# 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

	4
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	Sh. Rohit Gupta (Dir.) 9810323286
Name and Telephone No.	
(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 Area26726.98 $M^2$ (ii) Built up Area 3327.67 $M^2$
2. Type of Establishment	Motel
(Bulk Waste Generator) (Main Activities /	No. of rooms -36
Units / Facilities (No of Rooms / Beds etc.)	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	<b>Yes</b> [Valid upto- 25.09.2019]

(d) Certificate from Fire Department **Regarding Fire Safety** 

#### 4. Water and Waste Water

(a) Source of Water Supply

Yes | Valid upto- 25.09.2019 |

: (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*	Peak Water Consumpti on/Requirement at full capacity**	Waste Water Generation at full capacity
		(in Liters /day)	(in Liters /day)	(in Liters /day)
(i)	Domestic	8000 ltr.	Rooms= 36x2x180=	
			12960	
(ii)	Air Conditioning /Cooling	1500 ltr.	1500 ltr. Restaurant= 58x70= 4060	
	Plant or Boiler Feed			
(iii)	Kitchen	4500 ltr. Banquet= $(900+400)x70=$		80% of 108020
			91000	
(iv)	Laundry	NA		
(v)	Swimming Pool	NA		
(vi)	Horticulture / Gardening	5000		
(vii)	Others			
	Total Quantity	19000	108020	86416

\*As per information furnished by the unit

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

# NGT\_SC-III - SDMC 5. Waste Water Management (a) Waste Water Treatment System

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

(b) Mode of Disposal of Treated W	aste Water	: Garde	ening Etc
(c) Whether All Sections connected	(c) Whether All Sections connected to STP		
(d) Whether Adequacy Report of ST	TP submitted	: Yes	
(e) Whether Effluent sample taken b	by DPCC laboratory	: Yes	
(f) Whether Effluent analysis report	t from DPCC lab	: Yes	
is Meeting the Prescribed Standa	ard:		
(g) Whether Flow Meter Installed at	t Inlet and Outlet of STF	<b>'</b> :	No
(h) Whether Separate Energy Meter	provided for STP	:	No
(i) Whether Log Book of ETP / ST	P 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 / Horti	culture	15000 ltr/day (As furnished)
	(ii) Air Conditioning P	lant / C	ooling Tower Liters /day
	(iii) Boiler		Liters /day
	(iv) Flushing (Toilets)		Liters /day
	(v) Any other		Liters /day
		Tot	tal QuantityLiters /day

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

NGT SC-II - SDMC 7. Waste Management	ŀ
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-	e Management				~	<b></b>	
S. N 0.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Proper Segregatio	Containe rs provided for storing the Waste	r Log Book for Waste generat ion and disposa l is being maintai ned	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 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)	Construction & Demolition Waste	No records made Available				Not Provided/ As per Contract Agreement	
(iii)	Domestic Hazardous Waste	No records made Available			No	Not Provided	
(iv)	Hazardous Waste (Used /Waste Oil)	No records made Available			No	Not Provided	
( <b>v</b> )	E-Waste	No records made Available			No	Not Provided	
(vi)	Lead Acid Battery Waste	No records made Available			No	Not Provided	
(vi)	Garden Waste	15 kg/day	No	No	No	Composting	
(vii)	Recyclable Waste	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) No of RWHS Pits- 12 (Partially Functional)

: Yes

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

- 1. 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.
- 2. The Motel is having valid Consent to Operate under Air and Water Act which is valid till **28.01.2019**.
- 3. Water is procured through one Borewell and having registration from CGWA for the same.
- 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 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).
- 5. Flow meters not installed at Inlet & outlet of STP. No separate energy meter provided for STP.

- NGT SC-II SDMC 0. 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**

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#### **1. General Information**

- (a) Name and Address of the Establishment: (Bulk Waste Generator)
- (b) Owner /Partner / Managing Director's
- Name and Telephone No.
- (c) Month & Year of Establishment
- (d) Name and Designation of the Person(s) Contacted at the site
- (e) Size of Premises (in Square Meter)

#### 2. Type of Establishment

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

#### 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

#### 4. Water and Waste Water

#### (a) Source of Water Supply

#### Date of Inspection: 08.02.2017

M/s Lilywhite Hotel Kh. No. 772, 773, 774 Village Chattarpur, Main Road Mrs. Harbans Kaur (Partner) Mr. Amir Khan (Sales G.M), 9899740776 July - 2010 Mr. Surender Singh Bhandari 8882222686 (i) Plot Area- 13488M<sup>2</sup> (ii) Built up Area- 3669 M<sup>2</sup>

Motel

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

#### **Not Applicable**

Yes [Valid upto- 12.06.2019] Yes [Valid upto- 31.03.2017] Yes [Valid upto- 17.03.2019]

