



BONHOOGHLY-I GRAM PANCHAYAT

Under Sonarpur Panchayat Samity

Vill- Joyanpur. P.O- Dingelpota, P.S- Nrendrapur, Dist.-South 24 Parganas, Kol-700151

Email - gpbonhooghly@gmail.com

RUPALI NASKAR- PRODHAN

MOB: 9875590934

ISTIYAK AHMED- UPA-PRODHAN

MOB:9836020275

Memo No:

Dated: 02/12/2024

To

M/s. Archana Properties Private Limited,
11, Crooked Lane, Kolkata -700069



Sub : NOC Regd. drainage system of treated sewage and storm water for your proposed Residential Complex at Mohan Ghosh Road, Bagher Ghol, Garia, LR Dag No. 1508, 1509, 1510, 1511, 1512, 1517, 1518, 1519, 1520, 1521, 1522, 1539, 1540, 1541, 1542, 1543, 1544, 1548, 1549, 1550, L.R. Khatian No. - 2222, J.L. No. - 58, Mouza - Ramchandrapur & L.R. Dag No. - 2555, 2556, 2557, 2558, 2564, 2565, 2566, 2567, L.R. Khatian No. - 6665, J.L. No. - 65, Mouza - Bonhooghly, P.S. - Sonarpur, District - South 24 Pargana.

Ref No. : Your letter dated-16.08.2024

Dear Sir,

With reference to the above, we would like to inform you that we have noted that your project is coming in the above said address.

You have to install your own STP within the project area and maximise the reuse of the treated wastewater in your project area. Roof top rain water to be harvested as per norm. You can discharge storm water and excess treated wastewater in the Panchayat drain in front of your project. Treated wastewater quality should conform to the WBPCB standard.

The charges for the above said facilities will be intimated to you in due course, that is after completion of the project.

This is for your information.

Thanking You,


Prodhan

Bonhooghly-I Gram Panchayat

Prodhan

Bonhooghly-I Gram Panchayat
Block & P.S.- Sonarpur, 24 Pgs.



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RUPALI NASKAR- PRODHAN

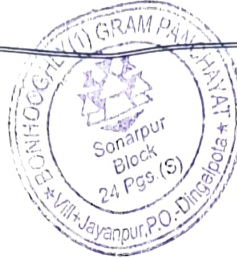
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ISTIAK AHMED- UPA-PRODHAN

MOB:9836020275

Memo No:

Dated: 02/12/2024



To,
M/s. Archana Properties Private Limited,
11, Crooked Lane, Kolkata - 700069

Sub: NOC Regarding construction of proposed Residential Complex at Mohan Ghosh Road, Bagher Ghol, Garia, LR Dag No. 1508, 1509, 1510, 1511, 1512, 1517, 1518, 1519, 1520, 1521, 1522, 1539, 1540, 1541, 1542, 1543, 1544, 1548, 1549, 1550, L.R. Khatian No. - 2222, J.L. No. - 58, Mouza - Ramchandrapur & L.R. Dag No. - 2555, 2556, 2557, 2558, 2564, 2565, 2566, 2567, L.R. Khatian No. - 6665, J.L. No. - 65, Mouza - Bonhooghly, P.S. - Sonarpur, District - South 24 Pargana.

Dear Sir,

It is noted that your project is coming up in the above said address. We have no objection if you construct Residential Complex abiding all the Government norms.

We would also like to inform you that Panchayat shall not be able to provide water supply for the project but Panchayat has no objection if your company arranges for the construction of deep tube well at your own expense, maintaining all rules and regulations, to meet the water demands.

This is for your information.

Thanking You,

Raskar
Prodhan

Bonhooghly-I Gram Panchayat

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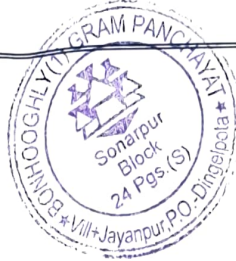
Email - gpbonhooghly@gmail.com

RUPALI NASKAR- PRODHAN
MOB: 9875590934

ISTIYAK AHMED- UPA-PRODHAN
MOB:9836020275

Memo No:

Dated: 02/12/2024



To
M/s. Archana Properties Private Limited,
11, Crooked Lane, Kolkata - 700069

Sub: Issue of concurrence letter for providing Secured Landfilling (SLF) facilities for your proposed Residential Complex at Mohan Ghosh Road, Bagher Ghol, Garia, LR Dag No. 1508, 1509, 1510, 1511, 1512, 1517, 1518, 1519, 1520, 1521, 1522, 1539, 1540, 1541, 1542, 1543, 1544, 1548, 1549, 1550, L.R. Khatian No. - 2222, J.L. No. - 58, Mouza - Ramchandrapur & L.R. Dag No. - 2555, 2556, 2557, 2558, 2564, 2565, 2566, 2567, L.R. Khatian No. - 6665, J.L. No. - 65, Mouza - Bonhooghly, P.S. - Sonarpur, District - South 24 Pargana.

