up 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 100 KW of solar power to be generated and utilized in addition to stand alone solar street lights inside Phase 2B.
- vi. The project proponent should use solar energy at least for street lighting.



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.
- iii. Dedicated cycle tracks should be included inside the Phase 2B.

Solid Waste Management:-

- i. The proponent should abide by the Municipal Solid Wastes (Management and Handling) Rules, 2000. 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 municipality.
- 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 odor control in onsite compost plant should be made.
- vi. Non-recyclable inorganics and rejects will be disposed off through municipality 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 Wastes (Management, Handling and Transboundary Movement) Rules, 2008. 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 Wastes (Management, Handling and Transboundary Movement) Rules, 2008.
 - ix. Spent oil from DG Sets should be stored in HDPE drums in isolated covered facility and disposed off as per the Hazardous Wastes (Management, Handling and Transboundary Movement) Rules, 2008. Spent oil from DG Sets should be disposed off through registered recyclers only.

Others :-

- i. The implementation of Environmental Management Plan should be carried out, as proposed. Regular menitoring 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.

and

- iii. Fire fighting systems should be designed in compliance with the WBFS and NBC norms. Preventive measures should be adopted for Risk & Disaster Management as per the provisions of the National Building Code 2005.
- iv. Public utility services such as common public toilets to be provided.
- v. The Corporate Social Responsibility Plan with specific financial commitment should be implemented for the proposed project. At least 2% of the total project cost should be utilized for Corporate Social Responsibility programmes.
- vi. 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.
- vii. Environmental Management Information System shall be maintained properly.
- viii. The proponent should restrict the use of glazed surface as per National Building Code, 2005.
- ix. All the recommendations made in the ElA/EMP report should be complied with.
- x. Fraction of covered area that would be illuminated by natural lighting of the proposed buildings to be reported in the first compliance report.
- xi. Fire escape, evacuation plan and means thereof, the refuge areas and floor levels to be reported in the first compliance report.
- xii. All the conditions stipulated for individual phases in the EC for the whole township vide no. 572 /EN/ T-II-1/126/2008 dated 09 / 03 /2016 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. Provision should be made for the supply of kerosene or cooking gas to the labourers during construction phase. All the labourers to be engaged for construction works should be screened for health and adequately treated before issue of work permits.
- vii. The project proponent should make financial provision in the total budget of the project for implementation of the suggested safeguard measures.
- viii. 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.
- ix. 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.
- x. 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,

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- 1986, to ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.
- xi. 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.
- xii. 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.
- xiii. 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.
- xiv. 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 Wastes (Management, Handling and Transboundary Movement) Rules, 2008, the Public Liability Insurance Act, 1991, the Environment Impact Assessment Notification 2006 and their amendments.

.....

xv. The contact details of the proponent and the name of the consultant are given below –

	Name of the Contact person with Designation	Chinmoy Mukherjee, Vice-President (Construction)		
	Address	Vichitra, Kolkata West International City, Salap, NH-6, Howrah-711403		
	Email	contact@kwic.co.in		
Telephone Number, Fax Number		Ph no. +91-3330026000, Fax no-3303256508		
	Name of the Consultant	M/s. Ghosh Bose & Associates Pvt. Ltd.		
	I			

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

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Date: 04 / 10 /2016

No. 2237 /EN/ T-II-1/126/2008/(Pt-I)/1(3)

Copy forwarded to :-

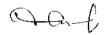
- 1. Secretary, SEAC & M.S. WBPCB
- 2. Officer-in-Charge, Regional Office (Eastern Zone), Ministry of Environment & Forests, Government of India, A-3, Chandrashekharpur, Bhubaneswar 751 023, Orissa.
- 3. Guard file / Record file.

Sd/-Chief Environment Officer & Member Secretary, SEIAA

Annexure - I

LIST OF TREES PROPOSED FOR PLANTATION

SI. No.	BOTANICAL NAME	COMMON NAME	QUANTITY
1.	Delonix regia	Gulmohor	200
2.	Mimusops elengi	Bakul	250
3.	Peltophorum pterocarpum	Radhachura	100
4.	Alstonia scholaris	Chhatim	100
5.	Bauhinia variegata	Raktakanchan	250
6.	Cassia fistula	Amaltas	100
7.	Michelia champaca	Golden Champa	100
8.	Spathodea campanulata	Tulip Tree	100
9.	Tabebuia rosea	Rosy Trumpet Tree	100
10.	Jacaranda mimosifolia	Nil Gulmohor	200
11.	Thespesia populnea	Poros	76
12.	Polyalthia longifolia	Debdaru	100
13.	Lagerstroemia speciosa	Jarul	100
		Total	1776



WEST BENGAL POLLUTION CONTROL BOARD

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

Memo No. 64- SEE-Camac/WEPCB-KWIC-Howrah-125/2006/PART-I 14.02.2017

From:

Member Secretary, West Bengal Pollution Control Board



M/s. Kolkata West International City Pvt. Ltd.
To: "Vichitra", Kolkata West International City,
Salap Jn. Howrah-Amta Road, & Bombay Road,
NH-6, Howrah-711403.