: (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	Peak Water Consumpt	Waste Water Generation
		Consumption/	ion/Requirement at	at full capacity
		Requirement*	full capacity**	(in Liters /day)
		(in Liters /day)	(in Liters /day)	
(i)	Domestic	6675	Rooms = 19x2x180 =	
			6840	
(ii)	Air Conditioning /Cooling		Restaurant= 35x70=	
	Plant or Boiler Feed		2450	
(iii)	Kitchen	1950	Banquet= 650x70=	80% of 54790
			45500	
(iv)	Laundry			
(v)	Swimming Pool			
(vi)	Horticulture / Gardening	2500		
(vii)	Others			
	Total Quantity	11125	54790	43832

\*As per information furnished by the unit

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

#### NGT\_SC-II - SDMC 5. Waste Water Management

### (a) Waste Water Treatment System

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

: Gardening etc

: Yes

: Yes

: Yes

- (c) Whether All Sections connected to STP
- (d) Whether Adequacy Report of STP submitted
- (e) Whether Effluent sample taken by DPCC laboratory
- (f) Whether Effluent analysis report from DPCC lab : No (from DPCC Lab Dated 14.02.2017) 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 STP is being maintained
   (j) ETP / STP Sludge generation
   (j) Sludge observed during inspection
   (j) Sludge observed during inspection
   (j) Sludge 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	g Tower Liters /day
	(iii) Boiler	Liters /day
	(iv) Flushing (Toilets)	Liters /day
	(v) Any other	Liters /day
	Total Qu	uantityLiters /day

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

#### NGT SC-II - SDMC 7. Waste Management

S. N 0.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)		lanageme t the prei		Disposal Mechanism	
		••Estimateu (Kg/uay)	r Proper Segregat ion is being done	r Proper Contain ers provided for storing the Waste	Log Book for Waste generati on and	· ·	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					
( <b>v</b> )	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) No of RWHS Pits - 03 Nos (Non – Functional)

#### : Yes

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

- 1. 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.
- 2. The Motel is having valid Consent to Operate under Air and Water Act which is valid till **12.06.2019**.
- 3. Water is procured through one Borewell and not having Permission from DJB/CGWA for the same.
- 4. 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.
- 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. 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.
- 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 only.

- NGT SC-II SDMC . 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, Ewaste etc. & operation of STP is need to be standardized, so that the uniformity can be maintained.

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#### **1.** General Information

- (a) Name and Address of the Establishment (Bulk Waste Generator)
- (b) Owner /Partner / Managing Director's Name and Telephone No.
- (c) Month & Year of Establishment
- (d) Name and Designation of the Person(s) Contacted at the site
- (e) Size of Premises (in Square Meter)

#### 2. Type of Establishment

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

#### **3.** Status of Licenses

- (a) Environmental Clearance
- Not Applied for Consent to Operate (b) Consent under the Air & Water Acts 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
- (d) Certificate from Fire Department regarding Fire Safety

#### 4. Water and Waste Water

(a) Source of Water Supply

#### Date of Inspection: 08.02.2017

M/s G. K. Motel Pvt. Ltd. (Oodles Hotel) Kh. No. 759 - 762 Main Road Chattarpur, New Delhi-74 Mr. Satish Kapoor 011-26549700 Nov- 2013 Mr. Pallav Vishwas 9910001248 (i) Plot Area- 17746.6  $M^2$  (ii) Built up Area- 2600  $M^2$ 

#### Motel

# Room- 40, Banquet Hall- 02 (650 Persons)

Party Lawn – 01 (300 Persons), Restaurant – 01 (50 Persons)

#### Not Applicable

Yes [Valid upto- 31.03.2017] Yes [Valid upto- 08.06.2019]

: (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	Peak Water Consumpt	Waste Water Generation
	_	Consumption/	ion/Requirement at	at full capacity
		Requirement*	full capacity**	(in Liters /day)
		(in Liters /day)	(in Liters /day)	
(i)	Domestic	17565	Rooms = 40x2x180 =	
(ii)	Air Conditioning /Cooling		14400	
	Plant or Boiler Feed		Restaurant= 50x70=	
(iii)	Kitchen	4680	3500	80% of 84400
(iv)	Laundry		Party Lawn= 300x70=	
(v)	Swimming Pool		21000,	
(vi)	Horticulture / Gardening	5000	Banquet=650x70=	
(vii)	Others		45500	
	Total Quantity	27245	84400	67520

\*As per information furnished by the unit

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

#### NGT\_SC-II - SDMC 5. Waste Water Management

### (a) Waste Water Treatment System

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

- (b) Mode of Disposal of Treated Waste Water
- (c) Whether All Sections connected to STP
- (d) Whether Adequacy Report of STP submitted
- (e) Whether Effluent sample taken by DPCC laboratory
- (f) Whether Effluent analysis report from DPCC lab is Meeting the Prescribed Standard:
- (g) Whether Flow Meter Installed at Inlet and Outlet of STP
- (h) Whether Separate Energy Meter provided for STP
- (i) Whether Log Book of ETP / STP is being maintained
- (a) ETP / STP Sludge generation

Mode of Disposal

- : Gardening etc : Yes
- : No
- : Yes
- : No (from DPCC lab Dated 14.02.2017)
  - : No
    - : No
    - : No
- : 2.5 Kg/day (As furnished) however No Wet / Dry Sludge observed during inspection
- : 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

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

S. No.	Type of Waste	Quantity of Waste *Generated/ **Estimated	Waste Management System at the premises site			Disposal Mechanism	
		(Kg/day)	r Proper	Whethe r Proper Contain ers provide d for storing the Waste	r Log Book for Waste generat ion and	Authorized Vendor (Copy of Authorizatio n 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	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 no 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) (vii)	Garden Waste Recyclable	5 No records made	No	No	No		Compost
(11)	Waste	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) No of RWHS Pits- 01 (Not Functional)

: Yes

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

- 1. 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.
- 2. 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 Page 11 of 78

NGT SC-II - SDMC 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).

