

## Inspection Report of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area

[W.R.T Orders of Hon'ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI & Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt. of NCT & Ors]

**Date of Inspection: 08.02.2017**

### 1. General Information

- (a) **Name and Address of the Establishment:** Tivoli Garden Resort (A unit of T.G. Leisure & Resort Pvt. Ltd.)  
(Bulk Waste Generator) Kh No. 646-653, Main Chattarpur Temple Road
- (b) **Owner /Partner / Managing Director's Name and Telephone No.** Sh. Rohit Gupta (Dir.) 9810323286
- (c) **Month & Year of Establishment** 2002
- (d) **Name and Designation of the Person(s) Contacted at the site** Sh. Mukesh Chaudhary 9212556232
- (e) **Size of Premises (in Square Meter)** (i) Plot Area 26726.98 M<sup>2</sup> (ii) Built up Area 3327.67 M<sup>2</sup>

### 2. Type of Establishment

- (Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.)
- Motel  
No. of rooms -36  
Restaurant (01) -58 seats  
Banquet Hall (02) - 900 Person  
Lawn (02) - 400 Persons

### 3. Status of Licenses

- (a) Environmental Clearance Not Applicable
- (b) Consent under the Air & Water Acts **Yes** [Valid upto **28.01.2019**]
- (c) Municipal Corporation License **Yes** [Valid upto **31.03.2017**]
- (d) Certificate from Fire Department **Yes** [Valid upto- **25.09.2019**]  
Regarding Fire Safety

### 4. Water and Waste Water

- (a) **Source of Water Supply**
- : (i) Delhi Jal Board – No information provided  
(ii) **Bore well** [No(s) **01**, Permission from DJB/CGWA. **Yes**]  
(iii) Tankers – No information provided

#### (b) Water Consumption / Requirement and Waste Water Generation

S.No.	Purpose /Use	Average Water Consumption/ Requirement* (in Liters /day)	Peak Water Consumption/ Requirement at full capacity** (in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	8000 ltr.	Rooms= 36x2x180= 12960	
(ii)	Air Conditioning /Cooling Plant or Boiler Feed	1500 ltr.	Restaurant= 58x70= 4060	
(iii)	Kitchen	4500 ltr.	Banquet= (900+400)x70= 91000	80% of 108020
(iv)	Laundry	NA		
(v)	Swimming Pool	NA		
(vi)	Horticulture / Gardening	5000		
(vii)	Others			
	<b>Total Quantity</b>	19000	108020	86416

\*As per information furnished by the unit

\*\*Estimated as per Standards of CPHEEO, 1999 manual

**5. Waste Water Management**

**(a) Waste Water Treatment System**

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational/ Not Operational)
Effluent Treatment Plant (ETP)	--	--	--	--	--
Sewage Treatment Plant (STP)	From Motels	50	Biological Process	O/G trap, Eq. tank, Aeration Settling tank etc	Operational

- (b) Mode of Disposal of Treated Waste Water : Gardening Etc
- (c) Whether All Sections connected to STP : Yes
- (d) Whether Adequacy Report of STP submitted : Yes
- (e) Whether Effluent sample taken by DPCC laboratory : Yes
- (f) Whether Effluent analysis report from DPCC lab : Yes  
is Meeting the Prescribed Standard:
- (g) Whether Flow Meter Installed at Inlet and Outlet of STP : **No**
- (h) Whether Separate Energy Meter provided for STP : **No**
- (i) Whether Log Book of ETP / STP is being maintained : **Not maintained properly.**
- (j) ETP / STP Sludge generation : 5 Kg /day (As furnished)  
Mode of Disposal : Used as Compost in Horticulture  
sludge record not maintained
- (j) Reuse of Treated Waste Water: **(i) Gardening / Horticulture** 15000 ltr/day (As furnished)
- (ii) Air Conditioning Plant / Cooling Tower ..... Liters /day
- (iii) Boiler ..... Liters /day
- (iv) Flushing (Toilets) ..... Liters /day
- (v) Any other ..... Liters /day

**Total Quantity.....Liters /day**

**6. Air Pollution Aspects**

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken	Remarks (If any)
1.	<b>Kitchen</b>	02	LPG	Hood and Suction arrangement provided to Channelize the kitchen emission over terrace	
2.	<b>Boiler</b>	02	HSD	Adequate stack ht	
3.	<b>Diesel Generator(s)</b>	1X125 1X250 1X750 1X380 1X250	HSD	DG sets are kept in Acoustically treated Canopy and having Adequate stack height Except 1 DG set (250 KVA) found inadequate	Stack Height with 1 DG set(250 KVA) Found inadequate.
4.	<b>Others</b>				

**7. Waste Management**

S. No.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes/No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes/No) (Name & Address of the Vendor)
(i)	<b>Municipal Solid Waste</b>	100 kg/day (As Informed verbally During inspection) 171.8 kg Per day (Estimated peak generation)*	No	No	No		Anwar Khan S/o Nalwa Khan, 583, Hazira Colony, Near Bari Masjid, Chattarpur, New Delhi
(ii)	<b>Construction &amp; Demolition Waste</b>	No records made Available			No	Not Provided/ As per Contract Agreement	
(iii)	<b>Domestic Hazardous Waste</b>	No records made Available			No	Not Provided	
(iv)	<b>Hazardous Waste (Used /Waste Oil)</b>	No records made Available			No	Not Provided	
(v)	<b>E-Waste</b>	No records made Available			No	Not Provided	
(vi)	<b>Lead Acid Battery Waste</b>	No records made Available			No	Not Provided	
(vi)	<b>Garden Waste</b>	15 kg/day	No	No	No	Composting	
(vii)	<b>Recyclable Waste</b>	No records made Available			No	Not Provided	

\*Based on the data furnished by the unit.

\*\*Based on the full occupancy + floating population figure adopted from MSW Manual 2000.

**8. Rain Water Harvesting System (RWHS)**

: Yes

No of RWHS Pits- 12 (Partially Functional)

**Observations/Comments of the inspection on 08.02.2017**

- As informed by the unit, the unit was established in year 2002, Plot Area of the Motel is 26726.98 sq.mtr and Built up Area 3327.67sq.mtr. Environment Clearance is not available with the unit as established in year 2002.
- The Motel is having valid Consent to Operate under Air and Water Act which is valid till **28.01.2019**.
- Water is procured through one Borewell and having registration from CGWA for the same.
- STP of capacity 50 KLD has been installed. STP is biological type and was found operational. As per calculations of DJB, STP design capacity is less than the waste water generation during peak (No information is available in the CPHEEO Manual regarding water requirement by banquet halls/party lawn however DJB has considered Banquet Halls/party lawn at par with the Restaurants).
- Flow meters not installed at Inlet & outlet of STP. No separate energy meter provided for STP.

6. Though Log Book for operation of the STP has been maintained however lacks important information particularly w.r.t Quantity of waste water treated each day and sludge generated. Proper maintenance of the Logbook for operation of STP is required.
7. The information/record with regarding to mass water balance could not be shown during inspection however as informed treated effluent is re used for gardening purpose only.
8. No information could be provided for quantum of sludge but it was informed that sludge is used for horticulture.
9. One sample of effluent was taken at the inlet of STP and outlet of STP by DPCC Lab. Results of the sample taken depicts that the Motel is meeting the effluent standards.
10. Unit has provided channelization system for kitchen emissions with adequate stack height.
11. Unit having five DG sets, 4-DG sets are having acoustic enclosure and adequate stack height however one DG set (250 KVA) is having acoustic enclosure but inadequate stack height.

### Issues:-

- Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- STP of capacity 50 KLD has been installed. STP is biological type and was found operational. As per calculations of DJB, STP design capacity is less than the waste water generation during peak (No information is available in the CPHEEO Manual regarding water requirement by banquet halls/party lawn however DJB has considered Banquet Halls/party lawn at par with the Restaurants). Flow meters not installed at Inlet & outlet of STP. No separate energy meter provided for STP.
- Though Log Book for operation of the STP has been maintained however lacks important information particularly w.r.t Quantity of waste water treated each day and sludge generated. Proper maintenance of the Logbook for operation of STP is required.
- Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- The information/record with regarding to mass water balance could not be shown during inspection however as informed treated effluent is re used for gardening purpose only.
- No information could be provided for quantum of sludge but it was informed that sludge is used for horticulture.
- Unit having five DG sets, however one DG set (250 KVA) is having inadequate stack height.
- All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc. & operation of STP is need to be standardized, so that the uniformity can be maintained.

## Inspection Report of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area

[W.R.T Orders of Hon'ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI & Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt of NCT & Ors]

**Date of Inspection: 08.02.2017**

### 1. General Information

- (a) **Name and Address of the Establishment:** (Bulk Waste Generator) M/s Lilywhite Hotel  
Kh. No. 772, 773, 774 Village Chattarpur, Main Road
- (b) **Owner /Partner / Managing Director's Name and Telephone No.** Mrs. Harbans Kaur (Partner)  
Mr. Amir Khan (Sales G.M), 9899740776
- (c) **Month & Year of Establishment** July - 2010
- (d) **Name and Designation of the Person(s) Contacted at the site** Mr. Surender Singh Bhandari  
8882222686
- (e) **Size of Premises (in Square Meter)** (i) Plot Area- 13488M<sup>2</sup> (ii) Built up Area- 3669 M<sup>2</sup>

### 2. Type of Establishment

(Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.)

Motel

No of Room – 19, Restaurant = 01 (35 Persons)  
Banquet Hall+Lawn = 02 (650 Persons)

### 3. Status of Licenses

- (a) Environmental Clearance  
(b) Consent under the Air & Water Acts  
(c) Municipal Corporation License  
(d) Certificate from Fire Department Regarding Fire Safety

**Not Applicable**

**Yes** [Valid upto- **12.06.2019**]

**Yes** [Valid upto- **31.03.2017**]

**Yes** [Valid upto- **17.03.2019**]

### 4. Water and Waste Water

#### (a) Source of Water Supply

- : (i) Delhi Jal Board – No bill provided  
(ii) **Bore well** [No(s) **01**, Permission from DJB/CGWA. No]  
(iii) Tankers – No information provided

#### (b) Water Consumption / Requirement and Waste Water Generation

S. No.	Purpose /Use	Average Water Consumption/ Requirement* (in Liters /day)	Peak Water Consumption/Requirement at full capacity** (in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	6675	Rooms= 19x2x180= 6840	
(ii)	Air Conditioning /Cooling Plant or Boiler Feed	--	Restaurant= 35x70= 2450	
(iii)	Kitchen	1950	Banquet= 650x70= 45500	80% of 54790
(iv)	Laundry	--		
(v)	Swimming Pool	--		
(vi)	Horticulture / Gardening	2500		
(vii)	Others	--		
	<b>Total Quantity</b>	11125	54790	43832

\*As per information furnished by the unit

\*\*Estimated as per Standards of CPHEEO, 1999 manual

**5. Waste Water Management**

**(a) Waste Water Treatment System**

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational / Not Operational)	Remarks (If any)
Effluent Treatment Plant (ETP)	--	--	--	--	--	--
Sewage Treatment Plant (STP)	From Motel	20	Biological process	O/G trap, Eq. tank, Aeration tank, Settling tank etc	Operational	Condition of STP revealed that it was not operated on regular basis

- (b) Mode of Disposal of Treated Waste Water : Gardening etc
- (c) Whether All Sections connected to STP : Yes
- (d) Whether Adequacy Report of STP submitted : Yes
- (e) Whether Effluent sample taken by DPCC laboratory : Yes
- (f) Whether Effluent analysis report from DPCC lab is Meeting the Prescribed Standard: : No (from DPCC Lab Dated 14.02.2017)
- (g) Whether Flow Meter Installed at Inlet and Outlet of STP : **No**
- (h) Whether Separate Energy Meter provided for STP : **No**
- (i) Whether Log Book of STP is being maintained : Logbook available however not maintained properly
- (j) ETP / STP Sludge generation : 2 Kg/day (As furnished) however No Wet / Dry Sludge observed during inspection  
 Mode of Disposal : Used as Compost in Horticulture (as informed) Sludge record not maintained
- (j) Reuse of Treated Waste Water:
  - (i) Gardening / Horticulture : No record provided
  - (ii) Air Conditioning Plant / Cooling Tower ..... Liters /day
  - (iii) Boiler ..... Liters /day
  - (iv) Flushing (Toilets) ..... Liters /day
  - (v) Any other ..... Liters /day

**Total Quantity.....Liters /day**

**6. Air Pollution Aspects**

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	<b>Kitchen</b>	<b>01</b>	<b>LPG</b>	Hood and Suction arrangement provided to Channelize the kitchen emission over terrace
2.	<b>Boiler</b>	--	--	--
3.	<b>Diesel Generator(s)</b>	<b>02</b> <b>1X250 KVA</b> <b>1X125 KVA</b>	<b>HSD</b>	DG sets are kept in acoustically treated enclosure and having adequate stack height
4.	<b>Others</b>			

## 7. Waste Management

S. No.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes/No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes/No) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	70 kg/day (As Provided letter by the Concerned Unit) 87.50 kg Per day (Estimated peak generation)*	No	No	Yes		M/s HRAE Waste Pvt. Ltd. Agreement not Provided
(ii)	Construction & Demolition Waste	No records made Available					
(iii)	Domestic Hazardous Waste	No records made Available					
(iv)	Hazardous Waste (Used /Waste Oil)	No records made Available					
(v)	E-Waste	100gm(as informed)					
(vi)	Lead Acid Battery Waste	No records made Available					
(vi)	Garden Waste	No records made Available	No	No	No		
(vii)	Recyclable Waste	6kg (as informed)					

\*Based on the data furnished by the unit.

\*\*Based on the full occupancy + floating population figure adopted from MSW Manual 2000.

## 8. Rain Water Harvesting System (RWHS)

: Yes

No of RWHS Pits - 03 Nos (Non – Functional)

## Observations /Comments of the inspection on 08.02.2017

- As informed by the Motel, the Motel was established in year 2010, Plot Area of the Motel is 13488 Sq.mtr & Built up Area- 3669 Sq.mtr.
- The Motel is having valid Consent to Operate under Air and Water Act which is valid till **12.06.2019**.
- Water is procured through one Borewell and not having Permission from DJB/CGWA for the same.
- STP of capacity 20 KLD has been installed. STP is biological type and was found operational however Condition of STP revealed that it was not operated on regular basis, as no wet/dry sludge available at site, filter press found defunct and non-operational condition, no sludge drying bed found, only two plastics tanks for sludge holding (as informed) filled up with waste water.
- As per calculations of DJB, STP design capacity is less than the waste water generation during peak (No information is available in the CPHEEO Manual regarding water requirement by banquet halls/party lawn however DJB has considered Banquet Halls/party lawn at par with the Restaurants).
- Flow meters not installed at Inlet & outlet of STP. No separate energy meter provided for STP.
- Though Log Book for operation of the STP has been maintained however lacks important information particularly w.r.t Quantity of waste water treated each day with flow meter reading and sludge generated. Proper maintenance of the Logbook for operation of STP is required.
- The information/record with regarding to mass water balance could not be shown during inspection however as informed treated effluent is re used for gardening purpose only.

9. As informed sludge generation is 2 kg/day and used for horticulture however no wet/dry sludge available at site during inspection.
10. Effluent samples were collected by DPCC laboratory from the Inlet and Outlet of STP during inspection on 08.02.2017 and Effluent analysis report of DPCC dated 14.02.2017 shows that STP is not meeting the prescribed standards.
11. Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height.

**Issues:-**

- Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- STP of capacity 20 KLD has been installed. STP is biological type and was found operational however Condition of STP revealed that it was not operated on regular basis, as no wet/dry sludge available at site, filter press found defunct and non operational condition, no sludge drying bed found, only two plastics tanks for sludge holding (as informed) filled up with waste water.
- As per calculations of DJB, STP design capacity is less than the waste water generation during peak (No information is available in the CPHEEO Manual regarding water requirement by banquet halls/party lawn however DJB has considered Banquet Halls/party lawn at par with the Restaurants).
- Flow meters not installed at Inlet & outlet of STP. No separate energy meter provided for STP.
- Though Log Book for operation of the STP has been maintained however lacks important information particularly w.r.t Quantity of waste water treated each day with flow meter reading and sludge generated. Proper maintenance of the Logbook for operation of STP is required.
- The information/record with regarding to mass water balance could not be shown during inspection however as informed treated effluent is re used for gardening purpose only.
- As informed sludge generation is 2 kg/day and used for horticulture however no wet/dry sludge available at site during inspection.
- Effluent samples were collected by DPCC laboratory from the Inlet and Outlet of STP during inspection on 08.02.2017 and Effluent analysis report of DPCC dated 14.02.2017 shows that STP is not meeting the prescribed standards.
- Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height.
- All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc. & operation of STP is need to be standardized, so that the uniformity can be maintained.