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

18.01.2017

Ref: i) Your letter No. KWIC/SP/PLNG/I/2016-17/074

ii) EC issued by SEIAA, WB vide no.2237/EN/T-II-1/126/2008(Pt-I) dated 04.10.2016

Dear Sirs,

West International City Pvt. Ltd. - PHASE 2B

for manufacturing/storage/installation Construction of residential complex having 5 nos. of G+19. 7 nos. of G+20 & 9 nos. G+21 storied with total built up area 327439.95 sqm. at Mouza-Kona. Baltikuri, Bankra, Pakuria,*

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.

*Tentulkuli, Khalia & Salap, PO & PS-Domjur, Dist-Howrah.

- 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.
- 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.
- 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

NO147004

- You shall comply with
 - 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
 - Environment (Protection) Rules, 1986 (iv)
 - (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
 - Manufacture, Use, Import and Storage and Hazardous Micro-Organisms, Genetically Engineered Organisms (vii) or Cell Rules, 1989
 - (viii) The Public Liability Insurance Act, 1991 and Amended Act, 1992
 - The Public Liability Insurance Rules, 1991 and Amended Rules 1993 (ix)
 - (x) Biomedical Wastes (Management & Handling) Rules, 1998 and Amended Rules 2000 if applicable.
 - (xi) Recycled Plastics Manufacture and Usage Rules 1999, if applicable and
 - 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 8. Departments etc.

SPECIAL CONDITION:

Gross capital investment of the Phase 2B project Rs. 242 crores. Please refer to annexure attached herewith.

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

Yours faithfully Engineer(EIM Cell)

West Bengal Pollution Control Board

Memo No. SEE-Camac/WBPCB-KWIC-Howrah-125/2006/Page-I dated Copy forwarded for information to:

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

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

Paribahan Nagar

Matigara, Siliguri

Dist.-Darjeeling

10, Camac Street

2nd Floor

Kolkata-700 017

Paribesh Bhawan

10A, LA-Block, Sector-III

Salt Lake City, Kolkata - 700 098

Satya Chowdhury

Balurchar Bandh Road

Indoor Stadium

Block-05 at 40

Flats Complex Adjacent to Priyambada

Housing Estate P.O.: Khanjanchak, P.S. Durgachak Haldia-721602

Dist.: Purba Medinipur

Asansol Sub-Regional Office

ADDA Commercial Market (2nd Floor) Opposite Asansol Fire Station

Member Secretary.

Sr. Env. Engineer(EIM Cell)

West Bengal Pollution Control Board

pecial Conditions issued to M/s. Kolkata West International City Pvt. Ltd. for phase-2B at Mouza-Kona, Baltikuri, Bankra, Pakaria, Tentulkhali, Khalia & Salap, P.O & P.S-Domjur, Dist-Howrah.

pg 1 of 2

A. Emission: DG Sets - 1x1010 KVA & 2x750 KVA.

Stacks -

- Each DG sets to be provided with acoustic enclosures and residential silencer with individual stacks of adequate ht. above the roof of DG building.
- 2. Stacks to have sampling port, platform and ladder as per the Emission Regulation Part III of CPCB.
- Emission standards, Fuel specification and Stack height should comply with the prescribed limits under the notification of Ministry of Environment & Forest, Govt. of India, G.S.R. 489(E) [09.07.2002] and subsequent amendments.
- B. <u>Effluent:</u>- Domestic waste water shall be treated in adequately designed STP. Treated waste water shall be partly reused and partly discharged to municipal drain. Discharge of treated waste water shall conform to E(P) Rules. Sewage Treatment Plants should be monitored on a regular basis and records should be maintained properly.
- C. <u>Solid Waste</u>:- to be collected and disposed off regularly as per the Municipal Solid Wastes (Management and Handling) Rules, 2000 and Solid Waste Management Rules, 2016. The project proponent shall install on-site compost plant for treatment & disposal of bio-degradable fraction of MSW.