- NGT SC-II SDMC. 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 Ordersof 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 KudratSandhuVsGovt of NCT &Ors]

#### **1. General Information**

- (a) Name and Address of the Establishment: (Bulk Waste Generator)
- (b) Owner /Partner / Managing Director's Name and Telephone No.

(c) Month & Year of Establishment

(d) Name and Designation of the Person(s) Contacted at the site

(e) Size of Premises (in Square Meter)

#### 2. Type of Establishment

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

#### 3. Status of Licenses

(a) Environmental Clearance : Yes [Issued on 30.11.2015] Present built up area is 2890.69 m2 and EC obtained for redevelopment of Trillion Motel vide letter dated 30.11.2015 form SEIAA. As informed, proposed built-up area will be 35913.909 m2 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
- (d) Certificate from Fire Department

#### 4. Water and Waste Water

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

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

\* As per information furnished by the unit.

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

Date of Inspection: 09.02.2017

Jan-2011

Jagdish Aneja (Manager) Naveen Jha - 9560666002

Motels with Banquets

New Delhi-110074

9891011252

Mr. Ashwani Kumar Mehra (Director)

TRILLION MOTELS PVT. LTD.

Kh. No. 218/3/2, 22/3/2,219/1220, M.G. Road SultanPur

(i) Plot Area- 11719 M<sup>2</sup> (ii) Built up Area- 2890.69 M<sup>2</sup>

Yes [Valid upto 31.3.17]

Yes [Valid upto 16.10.19]

### 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	Main Constituen t Units	Status of ETP/STP (Operational/ Not Operational
Effluent Treatment Plant (ETP)			Process) 		
Sewage Treatment Plant (STP)	From Motel	28	Biological Treatment	O/G trap, Eq. tank, Aeration tank, Settling tank etc	Operational

: Gardening etc

: Yes

: Yes

(b) Mode of Disposal of Treated Waste Water

- (c) Whether All Sections connected to ETP/STP
- (d) Whether Adequacy Report of STP submitted
- (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

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

#### 7. Waste Management

S. N 0.	Type of Waste	Quantity of Waste *Generated/**Estim	Waste M the prem	lanagement lises site	t System at	Disposal Mechanism	
		ated (Kg/day)	Proper Segregati on is being	Proper Container s provided for storing	for Waste generation and	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)	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	available					
(vi) (vii)	Garden Waste Recyclable Waste	4.5 Kg. 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**

- 1. 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 form SEIAA. As informed, proposed built-up area will be 35913.909 m2 for redevelopment of Trillion Motel. Construction and Demolition work is proposed in Mar-2017.
- **2.** Motel is having valid Consent to Operate under Air and Water Act which is valid till 04.10.2017.
- **3.** 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 Ordersof 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	t: M/s UNIQUE INNOVATIONS PVT. LTD.
	(The Lutyens) 220 Min 221, 220/1, 223/2 225
(Bulk Waste Generator)	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	: Motel
(Bulk Waste Generator) (Main Activities /	No. of Room = 08, Banquet $(01)$ + Lawn $(01)$ =500 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- 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 (b) Water Consumption / Requirement and Waste Water Generation

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

	I		1			
Waste Water Treatment	Provided for	Capacity	Type of	N	Aain	Status of
System Provided	Treatment of	(in KLD)	Treatment& Te	ech C	Constitue	ETP/STP
	Waste Water		nology	n	t Units	(Operational
	Generated		used (Biologica	al /		/ Not
	from		Physicochemic	al		Operational
			Process)			-
Sewage Treatment Plant	From Motels	30	Biological	0	)/G trap,	Operational
(STP)			Process	E	Eq.tank,	-
				A	Aeration	
				t	tank,	
				S	lettling	
				ta	ank etc	
b) Mode of Disposal of Tre	eated Waste W	Vater	: Garden	ing et	с	
c) Whether All Sections co			: `	Yes		
d) Whether Adequacy Rep	ort of STP sub	mitted	: Yes			
e) Whether Effluent sample			ry : Yes			
) Whether Effluent analys			: Yes			
is Meeting the Prescribe	-					
g) Whether Flow Meter Ins		and Outlet of	of STP : N	lo		
h) Whether Separate Energ				lo		
Whether Log Book of E	• •					
· ·		8			ord provid	led
D ETP / STP Sludge gener	alion					
<ul> <li>ETP / STP Sludge gener</li> <li>Mode of Disposal</li> </ul>	auon				-	
Mode of Disposal	auon		: U	Jsed as	s Compos	t in Horticulture ot maintained