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**Date of Inspection: 08.02.2017**

### 1. General Information

- (a) **Name and Address of the Establishment** (Bulk Waste Generator) M/s G. K. Motel Pvt. Ltd. (Oodles Hotel)  
Kh. No. 759 – 762 Main Road Chattarpur, New Delhi-74
- (b) **Owner /Partner / Managing Director's Name and Telephone No.** Mr. Satish Kapoor  
011-26549700
- (c) **Month & Year of Establishment** Nov- 2013
- (d) **Name and Designation of the Person(s) Contacted at the site** Mr. Pallav Vishwas  
9910001248
- (e) **Size of Premises (in Square Meter)** (i) Plot Area- **17746.6 M<sup>2</sup>** (ii) Built up Area- **2600 M<sup>2</sup>**

### 2. Type of Establishment

- (Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.)) **Motel**  
**Room- 40, Banquet Hall- 02 (650 Persons)**  
Party Lawn – 01 (300 Persons), Restaurant – 01 (50 Persons)

### 3. Status of Licenses

- (a) **Environmental Clearance** **Not Applicable**
- (b) **Consent under the Air & Water Acts** Not Applied for Consent to Operate  
Unit has obtained Consent to Establish only in the name of M/s G.K. Motel Pvt. Ltd. As per lease deed M/s Raghav Buildcon Pvt. Ltd. "Oodles Hotels" lease out to M/s G.K. Motel Pvt. Ltd. However Motel has not obtained/applied for Consent to Operate under Water and Air Acts from DPCC.
- (c) **Municipal Corporation License** Yes [Valid upto- **31.03.2017**]
- (d) **Certificate from Fire Department regarding Fire Safety** Yes [Valid upto- **08.06.2019**]

### 4. Water and Waste Water

- (a) **Source of Water Supply** : (i) Delhi Jal Board – No information provided  
(ii) **Bore well [No(s)- 01, Permission from DJB/CGWA.. No]**  
(iii) Tankers- No information provided

### (b) Water Consumption / Requirement and Waste Water Generation

S. No.	Purpose /Use	Average Water Consumption/ Requirement* (in Liters /day)	Peak Water Consumption/Requirement at full capacity** (in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	17565	Rooms= 40x2x180=	
(ii)	Air Conditioning /Cooling Plant or Boiler Feed		14400	
(iii)	Kitchen	4680	Restaurant= 50x70=	80% of 84400
(iv)	Laundry		3500	
(v)	Swimming Pool		Party Lawn= 300x70=	
(vi)	Horticulture / Gardening	5000	21000,	
(vii)	Others		Banquet=650x70=	
			45500	
	<b>Total Quantity</b>	<b>27245</b>	<b>84400</b>	<b>67520</b>

\*As per information furnished by the unit

\*\*Estimated as per Standards of CPHEEO, 1999 manual

**5. Waste Water Management**

**(a) Waste Water Treatment System**

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational/ Not Operational)
Effluent Treatment Plant (ETP)	--	--	--	--	--
Sewage Treatment Plant (STP)	From Motel	<b>45</b>	<b>Biological Process</b>	O/G trap, Eq. tank, Aeration tank, Settling tank etc	<b>Partially Operational</b>

- (b) Mode of Disposal of Treated Waste Water : Gardening etc
- (c) Whether All Sections connected to STP : Yes
- (d) Whether Adequacy Report of STP submitted : No
- (e) Whether Effluent sample taken by DPCC laboratory : Yes
- (f) Whether Effluent analysis report from DPCC lab is Meeting the Prescribed Standard: : No (from DPCC lab Dated 14.02.2017)
- (g) Whether Flow Meter Installed at Inlet and Outlet of STP : **No**
- (h) Whether Separate Energy Meter provided for STP : **No**
- (i) Whether Log Book of ETP / STP is being maintained : **No**
- (a) ETP / STP Sludge generation : 2.5 Kg/day (As furnished) however No Wet / Dry Sludge observed during inspection
- Mode of Disposal : Used as Compost in Horticulture (as informed) Sludge record not maintained

- (j) Reuse of Treated Waste Water:
  - (i) **Gardening / Horticulture** 5000 ltr/day (As furnished)  
(No record provided)
  - (ii) Air Conditioning Plant / Cooling Tower ..... Liters /day
  - (iii) Boiler 500 Liters /day
  - (iv) Flushing (Toilets) 17565 Liters /day
  - (v) Any other ..... Liters /day

**Total Quantity.....Liters /day**

**6. Air Pollution Aspects**

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	<b>Kitchen</b>	<b>02</b>	<b>L.P.G</b>	Hood and Suction arrangement provided to Channelize the kitchen emission Over terrace.
2.	<b>Boiler</b>	<b>02</b>	<b>H.S.D</b>	Adequate stack ht provided.
3.	<b>Diesel Generator(s)</b>	<b>02</b> <b>1X320 KVA</b> <b>1X500 KVA</b>	<b>H.S.D</b>	DG sets are kept in acoustically treated enclosure and having adequate stack height
4.	<b>Others</b>			

## 7. Waste Management

S. No.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes /No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the Vendor)
(i)	<b>Municipal Solid Waste</b>	60 kg./day (As Provided letter by the Concerned Unit) 140 kg Per day (Estimated peak generation)*	No	No	No		HRE Waste Pvt. Ltd. Agreement not Provided
(ii)	<b>Construction &amp; Demolition Waste</b>	No records made available					
(iii)	<b>Domestic Hazardous Waste</b>	No records made available					
(iv)	<b>Hazardous Waste (Used /Waste Oil )</b>	No records made available					
(v)	<b>E-Waste</b>	No records made available					
(vi)	<b>Lead Acid Battery Waste</b>	No records made Available					
(vi)	<b>Garden Waste</b>	5	No	No	No		Compost
(vii)	<b>Recyclable Waste</b>	No records made available					

\*Based on the data furnished by the unit.

\*\*Based on the full occupancy + floating population figure adopted from MSW Manual 2000.

## 8. Rain Water Harvesting System (RWHS)

: Yes

No of RWHS Pits- 01 (Not Functional)

## Observations/Comments of the inspection on 08.02.2017

- As informed by the Motel, the Motel was established in year 2013, Plot Area of the Motel is 17746.6 Sq.mtr and built up area is 2600 Sq.mtr. Environment Clearance is not available with the Motel.
- Motel has obtained Consent to Establish on 26.07.2016 only in the name of M/s G.K. Motel Pvt. Ltd. As per lease deed M/s Raghav Buildcon Pvt. Ltd. "Oodles Hotels" lease out to M/s

- G.K. Motel Pvt. Ltd. However Motel has not obtained/applied for Consent to Operate under Water and Air Acts from DPCC.
3. Water is procured through one Borewell and is not having Permission from DJB/CGWA for the same.
  4. STP of capacity 45 KLD has been installed. STP is biological type and was found partially operational. Only MBBR-I and MBBR-II were in operation. Sludge thickener/holding tank found dry and filled up with garbage. Clear water tank was also filled up with dry garbage.
  5. As per calculations of DJB, STP design capacity is less than the waste water generation during peak (No information is available in the CPHEEO Manual regarding water requirement by banquet halls/party lawn however DJB has considered Banquet Halls/party lawn at par with the Restaurants).
  6. Flow meters not installed at Inlet & outlet of STP. No separate energy meter provided for STP.
  7. Log book of STP not maintained and could not be shown during inspection.
  8. The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is re used for gardening purpose only.
  9. No information could be provided for quantum of sludge but it was informed that sludge is used for horticulture.
  10. Effluent samples were collected by DPCC laboratory from the Inlet and Outlet of STP during inspection on 08.02.2017 and Effluent analysis report of DPCC dated 14.02.2017 shows that STP is not meeting the prescribed standards.
  11. Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height.
  12. All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
  13. Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc & operation of STP needs to be standardized, so that the uniformity can be maintained.

#### Issues:-

- Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- Motel has obtained Consent to Establish on 26.07.2016 only in the name of M/s G.K. Motel Pvt. Ltd. As per lease deed M/s Raghav Buildcon Pvt. Ltd. "Oodles Hotels" lease out to M/s G.K. Motel Pvt. Ltd. However Motel has not obtained/applied for Consent to Operate under Water and Air Acts from DPCC.
- Water is procured through one Borewell and is not having Permission from DJB/CGWA for the same.
- STP of capacity 45 KLD has been installed. STP is biological type and was found partially operational. Only MBBR-I and MBBR-II were in operation. Sludge thickener/holding tank found dry and filled up with garbage. Clear water tank was also filled up with dry garbage.
- As per calculations of DJB, STP design capacity is less than the waste water generation during peak (No information is available in the CPHEEO Manual regarding water requirement by banquet halls/party lawn however DJB has considered Banquet Halls/party lawn at par with the Restaurants).

- Flow meters not installed at Inlet & outlet of STP. No separate energy meter provided for STP.
- Log book of STP not maintained and could not be shown during inspection.
- The information/record with regarding to mass water balance could not be shown during inspection however as informed treated effluent is re used for gardening purpose only.
- No information could be provided for quantum of sludge but it was informed that sludge is used for horticulture.
- Effluent samples were collected by DPCC laboratory from the Inlet and Outlet of STP during inspection on 08.02.2017 and Effluent analysis report of DPCC dated 14.02.2017 shows that STP is not meeting the prescribed standards.
- All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc. & operation of STP needs to be standardized, so that the uniformity can be maintained.

**Inspection Report of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area**

[W.R.T Orders of Hon'ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI&Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt of NCT &Ors]

**Date of Inspection: 09.02.2017**

**1. General Information**

- (a) **Name and Address of the Establishment:** TRILLION MOTELS PVT. LTD.  
(Bulk Waste Generator) Kh. No. 218/3/2, 22/3/2, 219/1220, M.G. Road Sultan Pur New Delhi-110074
- (b) **Owner /Partner / Managing Director's Name and Telephone No.** Mr. Ashwani Kumar Mehra (Director) 9891011252
- (c) **Month & Year of Establishment** Jan-2011
- (d) **Name and Designation of the Person(s) Contacted at the site** Jagdish Aneja (Manager) Naveen Jha - 9560666002
- (e) **Size of Premises (in Square Meter)** (i) Plot Area- 11719 M<sup>2</sup> (ii) Built up Area- 2890.69 M<sup>2</sup>

**2. Type of Establishment**

Motels with Banquets

(Bulk Waste Generator) (Main Activities/ Units / Facilities (No of Rooms / Beds etc.) Room- 14 nos. Party Lawn+Banquets = 2 No. (400 Persons) Restaurant = 01 (90 Persons)

**3. Status of Licenses**

(a) **Environmental Clearance** : Yes [Issued on 30.11.2015] Present built up area is 2890.69 m<sup>2</sup> and EC obtained for redevelopment of Trillion Motel vide letter dated 30.11.2015 from SEIAA. As informed, proposed built-up area will be 35913.909 m<sup>2</sup> for redevelopment of Trillion Motel. Construction and Demolition work is proposed in Mar-2017 & they are in process to submit application for Consent to Establish for proposed building of redevelopment of Trillion Motel.

- (b) **Consent under the Air & Water Acts** Yes [Valid upto 4.10.17]
- (c) **Municipal Corporation License** Yes [Valid upto 31.3.17]
- (d) **Certificate from Fire Department** Yes [Valid upto 16.10.19]

**4. Water and Waste Water**

(a) **Source of Water Supply** (i) Bore well [01 No(s) Permission from DJB/CGWA No]

**(b) Water Consumption / Requirement and Waste Water Generation**

S.No.	Purpose /Use	*Average Water Consumption/ Requirement (Lit /day)	**Peak Water Consumption/Requirement at full capacity(in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	1575.00	Hotel Rooms 14x2x180=5040 Banquet = 400x70=28000 Restaurant- 90x70=6300	80% of 39340
(ii)	Air Conditioning /Cooling Plant or Boiler Feed			
(iii)	Kitchen	4670.00		
(iv)	Laundry			
(v)	Swimming Pool			
(vi)	Horticulture / Gardening	2500.00		
(vii)	Others			
<b>Total Quantity</b>		8745.00	39340	32000

\* As per information furnished by the unit.

\*\* Estimated as per standards of CPHEEO Manual, 1999.

### 5. Waste Water Management

#### (a) Waste Water Treatment System

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational/ Not Operational)
Effluent Treatment Plant (ETP)	--	---	--	--	---
Sewage Treatment Plant (STP)	From Motel	28	Biological Treatment	O/G trap, Eq. tank, Aeration tank, Settling tank etc	Operational

- (b) Mode of Disposal of Treated Waste Water : Gardening etc
- (c) Whether All Sections connected to ETP/STP : Yes
- (d) Whether Adequacy Report of STP submitted : Yes
- (e) Whether Effluent sample taken by DPCC laboratory : Yes
- (f) Whether Effluent analysis report from DPCC lab : Yes  
is Meeting the Prescribed Standard:
- (g) Whether Flow Meter Installed at Inlet and Outlet of STP : No.
- (h) Whether Separate Energy Meter provided for STP : **No**
- (i) Whether Log Book of ETP / STP is being maintained : **No**
- (j) ETP / STP Sludge generation : 2kg/day ( as furnished) No Wet/Dry sludge observed.  
Mode of Disposal Used as Compost in Horticulture (As informed). No record provided)
- (k) Reuse of Treated Waste Water:
  - (i) **Gardening / Horticulture** No record provided
  - (ii) Cooling Tower ..... Liters /day
  - (iii) Boiler ..... Liters /day
  - (iv) Flushing (Toilets) ..... Liters /day
  - (v) Any other ..... Liters /day

**Total Quantity** ..... Liters /day

### 6. Air Pollution Aspects

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	<b>Kitchen</b>	01	LPG	Hood and suction arrangement provided to channelize the kitchen emissions however stack is below terrace
2.	<b>Boiler</b>	-	-	-
3.	<b>Diesel Generator(s)</b>	01 1X320 KVA	HSD	Acoustic Enclosure and adequate stack height
4.	<b>Others</b>			

**7. Waste Management**

S. No.	Type of Waste	Quantity of Waste *Generated/**Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided –Yes /No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	100 kg/day (As Provided letter by the Concerned Unit) 63 kg Per day (Estimated peak generation)*	No	No	Yes		M/s HRA EWASTE PVT. LTD.
(ii)	Construction & Demolition Waste	No records made available					
(iii)	Domestic Hazardous Waste	No records made available					
(iv)	Hazardous Waste (Used /Waste Oil )	No records made available					
(v)	E-Waste	2 Kg				M/s HRA E-waste	
(vi)	Lead Acid Battery Waste	No records made available					
(vi)	Garden Waste	4.5 Kg.					
(vii)	Recyclable Waste	No records made available					

\* Based on data furnished by the unit.

\*\* Based on full occupancy and floating population figure (per capita MSW generated, adopted from Solid Waste Management Manual, 2000).

**8. Rain Water Harvesting System (RWHS)****No of RWHS Pits- 01 (Not Functional)****Observations/Comments of the inspection on 09.02.2017**

- As informed by the unit, the unit was established in year 2011, Plot Area of the motel is 11719 sqm and Built up Area is 2890.69 M<sup>2</sup>. EC obtained for redevelopment of Trillion Motel vide letter dated 30.11.2015 from SEIAA. As informed, proposed built-up area will be 35913.909 m<sup>2</sup> for redevelopment of Trillion Motel. Construction and Demolition work is proposed in Mar-2017.
- Motel is having valid Consent to Operate under Air and Water Act which is valid till 04.10.2017.
- Water is procured from 1 Bore well. Permission from DJB/CGWA for the same could not be provided.

4. STP of capacity 28 KLD has been installed. STP is biological type and was found operational. As per calculations of DJB, STP design capacity is less than the waste water generation during peak (No information is available in the CPHEEO Manual regarding water requirement by Banquet Halls however DJB has considered Banquet Halls at par with Restaurant).
5. No Flow meters were found installed at inlet and outlet of STP. No Separate energy meter for STP found installed.
6. Logbook of STP was not found maintained.
7. The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is reused for gardening purposes etc.
8. It was informed that the quantum of sludge generated is approx. 2 kg/day and same is used for horticulture purposes. However no wet/dry sludge was observed during inspection.
9. One sample of effluent was taken at the inlet of STP and outlet of STP by DPCC Lab. Though Results of the sample taken depicts that the motel is meeting the effluent standards but the operation and maintenance of STP was not satisfactory.
10. Unit has provided channelization system for kitchen emissions however stack is below terrace. DG sets are having acoustic enclosure and adequate stack height.
11. Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
12. Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
13. All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
14. Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc & operation of STP is need to be standardized, so that the uniformity can be maintained.