D. General:-

- The Project Proponent shall have to obtain prior concurrence from the concerned municipality 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.
- 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 proponent should obtain necessary clearance for DG Sets from the Directorate of Electricity before applying for Consent-to-Operate.
- 5. 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.

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- b) Operation of Ready Mix Plant, if installed and Vibrator.
- c) Loading and unloading of construction materials.

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- 6. Adequate measures are to be taken to reduce vibration during piling work.
- 7. 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.
- 8. 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.
- The project proponent should take necessary care not to cause any inconvenience to the residents of surrounding neighbourhood. Regular supervision should be in place all through the construction phase so as to avoid disturbance to the surroundings.
- 10. 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.
- 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 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.

Sr. Environmental Engineer
W B Pollution Control Board
Dent. of Environment, CSWI

Annexure I to NOC Sl. No. NO147004

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Special Control of the Control

Special Conditions issued to M/s. Kolkata West International City Pvt. Ltd. for phase-2B at Mouza-Kona, Baltikuri, Bankra, Pakuria, Tentulkhali, Khalia & Salap, P.O & P. Domjur, Dist-Howrah.

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 Not 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.

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 personles.

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 tree?

21. Use of energy efficient construction materials should be ensured. Water. "Scient 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 programmes 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 de' led information on the salient features of the proposed project.

27. No water bodies should not be lined and their embankments should not be cemented.

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. 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. 2237EN/T-II-1/126/2008(Pt-1) dated 04.10.2016.

30. This NOC is valid up to 31.01.2024 for Phase 2B of township comprising of 5 nos. G+19, 7 nos. G+20 & 9 no. G+21 storied over an area of 30.325 acres and total built-up area of project shall be 327439.95 sq.m.

Member Secretary
West Bengal Pollution Control Board

Sr. Environmental Engineer
W B Pollution Control Board
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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-7/001/2009

Dated: December 10th., 2009.

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:

- · 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
 f 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,

 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).

· 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.

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.

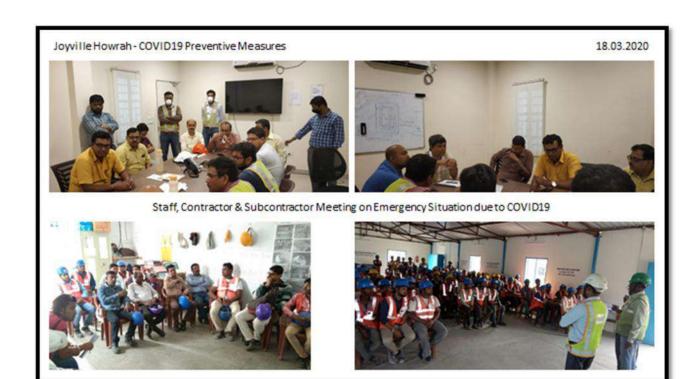
- 8) The Executive Officer......Municipality.

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.

Precautionary Measures During COVID Situation









Screening of Govt circulated Awareness Videos





Deep cleaning maintained at camp area





Awareness Talk & Pamphlet Distribution on DO's & DON'Ts







19.03.2020

Provision of hand wash at site and campentry

19.03.2020



19.03.2020



Display of DO's & DON'Ts info at offices and camps





Joyville Howrah - COVID19 Preventive Measures

Food & Other Essentials Supply

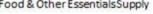












Washing of the food items with hot/soap

water



Distribution offood and essentials maintaining social distancing

Daily supply of food items and essentials ensured No shortage of material still now

Joyville Howrah - COVID19 Preventive Measures



Daily thermal screening of all







Daily waste disposal/ housekeeping at living areas

Other facilities/ initiatives



Daily spraying of disinfectants/sanitization at office, labour accommodation, dinning hall, vehicles, etc.

Joyville Howrah - COVID19 Preventive Measures



Daily awarenesstalk by Doctor & EHS team



Other facilities/ initiatives



Daily head counting



Health screening by doctor every alternative days

Joyville Howrah - COVID19 Preventive Measures







Other facilities/ initiatives





24X7 Security service









- Disinfectant spray continued at office, camp & workplaces.
- Purchased spray machine
- Disinfectant Sodium Hypochlorite purchased and maintain sufficient stock
- Dedicated people made available for carrying out disinfection, training given and provided necessary personal protective equipment.



Near project entrance Sanitization tunnel installed





PHOTOGRAPHS