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 inadequat 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

			<b>XX</b> 7 / <b>X</b>	r		D1 11	
<b>S. N</b>	Type of Waste	Quantity of Waste			ent System	Disposal M	echanism
0.		*Generated/**Estimate	at the pr	emises sit	te		
		d (Kg/day)	Whethe	Whethe	Whether	Through	Through Private
						Authorized	Vendor (Copy
						Vendor (Copy	of Bill Provided
			ion is	ers		of Authorizatio	– Yes /No )
			being	provided	and	n provided –	(Name &
			done	for	disposal is	Yes /No)(Name	Address of the
				storing	being	& Address of	Vendor)
				the	maintaine	the Vendor)	
				Waste	d		
(i)	Municipal Solid	40 kg/day(As	No	No	No		Not Provided
	Waste	Provided					
		letter by the					
		Concerned					
		Unit) 65 kg					
		Per day (Estimated					
		peak generation)*					
(ii)	Construction &	No records made	No	No	No		
	Demolition Waste	Available					
(iii)	Domestic	No records made					
	Hazardous Waste	Available					
( <b>iv</b> )	Hazardous Waste	No records made					
	(Used /Waste Oil)						
( <b>v</b> )	E-Waste	No records made					
		Available					
(vi)	Lead Acid Battery						
	Waste	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- 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  $14851.96 \text{ m}^2$  and Built up Area is  $1733 \text{ sq m}^2$ . 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.

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

[W.R.T Ordersof 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 KudratSandhuVsGovt of NCT &Ors] Date of Inspection: 09.02.2017

#### **1. General Information**

(a) Name and Address of the Establishmer	nt: 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	: Mr. Praveen Aggarwal (Director)
Name and Telephone No.	0114099617
(c) Month & Year of Establishment	: 05.08.2011
(d) Name and Designation of the Person(s)	: Mr. Praveen Aggarwal
Contacted at the site	8527295755
(e) Size of Premises (in Square Meter)	: (i) Plot Area- 10661 $M^2$ (ii) Built up Area- 1371 $M^2$
2. Type of Establishment	: Motel
(Bulk Waste Generator) (Main Activities /	Room - 21 Nos., Lawn - 01 Nos. (400 Persons)
Units / Facilities (No of Rooms / Beds etc.)	Restaurant – 01 (46 Persons), Banquet Hall – 01 (60 Persons)
3. Status of Licenses	
(a) Environmental Clearance	Not Applicable

(a) Environmental Clearance	: Not Applicable
(b) Consent under the Air & Water Acts	: Yes [Valid upto 21.05.2019]

(c) Municipal Corporation License

(d) Certificate from Fire Department

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

: Yes [Valid upto- 31.03.2017]

: Yes [Valid upto- 09.02.2017]

S.No.	Purpose /Use	*Average Water	**Peak Water Consu	Waste Water Generation
		Consumption/	mption/Requirement	at full capacity
		Requirement	at full capacity	(in Liters /day)
		(in Liters /day)	(in Liters /day)	
(i)	Domestic	75000	Rooms = 21x2x180 =	
(ii)	Air Conditioning /Cooling	N.A.	7560	
	Plant or Boiler Feed		Restaurant= 46x70=	
(iii)	Kitchen	3000	3220	80% of 42980
(iv)	Laundry	N.A.	Banquet & Lawn= 460x70= 32200	
(v)	Swimming Pool	N.A.	+00x70=32200	
(vi)	Horticulture / Gardening	10500	]	
(vii)	Others	500		
	Total Quantity	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	Provided for	Capacity	Type of Treatment	Main	Status of ETP/STP
System Provided	Treatment of	(in KLD)	& Technology	Constituent	(Operational/ Not
	Waste Water		used (Biological /	Units	Operational
	Generated		Physicochemical Pr		
	from		ocess)		
Effluent Treatment Plant (ETP)					
Sewage Treatment Plant	From Motel	50	Biological	O/G trap,	Operational
(STP)			Process	Eq. tank,	
				Aeration	
				tank,	
				Settling	
	Wester 1	N		tank etc	
(b) Mode of Disposal of Th			U	, Horticulture	e, etc
(c) Whether All Sections c			: Yes		
(d) Whether Adequacy Rep			: Yes		
(e) Whether Effluent samp	•		•		
(f) Whether Effluent analy	-	DPCC lab	: Yes		
is Meeting the Prescrib					
(g) Whether Flow Meter In			· ·	y at outlet of	STP)
(h) Whether Separate Ener	•• •				
(i) Whether Log Book of I		eing maintai			
(j) ETP / STP Sludge gene	eration		-	per day as in	
Mode of Disposal				Compost in H	
			-	ecord not mai	
(j) Reuse of Treated Waste	e Water: (i) (	Gardening /	<b>Horticulture</b>	No	record provided

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

#### 7. Waste Management

S. N o.	Type of Waste	Quantity of Waste *Generated/**Estima	ed/**Estima at the premises site		Disposal Mechanism		
		ted (Kg/day)	r Proper Segregat ion is being done	Containe rs provided for storing	Log Book for Waste generation and disposal is	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
( <b>ii</b> )	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					
( <b>v</b> )	E-Waste	No records made available					
(vi)	Lead Acid Battery Waste	No records made available					
(vi) (vii)	Garden Waste Recyclable Waste	3 Kg/day No records made	No	No	No	Partial Compo	
	Recyclable waste	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**