**Inspection Report of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area**

[W.R.T Orders of Hon'ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI & Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt of NCT & Ors]

**Date of Inspection: 09.02.2017**

**1. General Information**

- (a) **Name and Address of the Establishment:** M/s UNIQUE INNOVATIONS PVT. LTD.  
(Bulk Waste Generator) (The Lutyens) 220 Min 221, 220/1, 223/2 225 Mehrauli Gurgaon Road Delhi.
- (b) **Owner /Partner / Managing Director's Name and Telephone No. :** Mr. Lalit Kumar, 9599595328
- (c) **Month & Year of Establishment :** July 2007
- (d) **Name and Designation of the Person(s) Contacted at the site :** Sudhir Kumar 8527067867
- (e) **Size of Premises (in Square Meter) :** (i) Plot Area- 14851.96 sq.m (ii) Built up Area-1733.36 Sq.m

**2. Type of Establishment**

- (Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.) : Motel  
No. of Room = 08, Banquet (01) + Lawn (01) =500 Person  
Restaurant (01) = 70 Person

**3. Status of Licenses**

- (a) Environmental Clearance : **Not Applicable**
- (b) Consent under the Air & Water Acts : **Yes** [Valid upto- **02.03.2019**]
- (c) Municipal Corporation License : **Yes** [Valid upto- **31.03.2017**]
- (d) Certificate from Fire Department : **Not Provided**

**4. Water and Waste Water**

- (a) **Source of Water Supply** (i) Bore well [ 01 No(s)..., Permission from DJB/CGWA. - **No**]
- (b) **Water Consumption / Requirement and Waste Water Generation**

S.No.	Purpose /Use	*Average Water Consumption/ Requirement (in Liters /day)	**Peak Water Consumption/Requirement at full capacity (in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	1000	Rooms= 8x2x180= 2880 Restaurant= 70x70= 4900 Banquet= 500x70= 35000	80% of 42780
(ii)	Air Conditioning /Cooling Plant or Boiler Feed	200		
(iii)	Kitchen	600		
(iv)	Laundry	--		
(v)	Swimming Pool	--		
(vi)	Horticulture / Gardening	500		
(vii)	Others			
	<b>Total Quantity</b>	2300	42780	34224

\* As per information furnished by the unit.

\*\* Estimated as per standards of CPHEEO Manual, 1999.

### 5. Waste Water Management

#### (a) Waste Water Treatment System

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational / Not Operational)
Sewage Treatment Plant (STP)	From Motels	30	Biological Process	O/G trap, Eq.tank, Aeration tank, Settling tank etc	Operational

- (b) Mode of Disposal of Treated Waste Water : Gardening etc
- (c) Whether All Sections connected to ETP/STP : Yes
- (d) Whether Adequacy Report of STP submitted : Yes
- (e) Whether Effluent sample taken by DPCC laboratory : Yes
- (f) Whether Effluent analysis report from DPCC lab : Yes  
is Meeting the Prescribed Standard:
- (g) Whether Flow Meter Installed at Inlet and Outlet of STP : **No**
- (h) Whether Separate Energy Meter provided for STP : **No**
- (i) Whether Log Book of ETP / STP is being maintained : **No**
- (j) ETP / STP Sludge generation : No record provided  
Mode of Disposal : Used as Compost in Horticulture  
sludge record not maintained
- (j) Reuse of Treated Waste Water: (i) **Gardening / Horticulture** No record provided

### 6. Air Pollution Aspects

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	Kitchen	02	LPG	Hood and suction arrangement provided to channelize the kitchen emissions but with inadequate height.
2.	Boiler (Hot water generator)	02	HSD	Only 3 m stack height above the ground level provided with both hot water Generator. Adequate stack Height not Provided For discharge of Emissions.
3.	Diesel Generator(s)	02 500 KVA 250KVA	HSD	Acoustic Enclosure and adequate stack height
4.	Others			

**7. Waste Management**

S. No.	Type of Waste	Quantity of Waste *Generated/**Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers are provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes /No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	40 kg/day(As Provided letter by the Concerned Unit) 65 kg Per day (Estimated peak generation)*	No	No	No		<b>Not Provided</b>
(ii)	Construction & Demolition Waste	No records made Available	No	No	No		
(iii)	Domestic Hazardous Waste	No records made Available					
(iv)	Hazardous Waste (Used /Waste Oil )	No records made Available					
(v)	E-Waste	No records made Available					
(vi)	Lead Acid Battery Waste	No records made Available					
(vi)	Garden Waste	5 kg	No	No	No	<b>Not Provided</b>	
(vii)	Recyclable Waste	No records made available					

\* Based on data furnished by the unit.

\*\* Based on full occupancy and floating population figure (per capita MSW generated, adopted from Solid Waste Management Manual, 2000).

**8. Rain Water Harvesting System (RWHS)**

**No of RWHS Pits- 03 (Not Shown)**

**Observations/Comments of the inspection on 09.02.2017**

1. As informed by the unit, the unit was established in year 2007, Plot Area of the motel is 14851.96 m<sup>2</sup> and Built up Area is 1733 sq m<sup>2</sup>. No Environmental Clearance was available with the unit.
2. Motel is having valid Consent to Operate under Air and Water Act which is valid till 02.03.2019.
3. Water is procured from a borewell for which CGWA/DJB approval was not shown.
4. STP of capacity 30 KLD has been installed. STP is biological type and was found operational. As per calculations of DJB, STP design capacity is less than the waste water generation during peak (No information is available in the CPHEEO Manual regarding water

requirement by Banquet Halls however DJB has considered Banquet Halls at par with Restaurant).

5. No Flow meters were found installed at inlet and outlet of STP. No Separate energy meter for STP found installed.
6. Logbook of STP was not found maintained.
7. The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is reused for gardening purposes etc.
8. No information could be provided for quantum of sludge but it was informed that sludge is used for horticulture purposes.
9. One sample of effluent was taken at the inlet of STP and outlet of STP by DPCC lab. Results of the sample taken depicts that the motel is meeting the effluent standards.
10. Unit has provided channelization system for kitchen emissions but with inadequate stack height. DG sets are having acoustic enclosure and adequate stack height. Only 3 m stack height above the ground level provided with both hot water generators. Adequate stack height not provided for discharge of Emission.
11. Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
12. Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
13. All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
14. Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc & operation of STP is need to be standardized, so that the uniformity can be maintained.

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**Date of Inspection: 09.02.2017**

**1. General Information**

- (a) **Name and Address of the Establishment:** M/s PENGUIN FARM PVT. LTD.  
(Bulk Waste Generator) (Formerly Fortune Park / D J Avenue)  
Kh. No.423, 424/Min, 421/Min, 422, 417/1/Min,  
Village Ghitorni, MG Road, Delhi -
- (b) **Owner /Partner / Managing Director's Name and Telephone No.** : Mr. Praveen Aggarwal (Director)  
0114099617
- (c) **Month & Year of Establishment** : 05.08.2011
- (d) **Name and Designation of the Person(s) Contacted at the site** : Mr. Praveen Aggarwal  
8527295755
- (e) **Size of Premises (in Square Meter)** : (i) Plot Area- 10661 M<sup>2</sup> (ii) Built up Area- 1371 M<sup>2</sup>

**2. Type of Establishment**

- : Motel
- (Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.)) : Room – 21 Nos., Lawn – 01 Nos. (400 Persons)  
Restaurant – 01 (46 Persons), Banquet Hall – 01 (60 Persons)

**3. Status of Licenses**

- (a) Environmental Clearance : Not Applicable
- (b) Consent under the Air & Water Acts : **Yes** [Valid upto **21.05.2019**]
- (c) Municipal Corporation License : **Yes** [Valid upto- **31.03.2017**]
- (d) Certificate from Fire Department : **Yes** [Valid upto- **09.02.2017**]

**4. Water and Waste Water**

- (a) **Source of Water Supply** : (i) Tankers [No of Tankers /day- **01 Document not provided**]
- (b) **Water Consumption / Requirement and Waste Water Generation**

S.No.	Purpose /Use	*Average Water Consumption/ Requirement (in Liters /day)	**Peak Water Consumption/Requirement at full capacity (in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	75000	Rooms= 21x2x180= 7560 Restaurant= 46x70= 3220 Banquet & Lawn= 460x70= 32200	80% of 42980
(ii)	Air Conditioning /Cooling Plant or Boiler Feed	N.A.		
(iii)	Kitchen	3000		
(iv)	Laundry	N.A.		
(v)	Swimming Pool	N.A.		
(vi)	Horticulture / Gardening	10500		
(vii)	Others	500		
<b>Total Quantity</b>		21500	42980	34384

\* As per information furnished by the unit.

\*\* Estimated as per standards of CPHEEO Manual, 1999.

### 5. Waste Water Management

#### (a) Waste Water Treatment System

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational/ Not Operational)
Effluent Treatment Plant (ETP)					
Sewage Treatment Plant (STP)	From Motel	50	Biological Process	O/G trap, Eq. tank, Aeration tank, Settling tank etc	<b>Operational</b>

- (b) Mode of Disposal of Treated Waste Water : Gardening, Horticulture, etc
- (c) Whether All Sections connected to ETP/STP : Yes
- (d) Whether Adequacy Report of STP submitted : Yes
- (e) Whether Effluent sample taken by DPCC laboratory : Yes
- (f) Whether Effluent analysis report from DPCC lab : Yes
- is Meeting the Prescribed Standard:
- (g) Whether Flow Meter Installed at Inlet and Outlet of STP : Yes (Only at outlet of STP)
- (h) Whether Separate Energy Meter provided for STP : No
- (i) Whether Log Book of ETP / STP is being maintained : No
- (j) ETP / STP Sludge generation : 4 to 5 kg per day as informed
- Mode of Disposal : Used as Compost in Horticulture
- sludge record not maintained
- (j) Reuse of Treated Waste Water: (i) **Gardening / Horticulture** No record provided

### 6. Air Pollution Aspects

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	<b>Kitchen</b>	<b>01</b>	<b>LPG</b>	Channelization system consisting of hood ,ducting with Adequate stack ht.
2.	<b>Boiler</b>	-	-	
3.	<b>Diesel Generator(s)</b>	<b>02x320 KVA</b>	<b>HSD</b>	DG sets are kept in Acoustically treated Canopy and having Adequate stack height
4.	<b>Others</b>			

**7. Waste Management**

S. No.	Type of Waste	Quantity of Waste *Generated/**Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers are provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes/No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes/No ) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	15 Kg/day(As Informed verbally During inspection) 71.60 kg Per day (Estimated peak generation)*	No	No	No		Sanjay Garbage Cleaning Service
(ii)	Construction & Demolition Waste	No records made available					
(iii)	Domestic Hazardous Waste	No records made available					
(iv)	Hazardous Waste (Used /Waste Oil )	No records made available					
(v)	E-Waste	No records made available					
(vi)	Lead Acid Battery Waste	No records made available					
(vi)	Garden Waste	3 Kg/day	No	No	No	Partial Compo	
(vii)	Recyclable Waste	No records made available					

\* Based on data furnished by the unit.

\*\* Based on full occupancy and floating population figure (per capita MSW generated, adopted from Solid Waste Management Manual, 2000).

**8. Rain Water Harvesting System (RWHS)**

**: No of RWHS Pits- 5 Nos.**

**Observations/Comments of the inspection on 09.02.2017**

- As informed by the unit, the unit was established in year August 2011, Plot Area of the motel is 10661 m<sup>2</sup> and Built up Area is 1371 sq m<sup>2</sup>. No Environmental Clearance was available with the unit.
- Motel is having valid Consent to Operate under Air and Water Act which is valid till 21.05.2019.
- Water is procured through tankers without details of sourcing.
- STP of capacity 50 KLD has been installed. STP is based on biological treatment and was found operational. As per calculations of DJB, STP design capacity is more than the waste water generation during peak.
- No Flow meters installed at inlet of STP. No Separate energy meter for STP found installed.
- No Logbook of STP was found maintained.

7. The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is reused for gardening purposes.
8. It was informed that the quantum of sludge generated is approx. 4-5 kg/day and same is used for horticulture purposes.
9. One sample of effluent was taken at the inlet of STP and outlet of STP by DPCC lab. The results of the sample taken depicts that the motel is meeting the effluent standards.
10. Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height.
11. Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
12. Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
13. All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
14. Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc & operation of STP is need to be standardized, so that the uniformity can be maintained.

**Inspection Report of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area**

[W.R.T Orders of Hon'ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI&Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt of NCT &Ors]

**Date of Inspection: 09.02.2017**

**1. General Information**

- (a) **Name and Address of the Establishment:** Vista Hospitality Pvt. Ltd.  
(Bulk Waste Generator) 162, M.G. Road Sultanpur, Delhi – 30
- (b) **Owner /Partner / Managing Director's Name and Telephone No.** Mr. Gurpartap Singh (CMD)
- (c) **Month & Year of Establishment** July - 2008
- (d) **Name and Designation of the Person(s) Contacted at the site** Mr. Joy, 9811449349  
Mr. Manish, 9718345467
- (e) **Size of Premises (in Square Meter)** (i) Plot Area- 3.25 Acre (ii) Built up Area.....

**2. Type of Establishment**

- (Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.) Motel  
Rooms – 16, Banquets – 02 (300 Persons)  
Lawn – 01 (400 Persons), Restaurant – 02 (72 Persons)

**3. Status of Licenses**

- (a) Environmental Clearance **Not Applicable**
- (b) Consent under the Air & Water Acts **Yes [Valid upto- 03.09.2019]**
- (c) Municipal Corporation License **Yes [Valid upto- 31.03.2017]**
- (d) Certificate from Fire Department **Yes [Valid upto- 10.02.2018]**

**4. Water and Waste Water**

- (a) **Source of Water Supply** : (i) Bore well [No(s) 01, Permission from DJB/CGWA.. No]
- (b) **Water Consumption / Requirement and Waste Water Generation**

S.No.	Purpose /Use	*Average Water Consumption/ Requirement (in Liters /day)	**Peak Water Consumption/Requirement at full capacity (in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	3800 ltr/day	Rooms= 16x2x180= 5760	
(ii)	Air Conditioning /Cooling Plant or Boiler Feed	1000.00	Restaurant= 72x70= 5040	80% of 59800
(iii)	Kitchen	4000.00	(300+400)x70= 49000	
(iv)	Laundry			
(v)	Swimming Pool			
(vi)	Horticulture / Gardening	2800.00		
(vii)	Others			
	<b>Total Quantity</b>	11600.00	59800	47840

\* As per information furnished by the unit.

\*\* Estimated as per standards of CPHEEO Manual, 1999.

### 5. Waste Water Management

#### (a) Waste Water Treatment System

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational/ Not Operational)
Effluent Treatment Plant (ETP)	--	---	---	---	---
Sewage Treatment Plant (STP)	From Motels	25	Biological Process	O/G trap, Eq. tank, Aeration tank, Settling tank etc	Operational

- (b) Mode of Disposal of Treated Waste Water : Gardening etc
- (c) Whether All Sections connected to ETP/STP : Yes
- (d) Whether Adequacy Report of STP submitted : Yes
- (e) Whether Effluent sample taken by DPCC laboratory : Yes
- (f) Whether Effluent analysis report from DPCC lab : Yes  
is Meeting the Prescribed Standard:
- (g) Whether Flow Meter Installed at Inlet and Outlet of STP : No
- (h) Whether Separate Energy Meter provided for STP : No
- (i) Whether Log Book of ETP / STP is being maintained : No
- (j) ETP / STP Sludge generation : 1.5 Kg/day. No record provided  
Mode of Disposal : **Used as Compost in Horticulture**
- (j) Reuse of Treated Waste Water:
  - (i) **Gardening / Horticulture** No record provided
  - (ii) Cooling Tower ..... Liters /day
  - (iii) Boiler ..... Liters /day
  - (iv) Flushing (Toilets) ..... Liters /day
  - (v) Any other ..... Liters /day
  - Total Quantity** ..... Liters /day

### 6. Air Pollution Aspects

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	<b>Kitchen</b>	<b>01</b>	<b>LPG</b>	Hood and suction arrangement provided to channelize the kitchen emissions over terrace
2.	<b>Boiler</b>	<b>01</b>	<b>HSD</b>	Adequate Stack ht.
3.	<b>Diesel Generator(s)</b>	<b>01</b> <b>1x320 KVA</b>	<b>HSD</b>	Acoustic Enclosure and adequate stack height
4.	<b>Others</b>			

## 7. Waste Management

S. No.	Type of Waste	Quantity of Waste *Generated/**Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes /No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	20 kg/day (As Provided letter by the Concerned Unit) 93.20 kg Per day (Estimated peak generation)*	No	No	No		Not Provided
(ii)	Construction & Demolition Waste	No records made available					
(iii)	Domestic Hazardous Waste	No records made available					
(iv)	Hazardous Waste (Used /Waste Oil )	No records made available					
(v)	E-Waste	No records made available					
(vi)	Lead Acid Battery Waste	No records made available					
(vi)	Garden Waste	5 kg	No	No	No	Not Provided	
(vii)	Recyclable Waste	No records made available					

\* Based on data furnished by the unit.

\*\* Based on full occupancy and floating population figure (per capita MSW generated, adopted from Solid Waste Management Manual, 2000).

## 8. Rain Water Harvesting System (RWHS) : No of RWHS Pits- 02 Nos (Not Functional)

### Observations/Comments of the inspection on 09.02.2017

- As informed by the unit, the unit was established in year 2008, Plot Area of the motel is 3.25 Acre. No Environmental Clearance was available with the unit.
- Motel is having valid Consent to Operate under Air and Water Act which is valid till 03.09.2019.
- Water is procured from 1 Bore well. Permission from DJB/ CGWA for the same could not be provided.
- STP of capacity 25 KLD has been installed. STP is biological type and was found operational. As per calculations of DJB, STP design capacity is less than the waste water generation during peak (No information is available in the CPHEEO Manual regarding water requirement by Banquet Halls however DJB has considered Banquet Halls at par with Restaurant).