Ref.: With reference to your letter dated-09.09.2024

Dear Sir,

With reference to your application letter dated -09.09.2024 regarding the subject mentioned above, it is stated that the Bonhooghly 1 Gram Panchayat is in process of procuring land for solid waste management including Secured Land filling (SLF) facility for the panchayat area considering upcoming projects.

We agree to provide you the SLF facility to be operated by us as soon as possible. Necessary charges for extending this facility will be informed to you in due course of time.

Our proposal for treatment of inert inorganic waste is attached herewith.


Prodhan 02/12/24
Bonhooghly-I Gram Panchayat

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Block & P.S.-Sonarpur, 24 Pgs

MUNICIPAL SOLID WASTE MANAGEMENT PROPOSAL FOR PANCHAYAT

SWM for Gram Panchayat (GP)

Generation from Gram Panchayat population (Assuming population of GP= 24000)
= 24000 * 250gms/head/day = 6000 kg/day
Add for floating population of 6000 @ 100gm/head/day = 6000*100 gm/c/day = 600kg/day
Total generation from GP – population = 6000 + 600 = 6600 kg/day = 6.6 MT/day

The general characteristics of solid waste generation indicate organic part as 40%, inorganic recyclables as 20% & inorganic inert material as 40%(Ref : NBC 2016- VOL 2, PART 9, Section 3, Page No.-9, Clause 5).

Organic waste (40%)	= 2640 kg/day.
Non-recyclable inorganic (40%)	= 2640 kg/day.
Recyclable inorganic (20%)	= 1320 kg/day.

Pedal tricycle will be used for primary collection.

Each Pedal tricycle will make 2 trips/day.

In each trip Pedal tricycle will carry 160 kg solid waste

Therefore, No of Pedal tricycle required including Standby (25%)=[6600/(2*160)]*1.25= 26 Nos.

Storage and Segregation of waste

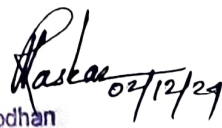
The total waste generated will be segregated into organic, inorganic recyclables and inorganic inert material at the MSW management site of GP.

The organic waste will be decomposed on site by Mechanical Composter, i.e. OWC. As well as Organic waste composter (OWC) will be installed within each project site. The inorganic solid waste will be segregated to separate recyclable and non - recyclable parts. The recyclables will be sold to the recyclers. The remaining Part of inorganic solid waste (inert material) will be disposed at secured landfill site.

Volume required for Solid Waste segregation @ 200 kg / cum = 6600 / 200 = 33 cum
Considering Storage depth = 0.5 m

Area required for Solid Waste segregation for the entire project = (33.0/0.5) = 66.0sqm
Say total segregation area = 1.25 times of 66sqm= 82.5 sqm
Considering additional 20% space for movement,

Total area for storage and segregation of waste = 82.5*1.20 = 99.0sqm


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Organic waste management

Area required for composting organic waste by OWC method @ 50 sqm/MT of raw solid waste = 1320 sqm

Total area requirement for organic waste composting = 1320.0sqm,

Inorganic waste management

The inorganic recyclable waste generated = 20% of 6600 kg/day = 1320 kg/day
The recyclable waste will be disposed off in regular manner.

Total inorganic waste disposed of in secured landfill site of Gram Panchayat = 150 kg /day (maximum value taken)

Area required inert waste to be disposed in secured landfill :-

Non-recyclable inorganic from GP	= 2640 kg/day
Rejects from compost plant of GP	= 264 kg/day (10% of 2640 kg/day)
Quantity of non-recyclable inorganic and rejects from composting from 6 nos. of similar Projects (assuming)	= 3000 kg/day (6 * 500 kg/day)
Total	= 5904 kg/day, Say 6000 Kg/day


Considering density = 500kg/m³
Compaction = 50%
Final Earth cover = 60 cm
Depth of fill = 6 m

Area Requirement = $(6000 \times 365 \times 30 \times 0.5 \times 1.1) / (500 \times 6) = 12,045 \text{sqm}$.
Adding 10% area more to take care of population rise,
Actual area required for landfilling = 13,249.5sqm., Say 13250 sqm

TOTAL AREA REQUIRED FOR MUNICIPAL SOLID WASTE MANAGEMENT BY THE PANCHAYAT :-

Sl. No.	Component	Area (sqm)
1	Storage and Segregation	99.00
2	Organic waste Composting	1320.00
3	Secured Landfilling	13250.00
	TOTAL	14669.00
	Say	15000.00

We are in the process for procuring land for MSW management in association with the developers in the Panchayat area.


Pradhan
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Block & P.S.-Sonarpur, 24 Pgs.
02/12/24