- 1. 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.
- 2. Motel is having valid Consent to Operate under Air and Water Act which is valid till 21.05.2019.
- **3.** Water is procured through tankers without details of sourcing.
- **4.** 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.
- 5. No Flow meters installed at inlet of STP. No Separate energy meter for STP found installed.
- 6. 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 Ordersof 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 KudratSandhuVsGovt of NCT &Ors] Date of Inspection: 09.02.2017

#### **1. General Information**

(a) Name and Address of the Establishmen	t: Vista Hospitality Pvt. Ltd.
(Bulk Waste Generator)	162, M.G. Road Sultanpur, Delhi – 30
(b) Owner /Partner / Managing Director's	Mr. Gurpartap Singh (CMD)
Name and Telephone No.	
(c) Month & Year of Establishment	July - 2008
(d) Name and Designation of the Person(s)	Mr. Joy, 9811449349
Contacted at the site	Mr. Manish, 9718345467
(e) Size of Premises (in Square Meter)	(i) Plot Area- 3.25 Acre (ii) Built up Area
2. Type of Establishment	Motel
<b>2. Type of Establishment</b> (Bulk Waste Generator) (Main Activities /	Motel Rooms – 16, Banquets – 02 (300 Persons)
(Bulk Waste Generator) (Main Activities /	Rooms – 16, Banquets – 02 (300 Persons)
(Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.)	Rooms – 16, Banquets – 02 (300 Persons)
<ul><li>(Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.)</li><li>3. Status of Licenses</li></ul>	Rooms – 16, Banquets – 02 (300 Persons) Lawn – 01 (400 Persons), Restaurant – 02 (72 Persons)

## 4. Water and Waste Water

(d) Certificate from Fire Department

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

**Yes** [Valid upto- 10.02.2018]

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

\* As per information furnished by the unit.

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

5.	Waste	Water	Management
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(a) Waste Water Treatment System	m
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Wester Wester Treestore and	D	Constant	T	Main	Ctata a f	
Waste Water Treatment	Provided for	Capacity	Type of	Main	Status of	
System Provided	Treatment of	(in KLD)	Treatment& Techno			
	Waste Water		logy	t Units	(Operational/	
	Generated		used (Biological /		Not	
	from		Physicochemical Pr		Operational	
			ocess)			
Effluent Treatment Plant (ETP)						
Sewage Treatment Plant	From Motels	25	Biological	O/G trap,	Operational	
(STP)			Process	Eq. tank,		
				Aeration		
				tank,		
				Settling		
				tank etc		
(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						
						) Whether Separate Energy
) Whether Log Book of E						
) ETP / STP Sludge gene		ing maintai		y. No recor	d provided	
	lation		v	•	1	
Mode of Disposal : Used as Compost in Horticulture						
					lo record provid Liters /d	
	$(\cdots)$				L iters /d	
	• •	Cooling Tow				
	(iii) I	Boiler			Liters /d	
	(iii) ] (iv) ]	Boiler Flushing (To			Liters /d Liters /d	
	(iii) ] (iv) ] (v) 4	Boiler	pilets)		Liters /d Liters /d Liters /d Liters /d	

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

#### 7. Waste Management

<b>S.</b> N	Type of Waste	Quantity of Waste		anagemen	t System	Disposal Mee	chanism
0.		*Generated/**Estima ted (Kg/day)	at the pre				
		( <b>1g</b> , ang)		Whether			Through Private
					0	Authorized	Vendor (Copy
						Vendor (Copy	of Bill Provided
			on is	rs		of Authorization	– Yes /No )
			being	-	0	provided –Yes	(Name &
			done	for		/No)(Name &	Address of the
						Address of the	Vendor)
				the Waste	0		
					maintain		
					ed		
(i)	Municipal Solid	20 kg/day (As	No	No	No		Not Provided
	Waste	Provided					
		letter by the					
		Concerned					
		Unit) 93.20 kg					
		Per day (Estimated					
(**)		peak generation)*					
(ii)	Construction &	No records made					
(•••)	Demolition Waste	available					
(iii)	Domestic	No records made					
(• )	Hazardous Waste	available					
(iv)	Hazardous Waste	No records made					
()	(Used /Waste Oil )						
( <b>v</b> )	E-Waste	No records made					
	T 1 A 'ID //	available					
(vi)	Lead Acid Battery						
	Waste	available	NT	NT.	NT		
(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**

- 1. 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.
- 2. Motel is having valid Consent to Operate under Air and Water Act which is valid till 03.09.2019.
- 3. Water is procured from 1 Bore well. Permission from DJB/ CGWA for the same could not be provided.
- 4. 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