5. No Flow meters were found installed at inlet and outlet of STP. No Separate energy meter for STP found installed.
6. Logbook of STP was not found maintained.
7. The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is reused for gardening purposes etc.
8. It was informed that the quantum of sludge generated is approx. 1.5kg/day and same is used for horticulture purposes.
9. One sample of effluent was taken at the inlet of STP and outlet of STP by DPCC Lab. Though Results of the sample taken depicts that the motel is meeting the effluent standards but the operation and maintenance of STP was not satisfactory.
10. Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height.

**Issues:-**

- Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc & operation of STP is need to be standardized, so that the uniformity can be maintained.
- Water is procured from 1 Ground Bore well. Permission from DJB/ CGWA for the same could not be provided.
- STP of capacity 25 KLD has been installed. STP is biological type and was found operational. As per calculations of DJB, STP design capacity is less than the waste water generation during peak (No information is available in the CPHEEO Manual regarding water requirement by Banquet Halls however DJB has considered Banquet Halls at par with Restaurant).
- No Flow meters were found installed at inlet and outlet of STP. No Separate energy meter for STP found installed.
- Logbook of STP was not found maintained.
- The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is reused for gardening purposes etc.
- One sample of effluent was taken at the inlet of STP and outlet of STP by DPCC Lab. Though Results of the sample taken depicts that the motel is meeting the effluent standards but the operation and maintenance of STP was not satisfactory.

## Inspection Report of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area

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**Date of Inspection: 09.02.2017**

### 1. General Information

- (a) **Name and Address of the Establishment:** M/s Zorba Entertainment Pvt. Ltd.  
(Bulk Waste Generator) 166, M.G. Road, Sultanpur, New Delhi
- (b) Owner /Partner / Managing Director's Name and Telephone No. : Mr. Ranjan Chopra, 9810008000  
Mr. Deepak Rai
- (c) Month & Year of Establishment : Feb 2011
- (d) Name and Designation of the Person(s) Contacted at the site : Mr. Ranjan Chopra (MD)  
Mr. Sachin, Mr. Hari Prakash - 9999329364
- (e) Size of Premises (in Square Meter) : (i) Plot Area-**12141 M<sup>2</sup>** (ii) Built up Area- **473 Sqmtr.**

### 2. Type of Establishment

- (Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.) : Party Lawn/Event Management  
Maximum Gathering- 225 (Persons)

### 3. Status of Licenses

- (a) Environmental Clearance : Not Applicable
- (b) Consent under the Air & Water Acts : Not Applied for Consent
- (c) Municipal Corporation License : **Yes** [Valid upto- 19.12.2017 for holding social Function]
- (d) Certificate from Fire Department : **Yes** [Valid upto- **08.04.2018**]

### 4. Water and Waste Water

- (a) **Source of Water Supply** (i) Through Tankers - One in ten days (No documentary proof attached)
- (b) **Water Consumption / Requirement and Waste Water Generation**

S.No.	Purpose /Use	*Average Water Consumption/ Requirement (in Liters /day)	**Peak Water Consumption/Requirement at full capacity (in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	N. A.		
(ii)	Air Conditioning /Cooling Plant or Boiler Feed	N. A.	225x70= 15,750	80 % of 15,750= 12400
(iii)	Kitchen	300 ltr		
(iv)	Laundry	N. A.		
(v)	Swimming Pool	N. A.		
(vi)	Horticulture / Gardening	200 ltr		
(vii)	Others	N. A.		
	<b>Total Quantity</b>	500	15,750	12400

\*As per information furnished by the unit

\*\*Estimated as per Standards of CPHEEO, 1999 manual

## 5. Waste Water Management

### (a) Waste Water Treatment System

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational/ Not Operational)	Remarks (If any)
Effluent Treatment Plant (ETP)	No ETP / STP installed					
Sewage Treatment Plant (STP)	No ETP / STP installed					

- (b) Mode of Disposal of Untreated Effluent Waste Water : Stored in a underground sump and is disposed through tanker to unknown place)
- (c) Whether All Sections connected to ETP/STP : No ETP / STP installed
- (d) Whether Adequacy Report of STP submitted : No ETP / STP installed
- (e) Whether Effluent sample taken by DPCC laboratory : No
- (f) Whether Effluent analysis report from DPCC lab is Meeting the Prescribed Standard: : N. A. Since no sample was taken during inspection.
- (g) Whether Flow Meter Installed at Inlet and Outlet of STP : N. A., Since no ETP / STP installed
- (h) Whether Separate Energy Meter provided for STP : N. A., Since no ETP / STP installed
- (i) Whether Log Book of ETP / STP is being maintained : N. A., Since no ETP / STP installed.
- (j) ETP / STP Sludge generation : N. A., Since no ETP / STP installed
- (k) Mode of Disposal : Stored in a underground sump and is disposed through tanker to Unknown place)

## 6. Air Pollution Aspects

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	Kitchen	1	LPG	No proper Hood and Suction arrangement provided to Channelize the kitchen emissions and prescribed stack height.
2.	Boiler	-		--
3.	Diesel Generator(s)	1x20 KVA 1x50 KVA 1x 125 KVA	HSD	DG sets (50 KVA & 125 KVA) with acoustic enclosure however D.G. set of 50 KVA with inadequate stack height. D.G. set (20 KVA) is without acoustic enclosure as well as adequate stack height.
4.	Others			

## 7. Waste Management

S. No.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers are provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes /No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the Vendor)
(i)	<b>Municipal Solid Waste</b>	(22.5 kg Per day (Estimated peak generation)**	No	No	No		They have hired a person who dump the waste in to MCD Dhalao
(ii)	<b>Construction &amp; Demolition Waste</b>	No records made available					
(iii)	<b>Domestic Hazardous Waste</b>	No records made available					
(iv)	<b>Hazardous Waste (Used /Waste Oil )</b>	No records made available					
(v)	<b>E-Waste</b>	No records made available					
(vi)	<b>Lead Acid Battery Waste</b>	No records made Available					
(vi)	<b>Garden Waste</b>	<b>3 kg/day</b>	<b>No</b>	<b>No</b>	<b>No</b>	<b>Not provided</b>	
(vii)	<b>Recyclable Waste</b>	No records made available					

\*Based on the data furnished by the unit.

\*\*Based on the full occupancy + floating population figure adopted from MSW Manual 2000.

## 8. Rain Water Harvesting System (RWHS)

: Nil

### Observations/ Issues of the inspection on 09.02.2017

1. As informed by the unit, the unit was established in year 2011, Plot Area of the establishment is 12141 sq.mtr and Built up Area 473 sq.mtr. Environment Clearance is not available with the establishment.
2. The establishment is operating without Consent to Establish as well as Consent to Operate under Air and Water Act.
3. Water is procured through Private tankers and record / bills could not be provided.
4. The establishment is not having any ETP/ STP to treat the waste water generated from the premises. The waste water generated from the premises is stored in underground sump. The quantity of average requirement of water is reported very minimum however

as per calculations of DJB is estimated requirement of water quantity 15,750 Ltr during peak (No information is available in the CPHEEO Manual regarding water requirement by party lawn however DJB has considered party lawn as per the Restaurants).

5. As informed untreated waste water generated from the premises is disposed through tankers to unknown place. No record made available.
6. The establishment has not provided proper hood and suction arrangement to channelize the kitchen emissions and prescribed stack height.
7. The establishment having Three DG sets, of 1x 20 KVA, 1x 50 KVA & 1x 125 KVA. Out of which two DG sets of 50 KVA & 125 KVA having acoustic enclosure however 50 KVA DG set with inadequate stack height and 20 KVA DG set is not provided acoustic enclosure as well as adequate stack height.
8. Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
9. Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc is need to be standardized, so that the uniformity can be maintained.

**Format of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area**

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**Date of Inspection: 13.02.2017**

**1. General Information**

- (a) **Name and Address of the Establishment:** Ocean Pearl Motels Pvt. Ltd.  
(Bulk Waste Generator) Kh. No. 83,84,85,90,90/1-2,100/1-2,101 &102  
Village Satbari New Delhi
- (b) **Owner /Partner / Managing Director's** : Mr. Roshan Banan  
Name and Telephone No.
- (c) **Month & Year of Establishment** : March-2013
- (d) **Name and Designation of the Person(s)** : Mr. Ramesh Parida (Chief Engineer)  
Contacted at the site Mr. Ajay Malhotra, 9810695695
- (e) **Size of Premises (in Square Meter)** : (i) Plot Area-29000 Sqmt (ii) Built up Area- 4000 Sqmt

**2. Type of Establishment**

: Motel

(Bulk Waste Generator) (Main Activities / No of Rooms- 49, Banquet Hall – 05 + Lawn – 02 (1500 Person)  
Units / Facilities (No of Rooms / Beds etc.) Restaurant – 01 (70 Person)

**3. Status of Licenses**

- (a) Environmental Clearance : Not Applicable
- (b) Consent under the Air & Water Acts : Yes [Valid upto **07.07.2020**]
- (c) Municipal Corporation License : **Yes** [Valid upto- **31.03.2017**]
- (d) Certificate from Fire Department : **Yes** [Valid upto- **15.01.2017**]/

**4. Water and Waste Water**

(a) **Source of Water Supply** : (i) Borewell -01 No permission from CGWA/DJB

**(b) Water Consumption / Requirement and Waste Water Generation**

S.No.	Purpose /Use	Average Water Consumption/ Requirement *(in Liters /day)	Peak Water Consumption/Requirement at full capacity ***(in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	1000	Rooms= 49x2x180= 17640	
(ii)	Air Conditioning /Cooling Plant or Boiler Feed	N.A.	Restaurant= 70x70= 4900	
(iii)	Kitchen	10000	Banquet= 1500x70= 105700	80% of 127540
(iv)	Laundry	N.A.		
(v)	Swimming Pool	N.A.		
(vi)	Horticulture / Gardening	10000		
(vii)	Others			
	<b>Total Quantity</b>		127540	102032

\*- Based on data furnished by Unit

\*\* - Estimated as per Standards of CPHEEO, 1999 manual

**5. Waste Water Management**

**(a) Waste Water Treatment System**

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational/ Not Operational)
Effluent Treatment Plant (ETP)	--	---	---	---	---
Sewage Treatment Plant (STP)	Motel	35	Biological	O/G trap, Eq. tank, Aeration tank, Settling tank etc	<b>Operational</b>

- (b) Mode of Disposal of Treated/untreated Waste Water : Gardening etc
- (c) Whether All Sections connected to ETP/STP : Yes
- (d) Whether Adequacy Report of ETP/STP submitted : Yes
- (e) Whether Effluent sample collected during inspection : Yes
- (f) Whether ETP/STP is meeting the prescribed standards : No
- (g) Whether Flow Meter Installed at Inlet and Outlet of ETP/STP : No
- (h) Whether Separate Energy Meter provided for ETP/STP : No
- (i) Whether Log Book of ETP / STP is being maintained : Yes
- (j) ETP / STP Sludge generation : Quantity 5 Kg /day  
 Mode of Disposal : (i) Used as Compost in Horticulture
- (k) Reuse of Treated Waste Water :
  - (i) Gardening / Horticulture 10000 Liters /day
  - (ii) Air Conditioning Plant / Cooling Tower Nil Liters /day
  - (iii) Boiler 5000 Liters /day
  - (iv) Flushing (Toilets) 1000 Liters /day
  - (v) Any other 1000 Liters /day

**Total Quantity: 17000 Liters /day**

**6. Air Pollution Aspects**

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	<b>Kitchen</b>	<b>02</b>	<b>LPG</b>	Hood and suction arrangement provided to channelize the kitchen emissions over terrace
2.	<b>Boiler</b>	<b>02</b>	<b>HSD</b>	Adequate stack height
3.	<b>Diesel Generator(s)</b>	<b>02-500 &amp; 750 KVA</b>	<b>HSD</b>	Acoustic Enclosure and adequate stack height
4.	<b>Others</b>			

## 7. Waste Management

S. No.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided –Yes /No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	230kg/day (As Informed verbally During inspection) 206 kg Per day (Estimated peak generation)*	No	No	No	---	Choudhary Cont. (Agreement not provided)
(ii)	Construction & Demolition Waste	No records made available					
(iii)	Domestic Hazardous Waste	No records made available					
(iv)	Hazardous Waste (Used /Waste Oil )	No records made available					
(v)	E-Waste	No records made available					
(vi)	Lead Acid Battery Waste	No records made available					
(vi)	Garden Waste	10kg/day	No	No	No	Not Provided	
(vii)	Recyclable Waste	No records made available					

\* Based on data furnished

\*\* Based on full occupancy + floating population figure adopted from SWM Manual 2000

## 8. Rain Water Harvesting System (RWHS)

: No of RWHS Pits- 2 (Not functional)

### Observations/Comments of the inspection on 13.02.2017

M/s Ocean Pearl Motels Pvt. Ltd. is operating their Motel at Vill. Satbari Chattarpur New Delhi. The Motel was inspected by Sub Committee-II on 13.02.2017. It was informed that Motel is having 49 rooms, 5 Banquets, 1 Restaurant hall and 2 Party lawns. Following are the observations of the team after discussion with officials of the Motel who were present during inspection:

1. As informed by the unit, the unit was established in year 2016, Plot Area of the motel is 29000 m<sup>2</sup> and Built up Area is 4000sq m. No Environmental Clearance was available with the unit.
2. Motel is having valid Consent to Operate under Air and Water Act which is valid till 07.07.2020.
3. Water is procured from 1 Bore well for which approval of CGWA/DJB is not available.
4. STP of capacity 35 KLD has been installed. STP is biological type and was found operational. As per calculations of DJB, STP design capacity is less than the waste water generation during peak (No information is available in the CPHEEO Manual regarding

water requirement by Banquet Halls however DJB has considered Banquet Halls at par with Restaurant).

5. No Flow meters were found installed at inlet and outlet of STP. No Separate energy meter for STP found installed.
6. Logbook of STP was found maintained.
7. The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is reused in gardening purposes, flushing etc.
8. It was informed that the quantum of sludge generated is approx. 5kg/day and same is used for horticulture purposes.
9. One sample of effluent was taken at the inlet of STP and outlet of STP by DPCC lab. Results of the sample taken depicts that the motel is not meeting the effluent standards.
10. Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height.
11. Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
12. Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
13. All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
14. Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc & operation of STP is need to be standardized, so that the uniformity can be maintained.

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**Date of Inspection: 13.02.2017**

### 1. General Information

- (a) **Name and Address of the Establishment:** Mapple Exotica ( A Unit of Nine Dimension Hotels and Resorts Pvt. Ltd.) Kh. No. 5, 6, 7, 8, 9, 10, 11, and 14, Village Shahoorpur Chattarpur, New Delhi  
(Bulk Waste Generator)
- (b) Name and Telephone No. Sh. Balram Thakur, 9313113157
- (c) Month & Year of Establishment :
- (d) Name and Designation of the Person(s) : Sh. Rohit Sapra  
Contacted at the site
- (e) Size of Premises (in Square Meter) : (i) Plot Area- 25000 sqm (Appx.)