[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 Establishme	nt: M/s Zorba Entertainment Pvt. Ltd.
(Bulk Waste Generator)	166, M.G. Road, Sultanpur, New Delhi
(b) Owner /Partner / Managing Director's	: Mr. Ranjan Chopra, 9810008000
Name and Telephone No.	Mr. Deepak Rai
(c) Month & Year of Establishment :	Feb 2011
(d) Name and Designation of the Person(s)	: Mr. Ranjan Chopra (MD)
Contacted at the site	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	: Party Lawn/Event Management
(Bulk Waste Generator) (Main Activities /	Maximum Gathering- 225 (Persons)
Units / Facilities (No of Rooms / Beds etc.)	
3. Status of Licenses	
(a) Environmental Clearance :	Not Applicable
(b) Consent under the Air & Water Acts	: Not Applied for Consent

(c) Municipal Corporation License

(d) Certificate from Fire Department

: Yes [Valid upto- 19.12.2017 for holding social Function] : 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	**Peak Water Consu	Waste Water Generation
		Consumption/	mption/Requirement	at full capacity
		Requirement	at full capacity	(in Liters /day)
		(in Liters /day)	(in Liters /day)	
(i)	Domestic	N. A.		
(ii)	Air Conditioning /Cooling	N. A.	225x70 = 15,750	80 % of 15,750= 12400
	Plant or Boiler Feed			
(iii)	Kitchen	300 ltr		
(iv)	Laundry	N. A.		
(v)	Swimming Pool	N. A.		
(vi)	Horticulture / Gardening	200 ltr		
(vii)	Others	N. A.		
	Total Quantity	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& Techno logy used (Biological / Physicochemical Pr ocess)	Main Constituen t Units	Status of ETP/STP (Operational/ Not Operational	Remarks (If any)
	Effluent Treatment Plant (ETP)	No ETP / ST	P installed				
	Sewage Treatment Plant No ETP / STP installed (STP)						
(c (d (e (f) (g	<ul> <li>(b) Mode of Disposal of Untreated Effluent Waste Water</li> <li>(c) Whether All Sections connected to ETP/STP</li> <li>(d) Whether Adequacy Report of STP submitted</li> <li>(e) Whether Effluent sample taken by DPCC laboratory</li> <li>(f) Whether Effluent analysis report from DPCC lab is Meeting the Prescribed Standard:</li> <li>(g) Whether Flow Meter Installed at Inlet and Outlet of ST installed</li> </ul>			is disposed t : No ETP / S : No ETP / S ory : No is : N. A. Since durin of STP : N. A., Since	hrough tanl STP installe STP installe e no sample ing inspection ce no ETP /	ker to unknow ed d e was taken on. / STP	
(i) (j)	<ul> <li>(h) Whether Separate Energy Meter provided for STP</li> <li>(i) Whether Log Book of ETP / STP is being maintained</li> <li>(j) ETP / STP Sludge generation</li> <li>(k) Mode of Disposal</li> </ul>			ned : N. A., Sind : N. A., Sind : Stored in a	ce no ETP / ce no ETP / undergroun	STP installed STP installed STP installed STP installed sump and ker to Unknow	1. I

S.No.	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	Kitchen	1	0.000	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. N       Type of Waste       Quantity of Waste       Waste Management System at the premises site       Disposal Mechan the premises site         o.       **Estimated (Kg/day)       **Estimated (Kg/day)       Whethe proper Containe System at the premises site       Disposal Mechan Through Authorized Vendor (Copy Vendor (Copy Segregars generation of Authorizatio (Cop Segregars generation is provided and disposal n provided – Bill being for the Waste       Through Authorized Vendor (Copy Vendor (Copy Segregars generation of Authorizatio (Cop Vendor (Copy Vendor (Cop) Vendor (Copy Vendor (	ism		
(i)       Municipal Solid Waste       (22.5 kg Per day (Estimated peak generation)**       No       No       No       No       No       No         (ii)       Construction & Demolition Waste       No records made available       No records made available       No       No       No       No       No         (iv)       Hazardous Waste       No records made available       No records made available<	Disposar Wittenamism		
(Kg/day)       (Kg/day)       Whethe Whether r Proper Proper Containe Waste       Through Authorized       Through Privation         (Kg/day)       (Kg/day)       (Kg/day)       Proper Containe Waste       Waste       Vendor (Copy Vendor (Copy Vendor (Copy of Authorization (Cop) of Authorization         Segregars       generation is provided       and disposal is being maintained       n provided –       Bill         done       storing the Waste       Yes /No)(Name Provided Privation (Copy Vendor			
rProper ProperBook for MathorizedAuthorized PrivationPrivation Vendor (Copy of AuthorizatioVendor (Copy Segregarsgeneration is being for doneand disposal is being maintainedProvided – Bill 			
Segregars tion is being donegeneration and disposal is being maintained the Wasteof Authorizatio n provided – Yes /No)(Name & Address of the Vendor)(Cop Bill Provided – Yes /No)(Name & Address of the Vendor)(i)Municipal Solid Waste(22.5 kg Per day (Estimated peak generation)**NoNoNoThey hired perso dump waste(ii)Construction & Demolition WasteNo records made availableNoNoNoThey hired perso dump waste(iii)Domestic Hazardous Waste (Used /Waste Oil)No records made availableImage: Construction is availableNo records made availableImage: Construction is availableImage: Construction is perso dump waste(iv)Hazardous Waste Used /Waste Oil)No records made availableImage: Construction is availableImage: Construction is perso dump is perso dump is dump is dump is dump is dump is dump is dump is dump is dump is dump is dump is dump is			
tion is being doneprovided for storing maintainedn provided – Yes /No)(Name % Address of the Vendor)Bill Provided (Name Address of the Vendor)(i)Municipal Solid Waste(22.5 kg Per day (Estimated peak generation)**NoNoNoNo(ii)Construction & Demolition WasteNo records made availableNo records made availableImage: construction & No records made availableNo records made availableImage: construction & No records made Availabl			
is being donefor storing maintainedis being maintainedYes /No)(Name & Address of the Vendor)Provi Yes / (Name Address of the Vendor)(i)Municipal Solid Waste(22.5 kg Per day (Estimated peak generation)**NoNoNoNo(ii)Construction & Demolition WasteNo records made availableNoNoNoNo(iii)Domestic Hazardous WasteNo records made availableNo records made availableNo records made availableNo records made availableNo records made available(iv)Hazardous Waste Used /Waste OilNo records made availableNo records made availableNo records made availableNo records made available(v)E-WasteNo records made availableNo records made availableNo records made availableNo records made availableNo records made available	/ of		
Image: construction & Demolition WasteNo records made availableNo records made availableImage: construction & co			
initial construction & Demolition WasteNo records made availableNo records made availableNo records made availableInitial construction & construction			
(i)Municipal Solid Waste(22.5 kg Per day (Estimated peak generation)**NoNoNoNo(ii)Construction & Demolition WasteNo records made availableNoNoNoMCE Dhala(iii)Construction & Demolition WasteNo records made availableImage: Construction & Addition of the state of the stateImage: Construction & Addition of the state of the stateImage: Construction & Addition of the state of the state(iii)Construction & Demolition WasteNo records made availableImage: Construction & Addition of the state of the stateImage: Construction & Addition of the state of the state(iii)Domestic Hazardous Waste (Used /Waste Oil)No records made availableImage: Construction of the state of the stateImage: Construction of the state of the state(v)E-WasteNo records made availableImage: Construction of the state of the stateImage: Construction of the state of the stateImage: Construction of the state of the state(v)E-WasteNo records made availableImage: Construction of the state of the stateImage: Construction of the state of the stateImage: Construction of the state of the state(v)E-WasteNo records made availableImage: Construction of the state of the stateImage: Construction of the state of the stateImage: Construction of the state of the state(v)E-WasteNo records made availableImage: Construction of the state of the stateImage: Construction of the	,		
Image: construction & Demolition WasteNo records made availableNo records made availableImage: construction & No records made availableImage: cons			
(i)Municipal Solid Waste(22.5 kg Per day (Estimated peak generation)**NoNoNoThey hired perso dump waste MCE(ii)Construction & Demolition Waste Hazardous Waste (iii)No records made availableImage: Construction & availableNo records made availableImage: Construction & MCE Dhala(iii)Domestic Hazardous Waste (Used /Waste Oil)No records made availableImage: Construction & MCE MCE MCE Dhala(iv)Hazardous Waste AvailableNo records made availableImage: Construction & MCE 			
Waste       Per day (Estimated peak generation)**       hired person dump waste         peak generation)**       No records made       MCD Dhala         (ii)       Construction & No records made available       No records made       Per day (Estimated person dump waste         (iii)       Domestic       No records made available       Per day (Estimated person dump waste       Per day (Estimated person dump waste         (iii)       Domestic       No records made available       Per day (Estimated person dump waste       Per day (Estimated person dump waste         (iii)       Domestic       No records made available       Per day (Estimated person dump waste       Per day (Estimated person dump waste         (iv)       Hazardous Waste       No records made duvide       Per day (Estimated person dup waste       Per day (Estimated person dup waste         (v)       E-Waste       No records made       Per day (Estimated person dup waste       Per day (Estimated person dup waste         (v)       E-Waste       No records made       Per day (Estimated person dup waste       Per day (Estimated person dup waste       Per day (Estimate dup waste         (v)       E-Waste       No records made       Per day (Estimate dup waste       Per day (Estimate dup waste	endor)		
peak generation)**       peak generation)**       person dump waste         (ii)       Construction & No records made       MCD         (iii)       Demolition Waste       available       Dhala         (iii)       Domestic       No records made       Person         (iv)       Hazardous Waste       No records made       Person         (iv)       Hazardous Waste       No records made       Person         (v)       E-Waste       No records made       Person         (v)       E-Waste       No records made       Person			
(ii)       Construction & No records made available       Image: Construction & No records made available       Image: Construction & No records made available       Image: Construction & Constr			
(ii)       Construction & No records made available       waste available         (iii)       Domestic No records made available       more cords made available         (iv)       Hazardous Waste available       more cords made available         (iv)       Hazardous Waste No records made available       more cords made available         (iv)       Hazardous Waste No records made available       more cords made available         (v)       E-Waste       No records made			
(ii)       Construction & No records made available       MCE Dhala         (iii)       Demolition Waste available       No records made available       MCE Dhala         (iii)       Domestic No records made available       No records made available       MCE Dhala         (iii)       Domestic No records made available       No records made available       MCE Dhala         (iv)       Hazardous Waste No records made (Used /Waste Oil) available       No records made       MCE Dhala         (v)       E-Waste       No records made       MCE Dhala			
(ii)       Construction & No records made available       Demolition Waste       Demolition Waste       No records made available         (iii)       Domestic       No records made available       No records made available       No records made available         (iv)       Hazardous Waste No records made (Used /Waste Oil) available       No records made available       No records made available         (v)       E-Waste       No records made       No records made       No records made			
(ii)       Construction & No records made available       No records made available         (iii)       Domestic       No records made available       No records made available         (iv)       Hazardous Waste (Used /Waste Oil) available       No records made available       Image: Construction of the second seco			
Demolition Waste       available         (iii)       Domestic       No records made         Hazardous Waste       available         (iv)       Hazardous Waste       No records made         (Used /Waste Oil)       available       Image: Control of the second	0		
(iii)       Domestic Hazardous Waste       No records made available         (iv)       Hazardous Waste (Used /Waste Oil)       No records made available         (v)       E-Waste       No records made			
Hazardous Waste       available         (iv)       Hazardous Waste       No records made         (Used /Waste Oil)       available         (v)       E-Waste       No records made			
(iv)       Hazardous Waste (Used /Waste Oil)       No records made available         (v)       E-Waste       No records made			
(Used /Waste Oil)       available         (v)       E-Waste       No records made			
(v) E-Waste No records made			
available			
(vi) Lead Acid Battery No records made			
Waste     Available			
(vi)     Garden Waste     3 kg/day     No     No     No			
(vi) Garden waste 5 kg/day no no no provided			
(vii) Recyclable Waste 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