### 2. Type of Establishment

- (Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.) : Motel  
No. of Room – 43, Restaurant – 01 (90 Persons)  
Banquet – 01 + Lawn – 01 (600 Persons)

### 3. Status of Licenses

- (a) Environmental Clearance : Not Applicable
- (b) Consent under the Air & Water Acts : **Yes** [Valid upto- **01.06.2019**]
- (c) Municipal Corporation License : Yes [Valid upto- 31.03.2013]
- (d) Certificate from Fire Department : Yes  
regarding Fire Safety

### 4. Water and Waste Water

- (a) **Source of Water Supply** (i) Tankers [Krishna Water Works]-No record submitted

#### (b) Water Consumption / Requirement and Waste Water Generation

S.No.	Purpose /Use	Average Water Consumption/ Requirement *(in Liters /day)	Peak Water Consumption/Requirement at full capacity **(in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	8000-10000	Rooms=43x2x180=	
(ii)	Air Conditioning /Cooling Plant or Boiler Feed		15480	
(iii)	Kitchen		Restaurant= 90x70=	80% of 63780
(iv)	Laundry		Banquet= 600x70=	
(v)	Swimming Pool		42000	
(vi)	Horticulture / Gardening			
(vii)	Others			
	<b>Total Quantity</b>		63780	51024

\*- Based on data furnished by Unit

\*\* - Estimated as per Standards of CPHEEO, 1999 manual

### 5. Waste Water Management

#### (a) Waste Water Treatment System

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational/ Not Operational)
Effluent Treatment Plant (ETP)	--	---	--	---	---
Sewage Treatment Plant (STP)		180 KLD	FAB	Collection Tank, O&G trap, Tube Settler etc	<b>Operational</b>

- (b) Mode of Disposal of Treated/untreated Waste Water : **Gardening etc**
- (c) Whether All Sections connected to ETP/STP : **Yes**
- (d) Whether Adequacy Report of ETP/STP submitted : **Yes**
- (e) Whether Effluent sample collected during inspection : **Yes**
- (f) Whether ETP/STP is meeting the prescribed standards : **No**
- (g) Whether Flow Meter Installed at Inlet and Outlet of ETP/STP : **No**
- (h) Whether Separate Energy Meter provided for ETP/STP : **No**
- (i) Whether Log Book of ETP / STP is being maintained : **No**
- (j) ETP / STP Sludge generation : Quantity **Not Known** ..... Kg /day  
 Mode of Disposal : **(i) Used as Compost in Horticulture**
- (k) Reuse of Treated Waste Water : **(i) Gardening**

### 6. Air Pollution Aspects

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	<b>Kitchen</b>	<b>01</b>	<b>Gas</b>	Hood and suction arrangement provided to channelize the kitchen emissions over terrace
2.	<b>Boiler</b>	<b>01</b>	<b>H.S.D</b>	Adequate stack height
3.	<b>Diesel Generator(s)</b>	<b>02-650 &amp; 180 KVA</b>	<b>H.S.D</b>	Acoustic Enclosure and adequate stack height
4.	<b>Others</b>			

**7. Waste Management**

S. No.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers are provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes/No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes/No ) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	10 kg/day(As Provided letter by the Concerned Unit) 112 kg Per day (Estimated peak generation)*	No	No	No		Not Provided
(ii)	Construction & Demolition Waste	No record available					
(iii)	Domestic Hazardous Waste	No record available					
(iv)	Hazardous Waste (Used /Waste Oil)	3 ltr/day	Yes	Yes	No	Not Provided	
(v)	E-Waste	No record available					
(vi)	Lead Acid Battery Waste	No record available					
(vi)	Garden Waste	10 kg/day	No	No	No	Not Provided	
(vii)	Recyclable Waste	No record available					

\* Based on data furnished

\*\* Based on full occupancy + floating population figure adopted from SWM Manual 2000

**8. Rain Water Harvesting System (RWHS): No of RWHS Pits- 01 (Not Shown, No records Provided)**

**Observations/Comments of the inspection on 13.02.2017**

M/s Mapple Exotica is operating their Motel at Vill. Shahoorpur, Chattarpur, New Delhi. The Motel was inspected by Sub Committee-II on 13.02.2017. It was informed that Motel is having 43 rooms, 1 Banquet hall, 1 Restaurant and 1 Party lawn. Following are the observations of the team after discussion with officials of the Motel who were present during inspection:

1. As informed by the unit, the unit was established in year 2016, Plot Area of the motel is 25000 m<sup>2</sup>. No Environmental Clearance was available with the unit.
2. Motel is having valid Consent to Operate under Air and Water Act which is valid till 01.06.2019.

3. Water is procured from tankers and it was informed that the name of company providing water was Krishna Water Works. No more details about the company were provided.
4. STP of capacity 180 KLD has been installed. STP is biological type and was found operational. As per calculations of DJB, STP design capacity is more than the waste water generation during peak.
5. No Flow meters were found installed at inlet and outlet of STP. No Separate energy meter for STP found installed.
6. Logbook of STP was not found maintained.
7. The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is reused in gardening purposes etc.
8. It was informed that the quantum of sludge was not assessed however the generated sludge is used for horticulture purposes.
9. One sample of effluent was taken at the inlet of STP and outlet of STP by DPCC lab. Results of the sample taken depicts that the motel is not meeting the effluent standards. Operation and maintenance of STP was not satisfactory.
10. Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height.

**Issues:-**

- Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- STP was not operating satisfactorily and is not meeting the design standards.
- Water requirement is met through tankers however no records were produced and it is not known if the water is drawn from a authorized source or not.
- Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- The information/record with regarding to mass water balance is sketchy and considering huge waste water generation and limited requirement for gardening purposes, option of supply free of cost to the adjoining green area needs to be explored.
- All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc. & operation of STP needs to be standardized, so that the uniformity can be maintained.

**Format of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area**

[W.R.T Orders of Hon'ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI & Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt of NCT &Ors]

**Date of Inspection: 13.02.2017**

**1. General Information**

- (a) **Name and Address of the Establishment:** OPULENT (A unit of Bhupindra farms Pvt. Ltd.)  
(Bulk Waste Generator) Kh. No. – 98 Chhatarpur, New Delhi
- (b) **Owner /Partner / Managing Director's Name and Telephone No. :** DEEPAK MALHOTRA  
9810008722
- (c) **Month & Year of Establishment :** August- 2013
- (d) **Name and Designation of the Person(s) Contacted at the site :** Bhupendra
- (e) **Size of Premises (in Square Meter) :** (i) Plot Area-2.9 Acre. (ii) Built up Area- 3013.78 M<sup>2</sup>

**2. Type of Establishment**

- (Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.) :** Motel  
Rooms – 23, Restaurant- 01 (48 Persons)  
Banquet Hall- 01, Lawn- 01, (450 Persons)

**3. Status of Licenses**

- (a) **Environmental Clearance :** Not Applicable
- (b) **Consent under the Air & Water Acts :** Yes [Valid upto 23.11.2021 ]
- (c) **Municipal Corporation License :** Yes [Valid upto- 31.03.2017 / Applied for / Not Applied /
- (d) **Certificate from Fire Department :** Yes [Valid upto- 18.06.2018 /Applied for / Not Applied /

**4. Water and Waste Water**

- (a) **Source of Water Supply (i)Bore well [No(s)- 1 Permission from DJB/CGWA.. No]**
- (b) **Water Consumption / Requirement and Waste Water Generation**

S.No.	Purpose /Use	Average Water Consumption/ Requirement *(in Liters /day)	Peak Water Consumption/Requirement at full capacity **(in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	25000 ltr./day	Rooms= 23x2x180=	
(ii)	Air Conditioning /Cooling Plant or Boiler Feed	-	8280	
(iii)	Kitchen	9800 ltr/day	Restaurants= 48x70=	80% of 40340
(iv)	Laundry	nil	Banquet= 450x70=	
(v)	Swimming Pool	nil	31500	
(vi)	Horticulture / Gardening	2000 ltr		
(vii)	Others			
	<b>Total Quantity</b>	11800	40340	32272

\*- Based on data furnished by Unit

\*\* - Estimated as per Standards of CPHEEO, 1999 manual

### 5. Waste Water Management

#### (a) Waste Water Treatment System

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational / Not Operational)
Effluent Treatment Plant (ETP)	—	—	—	—	—
Sewage Treatment Plant (STP)	Yes	50	Biological system	O/G trap, Eq. tank, Aeration tank, Settling tank etc.	<b>Operational</b>

- (b) Mode of Disposal of Treated Water : Gardening etc
- (c) Whether All Sections connected to ETP/STP : Yes
- (d) Whether Adequacy Report of ETP/STP submitted : **Yes**
- (e) Whether Effluent sample collected by DPCC Lab during inspection : Yes
- (f) Whether ETP/STP is meeting the prescribed standards : Yes
- (g) Whether Flow Meter Installed at Inlet and Outlet of ETP/STP : **No**
- (h) Whether Separate Energy Meter provided for ETP/STP : **No**
- (i) Whether Log Book of ETP / STP is being maintained : **No**
- (j) ETP / STP Sludge generation : Quantity 1.0 Kg /day  
Mode of Disposal : **(i) Used as Compost in Horticulture**
- (k) Reuse of Treated Waste Water : **NO INFORMATION PROVIDED**

### 6. Air Pollution Aspects

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	<b>Kitchen</b>	<b>1</b>	<b>LPG</b>	Hood and suction arrangement provided to channelize the kitchen emissions over terrace
2.	<b>Boiler</b>	--	--	--
3.	<b>Diesel Generator(s)</b>	<b>2 (125 and 200)</b>	<b>HSD</b>	Acoustic Enclosure and adequate stack height
4.	<b>Others</b>			

## 7. Waste Management

S. No.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes/No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes/No ) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	118 Kg/day(As Provided letter by the Concerned Unit) 72.8 kg Per day (Estimate peak generation)*	No	No	Yes		Not provided
(ii)	Construction & Demolition Waste	No records made Available					
(iii)	Domestic Hazardous Waste	No records made Available					
(iv)	Hazardous Waste (Used /Waste Oil )	No records made Available					
(v)	E-Waste	No records made Available					
(vi)	Lead Acid Battery Waste	No records made Available					
(vi)	Garden Waste	5 Kg/day	No	No	No	No	Not provided
(vii)	Recyclable Waste	No records made available					

\* Based on data furnished

\*\* Based on full occupancy + floating population figure adopted from SWM Manual 2000

## 8. Rain Water Harvesting System (RWHS) : No of RWHS Pits 2 (not working)

### Observations/Comments of the inspection on 13.02.2017

M/s Opulent is operating their Motel at Chatterpur New Delhi. The Motel was inspected by Sub Committee-II on 13.02.2017. It was informed that Motel is having 23 rooms, 1 Banquet halls, 1Party lawn and 1 Restaurant. Following are the observations of the team after discussion with officials of the Motel who were present during inspection:

1. As informed by the unit, the unit was established in year 2013, Plot Area of the motel is 2.9 Acre and Built up Area is 3013.78 m<sup>2</sup>. No Environmental Clearance was available with the unit.

2. Motel is having valid Consent to Operate under Air and Water Act which is valid till 23.11.2021.
3. Water is procured from a Bore well however no CGWA/DJB approval available.
4. STP of capacity 50 KLD has been installed. STP is biological type and was found operational. As per calculations of DJB, STP design capacity is more than the waste water generation during peak.
5. No Flow meters were found installed at inlet and outlet of STP. No Separate energy meter for STP found installed.
6. Logbook of STP was not found maintained.
7. The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is reused in gardening purposes etc.
8. It was informed that the quantum of sludge generated is approx. 1kg/day and same is used for horticulture purposes.
9. One sample of effluent was taken at the inlet of STP and outlet of STP. Results of the sample taken depicts that the motel is meeting the effluent standards. The Operation and maintenance of STP is not satisfactory as evident from the observation of no flow meters at inlet/outlet and no wet sludge observed.
10. Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height.

**Issues:-**

- Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- STP was not operating satisfactorily and requires proper housekeeping.
- Water requirement is met through a borewell for which no approval of CGWA/DJB is available.
- Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- The information/record with regarding to mass water balance is sketchy and considering huge waste water generation and limited requirement for gardening purposes, option of supply free of cost to the adjoining green area needs to be explored.
- All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc. & operation of STP needs to be standardized, so that the uniformity can be maintained.

## Format of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area

[W.R.T Orders of Hon'ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI & Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt of NCT & Ors]

**Date of Inspection: 13.02.2017**

### 1. General Information

- (a) **Name and Address of the Establishment:** GOLDEN TULIP CHATTARPUR  
(Bulk Waste Generator) 242-245, FATEHPUR BERI ASOLA
- (b) Owner /Partner / Managing Director's : Mr. Mehar Chand Tanwar  
Name and Telephone No. 011-7155100
- (c) Month & Year of Establishment : 2011-2012
- (d) Name and Designation of the Person(s) : Mr. Chander Mohan (Manager)  
Contacted at the site 8447652214/9582219248
- (e) Size of Premises (in Square Meter) : (i) Plot Area 11845.55 sqm Built up Area 1745.27 SQM

### 2. Type of Establishment

- : Motel
- (Bulk Waste Generator) (Main Activities / No of rooms- 34, Banquet Hall – 03/ (562 Persons)  
Units / Facilities (No of Rooms / Beds etc.) Restaurant – 01 (64 persons), Lawn- 03 (1800 Persons)

### 3. Status of Licenses

- (a) Environmental Clearance : Not Applicable
- (b) Consent under the Air & Water Acts : Unit is operating without valid Consent to Operate
- (c) Municipal Corporation License : Yes [Valid upto **March – 2017, Document not provided**]
- (d) Certificate from Fire Department : Yes [Valid upto- **Applied for renewal/ Document not provided**]

### 4. Water and Waste Water

- (a) **Source of Water Supply** (i) Bore well [No(s)- 02, Permission from DJB/CGWA.. No]  
**No Document attached**

#### (b) Water Consumption / Requirement and Waste Water Generation

S.No.	Purpose /Use	Average Water Consumption/ Requirement *(in Liters /day)	Peak Water Consumption/Requirement at full capacity ***(in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic		Rooms= 34x2x180= 12240	
(ii)	Air Conditioning /Cooling Plant or Boiler Feed		64x70= 4480	
(iii)	Kitchen	10000	Banquet = (562+1800)x70= 165340	80% of 182060
(iv)	Laundry	N.A.		
(v)	Swimming Pool			
(vi)	Horticulture / Gardening	No		
(vii)	Others	20000		
	<b>Total Quantity</b>	30000	182060	145648

\*- Based on data furnished by Unit

\*\* - Estimated as per Standards of CPHEEO, 1999 manual

(a) Waste Water Treatment System

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational/ Not Operational)
Effluent Treatment Plant (ETP)	---	----	----	--	--
Sewage Treatment Plant (STP)	Motel Premises	40 KLD	Biological	Collection Tank, Aeration Tank, Settling Tank Etc.	<b>Operational</b>

- (b) Mode of Disposal of Treated/untreated Waste Water : Gardening etc.  
 (c) Whether All Sections connected to ETP/STP : Yes  
 (d) Whether Adequacy Report of ETP/STP submitted : No  
 (e) Whether Effluent sample collected by DPCC Lab during inspection : Yes  
 (f) Whether ETP/STP is meeting the prescribed standards : Yes  
 (g) Whether Flow Meter Installed at Inlet and Outlet of ETP/STP : No  
 (h) Whether Separate Energy Meter provided for ETP/STP : No  
 (i) Whether Log Book of ETP / STP is being maintained : No  
 (j) ETP / STP Sludge generation : No records provided  
 Mode of Disposal : (i) Used as Compost in Horticulture  
 (k) Reuse of Treated Waste Water : No information provided  
     (i) Gardening / Horticulture  
     (ii) Air Conditioning Plant / Cooling Tower ..... Liters /day  
     (iii) Boiler ..... Liters /day  
     (iv) Flushing (Toilets) ..... Liters /day  
     (v) Any other ..... Liters /day  
**Total Quantity:**                      Liters /day

6. Air Pollution Aspects

S.No.	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	Kitchen	3	LPG	Hood and suction arrangement provided to channelize the kitchen emissions over terrace
2.	Boiler	2	Diesel	Adequate stack height
3.	Diesel Generator(s)	2(380 and 250 KVA)	Diesel	Acoustic Enclosure and adequate stack height
4.	Others			

**7. Waste Management**

S. No.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes /No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	150 Kg/ Day (As Provided letter by the Concerned Unit) 276.6 kg Per day (Estimated peak generation)*	No	No	Yes		M/s HRA E-Waste Pvt. Ltd.
(ii)	Construction & Demolition Waste	No records made available					
(iii)	Domestic Hazardous Waste	No records made available					
(iv)	Hazardous Waste (Used /Waste Oil )	No records made available					
(v)	E-Waste	No records made available					
(vi)	Lead Acid Battery Waste	No records made available					
(vi)	Garden Waste	5 kg/day	No	No	No	Not Provided	
(vii)	Recyclable Waste	No records made available					

\* Based on data furnished

\*\* Based on full occupancy + floating population figure adopted from SWM Manual 2000

**8. Rain Water Harvesting System (RWHS) : No of RWHS Pits- 01 Nos Not functional**

**Observations/Comments of the inspection on 13.02.2017**

GOLDEN TULIP CHATTARPUR is operating their Motel at 242-245, FATEHPUR BERI ASOLA New Delhi. The Motel was inspected by Sub Committee-II on 13.02.2017. It was informed that Motel is having 34 rooms, 3 Banquet halls, 3 Party lawns and 1 Restaurant. Following are the observations of the team after discussion with officials of the Motel who were present during inspection:

1. As informed by the unit, the unit was established in year 2011-2012, Plot Area of the motel is 11845.55 sq m and Built up Area is 1745.27 SQM. No Environmental Clearance was available with the unit.
2. Motel is not having valid Consent to Operate under Air and Water Act.
3. Water is procured from 2 Borewells for which no approval of CGWA/DJB is available.
4. STP of capacity 40 KLD has been installed. STP is biological type and was found operational. As per calculations of DJB, STP design capacity is less than the waste water generation during

- peak (No information is available in the CPHEEO Manual regarding water requirement by Banquet Halls however DJB has considered Banquet Halls at par with Restaurant).
5. No Flow meters were found installed at inlet and outlet of STP. No Separate energy meter for STP found installed.
  6. Logbook of STP was not found maintained.
  7. The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is reused for gardening purposes etc.
  8. No information could be provided for quantum of sludge but it was informed that sludge is used for horticulture purposes.
  9. One sample of effluent was taken at the inlet of STP and outlet of STP by DPCC Lab. Though Results of the sample taken depicts that the motel is meeting the effluent standards but the operation and maintenance of STP was not satisfactory.
  10. Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height.

#### Issues:-

- Motel is operating without Consent under Air and Water Act
- Water is procured through Borewells but is not having Permission from DJB/CGWA for the same.
- Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- STP of capacity 40 KLD has been installed. STP is biological type and was found operational. As per calculations of DJB, STP design capacity is less than the waste water generation during peak (No information is available in the CPHEEO Manual regarding water requirement by banquet halls/party lawn however DJB has considered Banquet Halls/party lawn at par with the Restaurants). Flow meters not installed at Inlet & outlet of STP. No separate energy meter provided for STP.
- Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- The information/record with regarding to mass water balance could not be shown during inspection however as informed treated effluent is re used for gardening purpose only.
- No information could be provided for quantum of sludge but it was informed that sludge is used for horticulture.
- All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc. & operation of STP is need to be standardized, so that the uniformity can be maintained.

**Format of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area**

[W.R.T Orders of Hon’ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI & Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt of NCT &Ors]

**Date of Inspection: 13.02.2017**

**1. General Information**

- (a) **Name and Address of the Establishment:** Fortune Park Boulevard  
(Bulk Waste Generator) Dera More, Chattarpur New Delhi - 110074
- (b) **Owner /Partner / Managing Director’s Name and Telephone No. :** Mr. Nipun Sakhuja  
9810522236
- (c) **Month & Year of Establishment :** May -2011
- (d) **Name and Designation of the Person(s):** Mr. Roop Pandita (GM)  
Contacted at the site 8826884444
- (e) **Size of Premises (in Square Meter) :** (i) Plot Area- 15220 Sqmtr.(ii) Built up Area- 2276 Sqmtr.

**2. Type of Establishment**

- (Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.) : Motel  
Room- 34 No., Banquet hall- 01 (80 Persons)  
Restaurant- 01 (34 Persons), Lawn – 01 (500 Persons)

**3. Status of Licenses**

- (a) Environmental Clearance : Not Applicable
- (b) Consent under the Air & Water Acts : **Yes [Valid upto- 19.03.2017]**
- (c) Municipal Corporation License : **Yes [Valid upto-31.03.2017]**
- (d) Certificate from Fire Department regarding Fire Safety : Yes [Valid upto 17.7.2019]/

**4. Water and Waste Water**

- (a) **Source of Water Supply** : (i)**Bore well [No(s)-01, Permission from DJB/CGWA - NO]**

**(b)Water Consumption / Requirement and Waste Water Generation**

S.No.	Purpose /Use	Average Water Consumption/ Requirement *(in Liters /day)	Peak Water Consumption/Requirement at full capacity **(in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	14000	Rooms= 34x70= 2380	
(ii)	Air Conditioning /Cooling Plant or Boiler Feed	NA	Banquet= (80+500)x70= 40600	80% of 55220
(iii)	Kitchen	2000		
(iv)	Laundry	NA		
(v)	Swimming Pool	NA		
(vi)	Horticulture / Gardening			
(vii)	Others			
	<b>Total Quantity</b>	16000	55220	44176

\*- Based on data furnished by Unit

\*\* - Estimated as per Standards of CPHEEO, 1999 manual

(a) Waste Water Treatment System

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational/ Not Operational)
Effluent Treatment Plant (ETP)	---	---	---	--	--
Sewage Treatment Plant (STP)	Motel	35	Biological	O/G trap, Eq. tank, Aeration tank, Settling tank etc.	<b>Operational</b>

- (b) Mode of Disposal of Treated Waste Water : Gardening etc.  
 (c) Whether All Sections connected to ETP/STP : Yes  
 (d) Whether Adequacy Report of ETP/STP submitted : Yes  
 (e) Whether Effluent sample collected during inspection : Yes  
 (f) Whether ETP/STP is meeting the prescribed standards : Yes  
 (g) Whether Flow Meter Installed at Inlet and Outlet of ETP/STP : No  
 (h) Whether Separate Energy Meter provided for ETP/STP : No  
 (i) Whether Log Book of ETP / STP is being maintained : Yes  
 (j) ETP / STP Sludge generation : Quantity 2 Kg /day  
 Mode of Disposal : (i) Used as Compost in Horticulture

- (j) Reuse of Treated Waste Water :  
 (i) Gardening / Horticulture **15000 to 30000** Liters /day  
 (ii) Air Conditioning Plant / Cooling Tower ..... Liters /day  
 (iii) Boiler ..... Liters /day  
 (iv) Flushing (Toilets) ..... Liters /day  
 (v) Any other ..... Liters /day  
**Total Quantity: 15-30000** Liters /day

6. Air Pollution Aspects

S.No.	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	Kitchen	1	LPG	Hood and suction arrangement provided to channelize the kitchen emissions over terrace
2.	Boiler	NA	NA	NA
3.	Diesel Generator(s)	2-125 & 500 KVA	DIESEL	Acoustic Enclosure and adequate stack height
4.	Others	-		

## 7. Waste Management

S. No.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes /No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	30 kg/day(As Provided letter by the Concerned Unit) 95.40 kg Per day (Estimated peak generation)*	No	No	Yes		M/s HRA E-Waste
(ii)	Construction & Demolition Waste	No records made available					
(iii)	Domestic Hazardous Waste	No records made available					
(iv)	Hazardous Waste (Used /Waste Oil )	No records made available					
(v)	E-Waste	No records made available					
(vi)	Lead Acid Battery Waste	No records made available					
(vi)	Garden Waste	8 kg/day	No	No	No	Partial Composting	
(vii)	Recyclable Waste	No records made available					

\* Based on data furnished

\*\* Based on full occupancy + floating population figure adopted from SWM Manual 2000

## 8. Rain Water Harvesting System (RWHS)

: Yes

No of RWHS Pits- 04

## Observations/Comments of the inspection on 13.02.2017

M/s Fortune Park Boulevard is operating their Motel at Dera More, Chattarpur New Delhi. The Motel was inspected by Sub Committee-II on 13.02.2017. It was informed that Motel is having 34 rooms, 1 Banquets, 1 Restaurant hall and 1 Party lawns. Following are the observations of the team after discussion with officials of the Motel who were present during inspection:

1. As informed by the unit, the unit was established in year 2011, Plot Area of the motel is 15220 m<sup>2</sup> and Built up Area is 2276sq m. No Environmental Clearance was available with the unit.
2. Motel is having valid Consent to Operate under Air and Water Act which is valid till 19.03.2017.
3. Water is procured from 1 Ground Bore well for which CGWA/DJB approval is not available.
4. STP of capacity 35 KLD has been installed. STP is biological type based on MBBR technology and was found operational. As per calculations of DJB, STP design capacity is less than the waste water generation during peak (No information is available in the CPHEEO

Manual regarding water requirement by Banquet Halls however DJB has considered Banquet Halls at par with Restaurant).

5. No Flow meters were found installed at inlet and outlet of STP. No Separate energy meter for STP found installed.
6. Logbook of STP was found maintained.
7. The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is reused in gardening purposes etc.
8. It was informed that the quantum of sludge generated is approx. 2 kg/day and same is used for horticulture purposes.
9. One sample of effluent was taken at the inlet of STP and outlet of STP by DPCC lab. Results of the sample taken depicts that the motel is meeting the effluent standards.
10. Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height.

**Issues:-**

- Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- Water is procured through a borewell for which CGWA/DJB approval is not available.
- The information/record with regarding to mass water balance is sketchy and considering huge waste water generation and limited requirement for gardening purposes and cooling tower requirement, option of supply free of cost to the adjoining green area needs to be explored.
- All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc. & operation of STP needs to be standardized, so that the uniformity can be maintained.

## Format of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area

[W.R.T Orders of Hon'ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI & Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt of NCT & Ors]

**Date of Inspection: 13.02.2017**

### 1. General Information

- (a) **Name and Address of the Establishment:** COUNTRY INN & SUITES BY CARLSON  
(Bulk Waste Generator) Satbari Unit of Fairlie Hotels & Resorts Pvt. Ltd. Chattarpur
- (b) Owner /Partner / Managing Director's Name and Telephone No. : Mr. Vipul Chadha  
011-66066100
- (c) Month & Year of Establishment : April- 2011
- (d) Name and Designation of the Person(s) Contacted at the site : Sh. Sachin Dhingra (GM)  
8527894949
- (e) Size of Premises (in Square Meter) : (i) Plot Area-**19399 Sqmtr.**(ii) Built up Area- **2921.87 Sqmtr.**

### 2. Type of Establishment

- (Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.) : Motel  
Rooms – 37 No., Banquet hall – 02 (550 Persons)  
Restaurant- 01 (50 Persons), Lawn – 01 (600 Persons)

### 3. Status of Licenses

- (a) Environmental Clearance : Not Applicable
- (b) Consent under the Air & Water Acts : Yes [Valid upto...13./06/2017]
- (c) Municipal Corporation License : **Yes** [Valid upto- **31.03.2018**]
- (d) Certificate from Fire Department : **Yes** [Valid upto- **10.07.2019**]

### 4. Water and Waste Water

- (a) **Source of Water Supply** :  
(i) **Bore well [No(s)-01,** Permission from DJB/CGWA..No]  
**Water cess paid**

### (b) Water Consumption / Requirement and Waste Water Generation

S.No.	Purpose /Use	Average Water Consumption/ Requirement *(in Liters /day)	Peak Water Consumption/Requirement at full capacity ** (in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	20925	Rooms= 37x2x180= 13320	
(ii)	Air Conditioning /Cooling Plant or Boiler Feed	6000	Restaurant= 50x70= 3500	
(iii)	Kitchen	13975	Banquet= (550+600)x70= 80500	80% of 97320
(iv)	Laundry	--		
(v)	Swimming Pool	--		
(vi)	Horticulture / Gardening	2000		
(vii)	Others			
	<b>Total Quantity</b>	42900	97320	77856

\*- Based on data furnished by Unit

\*\* - Estimated as per Standards of CPHEEO, 1999 manual

**5. Waste Water Management**

**(a) Waste Water Treatment System**

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational/ Not Operational)
Effluent Treatment Plant (ETP)	-	-	-	-	-
Sewage Treatment Plant (STP)	Motel Premises	100	MBBR, Biological	Collection Tank, Primary and Secondary Tank, Media Filter, Filter press	Operational

- (b) Mode of Disposal of Treated Waste Water : Gardening etc
- (c) Whether All Sections connected to ETP/STP : Yes
- (d) Whether Adequacy Report of ETP/STP submitted : Yes
- (e) Whether Effluent sample collected during inspection : Yes
- (f) Whether ETP/STP is meeting the prescribed standards : Yes
- (g) Whether Flow Meter Installed at Inlet and Outlet of ETP/STP : Yes
- (h) Whether Separate Energy Meter provided for ETP/STP : Yes
- (i) Whether Log Book of ETP / STP is being maintained : Yes
- (j) ETP / STP Sludge generation : Quantity ...2... Kg /day
- Mode of Disposal :  
(i) Used as Compost in Horticulture
- (k) Reuse of Treated Waste Water :  
 (i) Gardening / Horticulture **2000** Liters /day  
 (ii) Air Conditioning Plant / Cooling Tower **6000** Liters /day  
 (iii) Boiler ..... Liters /day  
 (iv) Flushing (Toilets) ..... Liters /day  
 (v) Any other ..... Liters /day  
**Total Quantity: 8000** Liters /day

**6. Air Pollution Aspects**

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	Kitchen	3	LPG	Hood and suction arrangement provided to channelize the kitchen emissions over terrace
2.	Boiler	--	---	---
3.	Diesel Generator(s)	3 x 320 KVA	Diesel	Acoustic Enclosure and adequate stack height
4.	Others			

## 7. Waste Management

S. No.	Type of Waste	Quantity of Waste **Generated/**Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes /No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	40 kg/day (As Informed verbally During inspection) 157 kg Per day (Estimated peak generation)*	No	No	Yes		M/s HRA –E Waste Pvt. Ltd.(Agreement not provided)
(ii)	Construction & Demolition Waste	No records made available					
(iii)	Domestic Hazardous Waste	No records made available					
(iv)	Hazardous Waste (Used /Waste Oil )	No records made available					
(v)	E-Waste	No records made available					
(vi)	Lead Acid Battery Waste	No records made available					
(vi)	Garden Waste	5 Kg/day	No	No	No	Not Provided	
(vii)	Recyclable Waste	No records made available					

\* Based on data furnished

\*\* Based on full occupancy + floating population figure adopted from SWM Manual 2000

## 8. Rain Water Harvesting System (RWHS)

: Yes

No of RWHS Pits- 02, No Document Attached

## Observations/Comments of the inspection on 13.02.2017

COUNTRY INN & SUITES BY CARLSON is operating their Motel at Vill. Satbari Chatterpur New Delhi. The Motel was inspected by Sub Committee-II on 13.02.2017. It was informed that Motel is having 37 rooms, 2 Banquet halls, 1 Party lawn and 1 Restaurant. Following are the observations of the team after discussion with officials of the Motel who were present during inspection:

1. As informed by the unit, the unit was established in year 2011, Plot Area of the motel is 19399 m<sup>2</sup> and Built up Area is 2921.87sq m<sup>2</sup>. No Environmental Clearance was available with the unit.
2. Motel is having valid Consent to Operate under Air and Water Act which is valid till 13.06.2017.
3. Water is procured from 1 Ground Bore well for which CGWA/DJB approval was not available; however, water cess is being paid.

4. STP of capacity 100 KLD has been installed. STP is based on MBBR Technology and was found operational. As per calculations of DJB, STP design capacity is more than the waste water generation during peak.
5. Flow meters were found installed at inlet and outlet of STP. Separate energy meter for STP found installed.
6. Logbook of STP was found maintained.
7. The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is reused for air conditioning plant, in gardening purposes etc.
8. It was informed that the quantum of sludge generated is approx. 2kg/day and same is used for horticulture purposes.
9. One sample of effluent was taken at the inlet of STP and outlet of STP by DPCC lab. Results of the sample taken depicts that the motel is meeting the effluent standards.
10. Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height.

**Issues:-**

- Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- Water is procured through a borewell for which CGWA/DJB approval is not available.
- The information/record with regarding to mass water balance is sketchy and considering huge waste water generation and limited requirement for gardening purposes and cooling tower requirement, option of supply free of cost to the adjoining green area needs to be explored.
- All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc. & operation of STP needs to be standardized, so that the uniformity can be maintained.

**Format of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area**

[W.R.T Orders of Hon'ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI & Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt of NCT &Ors]

**Date of Inspection: 13.02.2017**

**1. General Information**

- (a) **Name and Address of the Establishment:** M/s Radiance Motel, 268/2, 267, 270, 271/2 Satbari, Chattarpur, New Delhi-74  
(Bulk Waste Generator)
- (b) Owner /Partner / Managing Director's Name and Telephone No. : Aslish Mohan Kalra (Partner)
- (c) Month & Year of Establishment : 20/01/2016
- (d) Name and Designation of the Person(s) Contacted at the site : Sh. Vikas Bhasin 9711621901
- (e) Size of Premises (in Square Meter) : (i) Plot Area- 13826 M<sup>2</sup>.(ii) Built up Area- 2737 Sqmtr

**2. Type of Establishment**

- (Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.) : Motel Banquets = 01 (250 Per)  
No of Room : - 07, Lawn = 01 (500 Per)

**3. Status of Licenses**

- (a) Environmental Clearance : **Not Applicable**
- (b) Consent under the Air & Water Acts : No -Applied for Consent to Establish on 12.03.2017
- (c) Municipal Corporation License : **Yes** [Valid upto- 31.03.2017]
- (d) Certificate from Fire Department : **Yes** [Valid upto- 08.06.2018]

**4. Water and Waste Water**

- (a) **Source of Water Supply** : (i)Bore well [No(s).01 Permission from DJB/CGWA.. No]
- (b)**Water Consumption / Requirement and Waste Water Generation**

S.No.	Purpose /Use	Average Water Consumption/ Requirement *(in Liters /day)	Peak Water Consumption/Requirement at full capacity **(in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	500	Rooms= 7x2x180= 2520 Banquet= (250+500)x70= 52500	80% of 55020
(ii)	Air Conditioning /Cooling Plant or Boiler Feed	--		
(iii)	Kitchen	100		
(iv)	Laundry	--		
(v)	Swimming Pool	--		
(vi)	Horticulture / Gardening	--		
(vii)	Others	100		
	<b>Total Quantity</b>	<b>700</b>	<b>55020</b>	<b>44016</b>

\*- Based on data furnished by Unit

\*\* - Based on full occupancy + floating population figure furnished by the unit

### 5. Waste Water Management

#### (a) Waste Water Treatment System

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational/ Not Operational)
Effluent Treatment Plant (ETP)					
Sewage Treatment Plant (STP)	Motel	25	Biological	Collection Tank, O&G trap, Tube Settler etc	<b>Operational</b>

- (b) Mode of Disposal of Treated Waste Water : Gardening etc
- (c) Whether All Sections connected to ETP : **Yes**
- (d) Whether Adequacy Report of ETP submitted : **No**
- (e) Whether Effluent sample collected during inspection : **Yes**
- (f) Whether ETP/STP is meeting the prescribed standards : **No**
- (g) Whether Flow Meter Installed at Inlet and Outlet of ETP : **Yes**
- (h) Whether Separate Energy Meter provided for ETP : **No**
- (i) Whether Log Book of ETP / STP is being maintained : **No**
- (j) ETP / STP Sludge generation : Quantity 1-3 Kg /day  
 Mode of Disposal : **(i) Used as Compost in Horticulture**
- (k) Reuse of Treated Waste Water : **(i) Gardening / Horticulture** 6000 Liters /day  
 (ii) Air Conditioning Plant / Cooling Tower ..... Liters /day  
 (iii) Boiler ..... Liters /day  
 (iv) Flushing (Toilets) ..... Liters /day  
 (v) Any other ..... Liters /day  
**Total Quantity:** Liters /day

### 6. Air Pollution Aspects

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	<b>Kitchen</b>	<b>1</b>	<b>LPG</b>	Hood and suction arrangement provided to channelize the kitchen emissions over terrace
2.	<b>Boiler</b>	-	-	-
3.	<b>Diesel Generator(s)</b>	<b>1</b>	-	Acoustic Enclosure and adequate stack height
4.	<b>Others</b>			

**7. Waste Management**

S. No.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers are provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes /No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	3 kg/day (As Provided letter by the Concerned Unit) 82 kg Per day (Estimated peak generation)*	No	No	No		M/s HRA E Waste Pvt. Ltd.(Agreement not provided)
(ii)	Construction & Demolition Waste	No records made available					
(iii)	Domestic Hazardous Waste	No records made available					
(iv)	Hazardous Waste (Used /Waste Oil )	No records made available					
(v)	E-Waste	No records made available					
(vi)	Lead Acid Battery Waste	No records made available					
(vi)	Garden Waste	No records made available					
(vii)	Recyclable Waste	No records made available					

\* Based on data furnished

\*\* Based on full occupancy + floating population figure adopted from SWM Manual 2000

**8. Rain Water Harvesting System (RWHS) : 02 –Not functional****Observations/Comments of the inspection on 13.02.2017**

M/s Radiance Motel is operating their Motel at Vill. Satbari Chattarpur New Delhi. The Motel was inspected by Sub Committee-II on 13.02.2017. It was informed that Motel is having 07 rooms, 1 Banquet hall and 1 Party lawn. Following are the observations of the team after discussion with officials of the Motel who were present during inspection:

1. As informed by the unit, the unit was established in year 2016, Plot Area of the motel is 13826 m<sup>2</sup> and Built up Area is 2737sq m. No Environmental Clearance was available with the unit.
2. Motel has not applied for Consent to Operate under Air and Water Act.
3. Water is procured from 1 Bore well for which CGWA/DJB approval is not available.

4. ETP was found installed based on physic-chemical treatment but the same was found non-operational. The unit has claimed that it is having an STP of capacity 25 KLD. As per calculations of DJB, the STP design capacity (as claimed) is less than the waste water generation during peak (No information is available in the CPHEEO Manual regarding water requirement by Banquet Halls however DJB has considered Banquet Halls at par with Restaurant).
5. No Flow meters were found installed at inlet and outlet of STP. No Separate energy meter for STP found installed.
6. Logbook of STP was not found maintained.
7. The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is reused in gardening purposes etc.
8. It was informed that the quantum of sludge generated is approx. 1-3 kg/day and same is used for horticulture purposes.
9. One sample of effluent was taken at the inlet of ETP and outlet of ETP by DPCC Lab. Results of the sample taken depicts that the Motel is not meeting the effluent standards.
10. Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height.
11. Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
12. Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
13. All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
14. Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc & operation of STP is need to be standardized, so that the uniformity can be maintained.

**Format of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area**

[W.R.T Orders of Hon'ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI & Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt of NCT &Ors]

**Date of Inspection: 14.02.2017**

**1. General Information**

- (a) **Name and Address of the Establishment:** AIIMS & Tauma Cener, Ansari Nagar, Delhi  
(Bulk Waste Generator)
- (b) Owner /Partner / Managing Director's : Director AIIMS  
Name and Telephone No. : 011-26594800
- (c) Month & Year of Establishment : 02.02.1956
- (d) Name and Designation of the Person(s) :  
Contacted at the site
- (e) Size of Premises (in Square Meter) : (i) Plot Area-**60000 Sqmtr.** (ii) Built up Area- 176600 Sqmtr.

**2. Type of Establishment**

- (Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.) : Hospital  
No of Beds – 2362 No, No of Visitor – 2362 No.  
OPD-7632 Persons/day, Footfall (includes OPD and visitors)-50000 Per day  
Hostel-20 Nos. (2000 persons)

**3. Status of Licenses**

- (a) Environmental Clearance : Not Applicable
- (b) Consent under the Air & Water Acts : Applied for Consent
- (c) Municipal Corporation License : No information provided
- (d) Certificate from Fire Department : Yes [Valid upto2019] –Dates vary according to Departments

**4. Water and Waste Water**

- (a) **Source of Water Supply** : (i) Delhi Jal Board [ Bill Available.... Yes ]  
(ii) Bore well [No(s) 28, Permission from DJB/CGWA..Yes/No]
- (b) **Water Consumption / Requirement and Waste Water Generation**

S.No.	Purpose /Use	Average Water Consumption/ Requirement *(in Liters /day)	Peak Water Consumption/Requirement at full capacity **(in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic		Beds= 2362x450=1062900 Visitors= (2362+7632+50000)x15 = 899910	80% of 1962810
(ii)	Air Conditioning /Cooling Plant or Boiler Feed	5.33 lakh		
(iii)	Kitchen			
(iv)	Laundry	1.00 lakh		
(v)	Swimming Pool			
(vi)	Horticulture / Gardening	75000		
(vii)	Others			
<b>Total Quantity</b>			1962810	1570248

\*- Based on data furnished by Unit

\*\* - Estimated as per Standards of CPHEEO, 1999 manual

### 5. Waste Water Management

#### (a) Waste Water Treatment System

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational/ Not Operational)
Effluent Treatment Plant (ETP)	---	---	---	---	---
Sewage Treatment Plant (STP)	Hospital	1 MLD		Screen Chamber, Equalization Tank, MBBR Tank, Settling Tank, DMF, etc	<b>Operational</b>

- (b) Mode of Disposal of Treated/untreated Waste Water : Land etc.
- (c) Whether All Sections connected to ETP/STP : Yes
- (d) Whether Adequacy Report of ETP/STP submitted : Yes
- (e) Whether Effluent sample collected during inspection : Yes
- (f) Whether ETP/STP is meeting the prescribed standards : Yes
- (g) Whether Flow Meter Installed at Inlet and Outlet of ETP/STP : Yes
- (h) Whether Separate Energy Meter provided for ETP/STP : Yes
- (i) Whether Log Book of ETP / STP is being maintained : Yes
- (j) ETP / STP Sludge generation : Quantity ...10... Kg /day  
 Mode of Disposal : (i) Used as Compost in Horticulture
- (k) Reuse of Treated Waste Water :
  - (i) Gardening / Horticulture 250000 Liters /day
  - (ii) Air Conditioning Plant / Cooling Tower ..... Liters /day
  - (iii) Boiler ..... Liters /day
  - (iv) Flushing (Toilets) ..... Liters /day
  - (v) Any other ..... Liters /day

**Total Quantity: 250000 Liters /day**

### 6. Air Pollution Aspects

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	Kitchen			
2.	Boiler	2-1000 Kg/hr	HSD	Adequate stack height
3.	Diesel Generator(s)	23 Nos	HSD	Acoustic Enclosure and adequate stack height
4.	Others			

**7. Waste Management**

S. No.	Type of Waste	Quantity of Waste *Generated/* *Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes /No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	7000 kg/day. As Provided letter by the Concerned Unit) 7181 kg Per day (Estimated peak generati	No	No	No		M/s Biotic Waste Management ltd.
(ii)	Construction & Demolition Waste	20000 to 25000 kg/ Day	Separate Yard		No	Through Online Tender	
(iii)	Domestic Hazardous Waste	No details made available					
(iv)	Hazardous Waste (Used /Waste Oil)	No details made available					
(v)	E-Waste	No details made available				HRA E-waste	
(vi)	Lead Acid Battery Waste	No details made available					Buy back arran
(vi)	Garden Waste		No	No	No	Not Provided	
(vii)	Recyclable Waste	No details made available					

\* Based on data furnished

\*\* Based on full occupancy + floating population figure adopted from SWM Manual 2000

**In case of Hospitals for Bio Medical Waste Management**

(a) Whether having proper Bio Medical Waste Segregation in:

- (i) Pathological and other Laboratories : Partly
- (ii) General and Private Wards : Yes
- (iii) Operation Theatres : Yes
- (iv) ICUs : Could not be visited

(b) Pretreatment of Laboratory Waste / Blood Bank : Partly

(c) On site segregation : Yes

(d) Common collection point (Temporary collection site) : Yes

(e) Provision for collection and treatment of floor washing and container trolley : Yes

**8. Rain Water Harvesting System (RWHS) : Yes No. of RWHS Pits 15**

**Observations of All India Institute of Medical Sciences(AIIMS), Ansari Nagar, New Delhi**

All India Institute of Medical Sciences (AIIMS) is a multi-specialty hospital located at Ansari nagar, New Delhi and has operational bed strength of 2362 beds. Hospital was inspected by Sub Committee-II on 14.02.2017. Following are the observations of the team after discussion with officials who were present during inspection:

1. Average OPD is 7632/day and average footfall is 50,000/day (includes OPD and visitors).
2. One STP of capacity 1 MLD (Based on MBBR Technology) has been installed for this hospital STP was found operational.
3. Source of Water is from DJB and 28 borewells.
4. Hospital is having valid Authorization under BMW Rules that is valid till 18.3.2017. Hospital has applied for Consent under Air and Water Act.
5. As per calculations of DJB, STP design capacity is less than the waste water generation during peak.
6. No sludge storage facility provided and sludge found stored in open.
7. One sample of effluent was taken at the inlet and outlet of STP by DPCC Lab. Results of the sample taken depicts that the Hospital is meeting the effluent standards.
8. The information/record with regarding to mass water balance could not be shown during inspection however as informed treated effluent is re used for gardening purpose.
9. The hospital is in process of updating themselves for compliance w.r.t. Bio Medical Waste (Management and Handling) Rules, 2016.
10. The bio medical waste generated from the hospital is handed over to CBWTF namely M/s Biotic Waste Solutions Pvt. Ltd., however some of the provisions of BMWM Rules, 2016, e.g. Bar Code System for Bags or Containers containing bio medical waste and Phasing out of Chlorinated Plastic Bags, Gloves and Blood Bags are yet to be complied.
11. It was observed that the staff needed comprehensive training about implementation of Bio Medical Waste (Management and Handling) Rules, 2016.
12. It was informed that the Hospital was having a separate infection control team which ensured that Hospital Acquired Infections (HAI) are kept to minimum.
13. As informed, Sludge generated from the STP is used as Compost in Horticulture however as per the provisions of the Bio-Medical Waste Management Rules, 2016, sludge generated from the Effluent Treatment Plant should be given to Common Bio Medical Waste Treatment facility for incineration since there is no operational TSDF in Delhi.
14. It was observed that sewage from Hostel and residential area goes to DJB sewer lines. Similarly, for MSW collection and disposal comprehensive planning is needed.
15. Though Log Book for operation of the STP has been maintained however lacks important information particularly w.r.t Quantity of waste water treated each day and sludge generated. Proper maintenance of the Logbook for operation of STP is required. Separate energy meter not provided.
16. The information/record with regarding to mass water balance could not be shown during inspection however as informed treated effluent is re used for gardening, cooling towers.
17. One sample of effluent was taken at the inlet of STP and outlet of STP by DPCC Lab. Results of the sample taken depicts that the Hospital is meeting the effluent standards.

18. Unit has provided proper channelization system for kitchen emissions and stack height found adequate. DG sets are having acoustic enclosure and adequate stack height.
19. Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
20. Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
21. All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
22. Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc & operation of STP is need to be standardized, so that the uniformity can be maintained.

**Format of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area**

[W.R.T Orders of Hon'ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI & Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt of NCT &Ors]

**Date of Inspection: 15.02.2017**

**1. General Information**

- (a) **Name and Address of the Establishment:** M/s Safdarjang Hospital & VMMC  
(Bulk Waste Generator)
- (b) **Owner /Partner / Managing Director's** : Govt. of India  
Name and Telephone No.
- (c) **Month & Year of Establishment** : 1954
- (d) **Name and Designation of the Person(s)** : Dr. Malini R. Capoor  
Contacted at the site 9891459717
- (e) **Size of Premises (in Square Meter):** (i) Plot Area- **190874.03 Sqm.**(ii) Built up Area- **303085.31 Sqm**

**2. Type of Establishment**

: Hospital & Medical College  
(Bulk Waste Generator) (Main Activities / No of Beds – 1531, Visitor – 1531, OPD- 9538  
Units / Facilities (No of Rooms / Beds etc.) Student-1135, Staff (residence)- 1000,  
Floating population -950 & Staff (Non-residence) - 1540

**3. Status of Licenses**

- (a) **Environmental Clearance** : Yes(Issued on 04/02/2014 for redevelopment of Super Specialty block cum paid ward and emergency block
- (b) **Consent under the Air & Water Acts** : Applied for Consent to Operate
- (c) **Municipal Corporation License** : No information provided
- (d) **Certificate from Fire Department** : No information provided

**4. Water and Waste Water**

- (a) **Source of Water Supply** : (i) Delhi Jal Board
- (b) **Water Consumption / Requirement and Waste Water Generation**

S.No.	Purpose /Use	Average Water Consumption/ Requirement *(in Liters /day)	Peak Water Consumption/Requirement at full capacity ***(in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic		Beds= 1531x450= 688950 Visitors= (1531+9538+950)x15= 180285 Office= 1540x45= 69300 Students= 1135x45= 51075 Residents= 1000x135= 135000	80% of 1124610
(ii)	Air Conditioning /Cooling Plant or Boiler Feed			
(iii)	Kitchen			
(iv)	Laundry			
(v)	Swimming Pool			
(vi)	Horticulture / Gardening			
(vii)	Others			
	<b>Total Quantity</b>		1124610	899688

\*- Based on data furnished by Unit

\*\* - Estimated as per Standards of CPHEEO, 1999 manual

**5. Waste Water Management**

**(a) Waste Water Treatment System**

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational / Not Operational)	Remarks (If any)
Effluent Treatment Plant (ETP)	--	--	--	--	--	<b>No ETP /STP installed</b>
Sewage Treatment Plant (STP)	--	--	--	--	--	

- (b) Mode of Disposal of Treated/untreated Waste Water : DJB/City Sewerage System
  - (c) Whether All Sections connected to ETP/STP : No ETP/STP installed
  - (d) Whether Adequacy Report of ETP/STP submitted : No
  - (e) Whether Effluent sample collected during inspection : Yes from 4 Bypass outlets
  - (f) Whether effluent is meeting the prescribed standards : No
  - (g) Whether Flow Meter Installed at Inlet and Outlet of ETP/STP : NA
  - (h) Whether Separate Energy Meter provided for ETP/STP : NA
  - (i) Whether Log Book of ETP / STP is being maintained : NA
  - (j) ETP / STP Sludge generation : NA
  - Mode of Disposal : NA
  - (k) Reuse of Treated Waste Water :
    - (i) Gardening / Horticulture ..... Liters /day
    - (ii) Air Conditioning Plant / Cooling Tower ..... Liters /day
    - (iii) Boiler ..... Liters /day
    - (iv) Flushing (Toilets) ..... Liters /day
    - (v) Any other ..... Liters /day
- Total Quantity:** Liters /day

**6. Air Pollution Aspects**

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken	Remarks (If any)
1.	Kitchen				
2.	Boiler	2-1000 kg/hr	LDO	Adequate Stack Height	
3.	Diesel Generator(s)	6			
4.	Others				

**7. Waste Management**

S. No.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes /No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	4067.50 kg/day (As Provided by the Concerned Unit) 3188.90 kg Per day (Estimated peak generation)*	No	No	No		Not Provided
(ii)	Construction & Demolition Waste	No details available					M/s Jagdish Associates
(iii)	Domestic Hazardous Waste	No details available					
(iv)	Hazardous Waste (Used /Waste Oil )	No details available					
(v)	E-Waste	No details available					
(vi)	Lead Acid Battery Waste	No details available					
(vi)	Garden Waste	No details available					
(vii)	Recyclable Waste	No details available					

\* Based on data furnished

\*\* Based on full occupancy + floating population figure adopted from SWM Manual 2000

**In case of Hospitals for Bio Medical Waste Management**

(a) Whether having proper Bio Medical Waste Segregation in:

- (i) Pathological and other Laboratories : No
- (ii) General and Private Wards : Partly
- (iii) Operation Theatres : Yes
- (iv) ICUs : Yes

(b) Pretreatment of Laboratory Waste / Blood Bank : No

(c) On site segregation : Yes

(d) Common collection point (Temporary collection site) : Yes

(e) Provision for collection and treatment of floor washing and container trolley : No

**8. Rain Water Harvesting System (RWHS)**

: No statement

No of RWHS Pits.....

### **Observations of inspection of Safdarjung Hospital and VMMC**

Safdarjung Hospital is a multi specialty hospital and has operational bed strength of 1531 beds. It was informed that Safdarjung Hospital was founded in 1942 during the Second World War as a Base Hospital for the allied forces. Hospital was inspected by Sub Committee-II on 15.02.2017. Following are the observations of the team after discussion with officials of the Hospital who were present during inspection:

1. Average OPD is 9500/day and average occupancy is usually more than 100%.
2. It was observed that traffic management at the hospital was not proper.
3. No STP/ETP has been installed to treat effluent generated from the hospital. It was conveyed that approx 3000 KL/day of effluent is generated and installation of STP was under process.
4. Hospital has applied for Consent under Air and Water Act on 24.9.15.
5. Samples of effluent were taken at 4 bye-pass points. Results of the sample taken depicts that the Hospital is not meeting the effluent standards.
6. The information/record with regarding to mass water balance could not be shown during inspection.
7. Proper co-ordination among different sections of the hospital and Engineering officials needs to be made as the format for information provided to the hospital was not properly filled even after reminder.
8. The hospital is in process of updating themselves for compliance w.r.t. Bio Medical Waste (Management and Handling) Rules, 2016.
9. Quantum of Bio medical waste generated and handed over to CBWTF is Yellow bags - approx 20000 Kg/month, Blue Bags- Approx 25000 Kg/month, Sharps-Approx. 1750 Kg/month.
10. The bio medical waste generated from the hospital is handed over to CBWTF namely M/s SMS Watergrace BMW (P) Ltd.
11. Annual Report of BMW for year 2015 was submitted and it was informed that Annual Report for year was under process.
12. It was observed that BMW was mixed with municipal solid waste in few of the bags at the storage site of municipal solid waste.
13. The staff OF Hospital needs comprehensive training about implementation of Bio Medical Waste (Management and Handling) Rules, 2016.
14. Unit has provided proper channelization system for kitchen emissions and stack height found adequate. DG sets are having acoustic enclosure and adequate stack height.
15. Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
16. Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
17. All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
18. Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc & operation of STP is need to be standardized, so that the uniformity can be maintained.

**Format of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area**

[W.R.T Orders of Hon’ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI & Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt of NCT &Ors]

**Date of Inspection: 15.02.2017**

**1. General Information**

- (a) **Name and Address of the Establishment:** Hyatt Regency Delhi, Asian Hotel, (North) Limited, (Bulk Waste Generator) Bhikaji Cama Place, Ring Road, New Delhi-110016.
- (b) **Owner /Partner / Managing Director’s Name and Telephone No.** : Asian Hotels (North) Limited, 011-26791234
- (c) **Month & Year of Establishment** : 1982
- (d) **Name and Designation of the Person(s) Contacted at the site** : Sh. Ashish Tripathi (Manager) 9871386777
- (e) **Size of Premises (in Square Meter)** : (i) Plot Area- 20000 sqmt (ii) Built up Area- 63000 sqmt

**2. Type of Establishment**

- (Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.) : Five Star Hotel  
No of Rooms – 512, Banquets hall- 03, (1650 Persons)  
No. of Restaurants- 06, (600 Persons)

**3. Status of Licenses**

- (a) **Environmental Clearance** : Yes [Issued on 30.4.2010]
- (b) **Consent under the Air & Water Acts** : Yes [Valid upto 15.8.2021]
- (c) **Municipal Corporation License** : Yes [Valid upto- **Document not provided**
- (d) **Certificate from Fire Department regarding Fire Safety** : **Yes** [Valid upto- **13.03.2020**]/

**4. Water and Waste Water**

- (a) **Source of Water Supply** : (i) **Delhi Jal Board [ Bill Available.... Yes]**  
(ii) **Bore well [No(s).03, Permission from DJB/CGWA - Yes]**

**(b)Water Consumption / Requirement and Waste Water Generation**

S.No.	Purpose /Use	Average Water Consumption/ Requirement *(in Liters /day)	Peak Water Consumption/Requirement at full capacity **(in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	190000	Rooms= 512x2x180=	
(ii)	Air Conditioning /Cooling Plant or Boiler Feed	130000	184320	
(iii)	Kitchen	45000	Restaurant= 600x70=	80% of 341820
(iv)	Laundry	100000	42000	
(v)	Swimming Pool	8000	Banquet= 1650x70=	
(vi)	Horticulture / Gardening	25000	115500	
(vii)	Others			
	<b>Total Quantity</b>	398000	341820	273456

\*- Based on data furnished by Unit

\*\* - Estimated as per Standards of CPHEEO, 1999 manual

(a) Waste Water Treatment System

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational / Not Operational)
Effluent Treatment Plant (ETP)	--	--	--	--	---
Sewage Treatment Plant (STP)	Hotel	450 KLD	Biological	O/G trap, Eq. tank, Aeration tank, Settling tank etc.	Operational

- (b) Mode of Disposal of Treated/untreated Waste Water : Gardening etc.  
(c) Whether All Sections connected to ETP/STP : Yes  
(d) Whether Adequacy Report of ETP/STP submitted : Yes  
(e) Whether Effluent sample collected by DPCC Lab during inspection : Yes  
(f) Whether ETP/STP is meeting the prescribed standards : Yes  
(g) Whether Flow Meter Installed at Inlet and Outlet of ETP/STP : No flow meter at inlet of STP  
(h) Whether Separate Energy Meter provided for ETP/STP : No  
(i) Whether Log Book of ETP / STP is being maintained : No  
(j) ETP / STP Sludge generation : Quantity Not known  
Mode of Disposal : (i) Disposed along with Solid Waste  
(k) Reuse of Treated Waste Water : (i) Gardening / Horticulture 25000 Liters /day  
(ii) Air Conditioning Plant / Cooling Tower 15000 Liters /day  
(iii) Boiler 130000 Liters /day  
(iv) Flushing (Toilets) ..... Liters /day  
(v) Any other ..... Liters /day  
**Total Quantity:** Liters /day

6. Air Pollution Aspects

S.No.	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	Kitchen	05	PNG	Hood and suction arrangement provided to channelize the kitchen emissions over terrace
2.	Boiler	05	PNG	Adequate stack height
3.	Diesel Generator(s)	03(2-1500 KVA & 1-1250 2225 KVA)	Diesel	Acoustic Enclosure and adequate stack height
4.	Others			

## 7. Waste Management

S. No.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes /No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	780Kg/day (As Provided letter by the Concerned Unit) 737 kg Per day (Estimated peak generation)*	No	No	Yes		M/s HRA E-Waste Pvt. Ltd.
(ii)	Construction & Demolition Waste	No records made available					
(iii)	Domestic Hazardous Waste	No records made available					
(iv)	Hazardous Waste (Used /Waste Oil)	No records made available					
(v)	E-Waste	No records made available					
(vi)	Lead Acid Battery Waste	No records made available					
(vi)	Garden Waste	15 kg/day	No	No	No	Partial Composting	
(vii)	Recyclable Waste	No records made available					

\* Based on data furnished

\*\* Based on full occupancy + floating population figure adopted from SWM Manual 2000

## 8. Rain Water Harvesting System (RWHS)

: Yes

No of RWHS Pits- 3

## Observations/Comments of the inspection on 15.02.2017

Hyatt Regency Delhi, Asian Hotel, (North) Limited is operating their Hotel at Bhikaji Cama Place, New Delhi. The Hotel was inspected by Sub Committee-II on 15.02.2017. It was informed that hotel is having 512 rooms, 3 Banquet halls, and 6 Restaurant. Following are the observations of the team after discussion with officials of the Hotel who were present during inspection:

1. As informed by the unit, the unit was established in year 1982, Plot Area of the Hotel is 20000 m<sup>2</sup> and Built up Area is 63,000 sq m<sup>2</sup>. Hotel is having Environmental Clearance issued on 30.4.2010.
2. Hotel is having valid Consent to Operate under Air and Water Act which is valid till 15.08.2021.
3. Water is procured from 3 Borewells and from DJB.

4. STP of capacity 450 KLD has been installed. STP is biological type and was found operational. As per calculations of DJB, STP design capacity is more than the waste water generation during peak.
5. No Flow meters were found installed at inlet of STP. No Separate energy meter for STP found installed.
6. Logbook of STP was not found maintained.
7. The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is reused for air conditioning plant, in gardening purposes etc.
8. No information regarding quantum of sludge provided however it was informed that sludge is used for horticulture purposes.
9. One sample of effluent was taken at the inlet of STP and outlet of STP by DPCC Lab. Though Results of the sample taken depicts that the motel is meeting the effluent standards but the operation and maintenance of STP was not satisfactory.
10. Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height. PNG fired boilers are existing with adequate stack height.

**Issues:-**

- Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- The information/record with regarding to mass water balance is sketchy and considering huge waste water generation and limited requirement for gardening purposes and cooling tower requirement, option of supply free of cost to the adjoining green area needs to be explored.
- All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc. & operation of STP needs to be standardized, so that the uniformity can be maintained.

## Format of Sub Committee II in respect of Bulk Waste Generators in South Delhi Municipal Corporation Area

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**Date of Inspection: 16.02.2017**

### 1. General Information

- (a) **Name and Address of the Establishment:** (Bulk Waste Generator) HOTEL J.W. MARRIOTT  
Aria Hotels And Consultancy Services Pvt. Ltd.  
Asset No. 4  
Aero City IGI Airport.
- (b) **Owner /Partner / Managing Director's Name and Telephone No.** : Mr. Sushil Gupta (MD)  
011-46101208
- (c) **Month & Year of Establishment** : October- 2013
- (d) **Name and Designation of the Person(s) Contacted at the site** : Mr. Padma Charan, 8527298224  
Mr. S. N. Raghu , 9871386781
- (e) **Size of Premises (in Square Meter)** : (i) Plot Area- 23865.8 M<sup>2</sup> (ii) Built up Area- 90967.3 M<sup>2</sup>

### 2. Type of Establishment

- (Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.) : Five Star Hotel  
No. of Rooms – 523, Restaurants -02 (370 Per) Banquet hall-1 No. (1200 Per)

### 3. Status of Licenses

- (a) **Environmental Clearance** : **Yes** [Issued on 20.7.2010]
- (b) **Consent under the Air & Water Acts** : **Yes** [Valid upto- 2.4.2018]
- (c) **Municipal Corporation License** : **Yes** [Valid upto-31.3.17 ]
- (d) **Certificate from Fire Department** : **Yes** [Valid upto-3.3.19]

### 4. Water and Waste Water

- (a) **Source of Water Supply** : (i) Delhi International Pvt. Ltd. Customer No. 1000000762  
Meter No. JW 04/11/-1W-1004.

#### (b) Water Consumption / Requirement and Waste Water Generation

S.No.	Purpose /Use	Average Water Consumption/ Requirement *(in KLiters /day)	Peak Water Consumption/Requirement at full capacity **(in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	103.6	Rooms= 523x2x180= 188280	
(ii)	Air Conditioning /Cooling Plant or Boiler Feed	116.9	Restaurant= 370x70= 25900	
(iii)	Kitchen	22.2	Banquet= 1200x70= 84000	80% of 298180
(iv)	Laundry	22.9		
(v)	Swimming Pool	9.00		
(vi)	Horticulture / Gardening	24.10		
(vii)	Others	7.30		
	<b>Total Quantity</b>	306.00	298180	238544

\*- Based on data furnished by Unit

\*\* - Estimated as per Standards of CPHEEO, 1999 manual

**5. Waste Water Management**

**(a) Waste Water Treatment System**

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	Capacity (in KLD)	Type of Treatment & Technology used (Biological / Physicochemical Process)	Main Constituent Units	Status of ETP/STP (Operational/ Not Operational)
Effluent Treatment Plant (ETP)	--	---	---	---	--
Sewage Treatment Plant (STP)	Hotel	500 KLD	SBR Treatment	Equalization Tank, Aeration Tank etc.	<b>STP Operational</b>

- (b) Mode of Disposal of Treated Waste Water : Gardening etc.
- (c) Whether All Sections connected to ETP/STP : Yes
- (d) Whether Adequacy Report of ETP/STP submitted : Yes
- (e) Whether Effluent sample collected by DPCC lab during inspection : Yes
- (f) Whether ETP/STP is meeting the prescribed standards : No
- (g) Whether Flow Meter Installed at Inlet and Outlet of ETP/STP : **Yes**
- (h) Whether Separate Energy Meter provided for ETP/STP : **No**
- (i) Whether Log Book of ETP / STP is being maintained : **Yes**
- (j) ETP / STP Sludge generation : Quantity Not known..... Kg /day  
 Mode of Disposal : (i) **Used as Compost in Horticulture**
- (k) Reuse of Treated Waste Water : (i) Gardening / Horticulture 24.1 K Liters /day  
 (ii) Air Conditioning Plant / Cooling Tower - 98 K Liters /day  
 (iii) Boiler ..... Liters /day  
 (iv) Flushing (Toilets) 33 K Liters /day  
 (v) Any other ..... Liters /day  
**Total Quantity:** Liters /day

**6. Air Pollution Aspects**

S.No.	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	<b>Kitchen</b>	<b>02</b>	<b>PNG</b>	Hood and suction arrangement provided to channelize the kitchen emissions over terrace
2.	<b>Boiler</b>	<b>03 (3x850 Kg/hr.</b>	<b>PNG</b>	Adequate stack height
3.	<b>Diesel Generator(s)</b>	<b>4/1500 KVA</b>	<b>H.S.D</b>	Acoustic Enclosure and adequate stack height
4.	<b>Others</b>			

## 7. Waste Management

S. No.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Whether Proper Segregation is being done	Whether Proper Containers provided for storing the Waste	Whether Log Book for Waste generation and disposal is being maintained	Through Authorized Vendor (Copy of Authorization provided – Yes /No)(Name & Address of the Vendor)	Through Private Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the Vendor)
(i)	Municipal Solid Waste	600 kg/day (As Provided letter by the Concerned Unit) 680 kg Per day (Estimated peak generation)*	NO	NO	NO		M/s Yadav Contractor B-Block H. NO. 275 kutub Vihar
(ii)	Construction & Demolition Waste	No records made available					
(iii)	Domestic Hazardous Waste	No records made available					
(iv)	Hazardous Waste (Used /Waste Oil )	2880 KL /Annum	Yes		No	Bharat Oil & Grease co	
(v)	E-Waste	No records made available					
(vi)	Lead Acid Battery Waste	No records made available					
(vi)	Garden Waste	4 kg	No		No	Not provided	
(vii)	Recyclable Waste	No records made available					

\* Based on data furnished

\*\* Based on full occupancy + floating population figure adopted from SWM Manual 2000

## 8. Rain Water Harvesting System (RWHS)

: Yes 03 No.

## Observations/Comments of the inspection on 16.02.2017

HOTEL J.W. MARRIOTT is operating their Hotel at Asset No. 4 Aero City IGI Airport. The Hotel was inspected by Sub Committee-II on 16.02.2017. It was informed that hotel is having 523 rooms, 1 Banquet halls, and 2 Restaurant. Following are the observations of the team after discussion with officials of the Hotel who were present during inspection:

1. As informed by the unit, the unit was established in year 2013, Plot Area of the Hotel is 23865 m<sup>2</sup> and Built up Area is 90967.3 sq m<sup>2</sup>. Hotel is having Environmental Clearance issued on 20.7.2010.
2. Hotel is having valid Consent to Operate under Air and Water Act which is valid till 02.04.2018.
3. Water is procured from DIAL.

4. STP of capacity 500 KLD has been installed. STP is biological type with SBR Technology and was found operational. As per calculations of DJB, STP design capacity is more than the waste water generation during peak.
5. Flow meters were found installed at inlet and outlet of STP. No Separate energy meter for STP found installed.
6. Logbook of STP was found maintained.
7. The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is reused for air conditioning plant, in gardening purposes etc.
8. No information regarding quantum of sludge provided however it was informed that sludge is used for horticulture purposes.
9. One sample of effluent was taken at the inlet of STP and outlet of STP by DPCC lab. Results of the sample taken depicts that the Hotel is not meeting the effluent standards. The hotel needs to standardized the operation of their STP to meet the prescribed standards.
10. Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height. PNG fired boilers are existing with adequate stack height.

**Issues:-**

- Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- STP was not functioning to the desired level and requires proper maintenance.
- Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- Water is procured through DIAL who in turn gets water supply from DJB.
- The information/record with regarding to mass water balance is sketchy and considering huge waste water generation and limited requirement for gardening purposes and cooling tower requirement, option of supply free of cost to the adjoining green area of DIAL needs to be explored to meet the commitment of ZLD as stipulated in the EC.
- All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc. & operation of STP needs to be standardized, so that the uniformity can be maintained.