[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		L L
(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) 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 Waste Water Generation

127540

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

\*- Based on data furnished by Unit

**Total Quantity** 

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

102032

# 5. Waste Water Management (a) Waste Water Treatment System

Waste Water Treatment	Provided for	Capacity	Type of	Main	Status of ETP/STP	
System Provided	Treatment of	(in KLD)	Treatment& Techno	Constituen	(Operational/ Not	
	Waste Water		logy	t Units	Operational	
	Generated		used (Biological /			
	from		Physicochemical Pr			
			ocess)			
Effluent Treatment Plant						
(ETP)						
Sewage Treatment Plant	Motel	35	Biological	O/G trap,	Operational	
(STP)				Eq. tank,		
				Aeration		
				tank,		
				Settling		
	. 1/	1 337 / 337		tank etc		
b) Mode of Disposal of The				ardening etc	2	
(c) Whether All Sections c				les		
d) Whether Adequacy Rej	-			Yes		
e) Whether Effluent samp				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 Ener				No		
i) Whether Log Book of l	ETP / STP is be	eing maintai	ined : Y	Yes		
j) ETP / STP Sludge gene	eration		: Quant	ity 5 Kg /da	ıy	
Mode of Disposal			: (	i) Used as (	Compost in Horticultu	
(k) Reuse of Treated Waste	e Water :(i) Ga	rdening / Ho	orticulture	1000	00 Liters /day	
	(ii) <i>A</i>	Air Conditic	ning Plant / Cooling	g Tower Ni	l Liters /day	
		Boiler			00 Liters /day	
	· · · ·	Flushing (T	oilets)		00 Liters /day	
	. ,	Any other	/		00 Liters /day	
	())		Total Or		7000 Liters /day	
- Dollation Agnosts					Liters , aug	

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 over terrace
2.	Boiler	02	HSD	Adequate stack height
3.	Diesel Generator(s)	02-500 & 750 KVA	HSD	Acoustic Enclosure and adequate stack height
4.	Others			

#### 7. Waste Management

S. N 0.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			Proper Segregation n is being done	provided for	Waste generatio n and disposal	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					
( <b>v</b> )	E-Waste	No records made available					
(vi)	Lead Acid Battery Waste	No records made available					
(vi) (vii)	Garden Waste Recyclable Waste	<b>10kg/day</b> No records made available	No	No	No	Not Provided	

\* 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  $29000 \text{ m}^2$  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.

#### 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]

#### **1. General Information**

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
(Bulk Waste Generator)	Resorts Pvt. Ltd.) Kh. No. 5, 6, 7, 8, 9, 10, 11, and 14,
	Village Shahoorpur Chattarpur, New Delhi
(b) Name and Telephone No.	Sh. Balram Thakur, 9313113157
(c) Month & Year of Establishment :	
(d) Name and Designation of the Person(s) Contacted at the site	: Sh. Rohit Sapra
(e) Size of Premises (in Square Meter)	: (i) Plot Area- 25000 sqm (Appx.)
2. Type of Establishment	: Motel
(Bulk Waste Generator) (Main Activities /	No. of Room – 43, Restaurant – 01 (90 Persons)
Units / Facilities (No of Rooms / Beds etc.)	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]
	Yes [Valid upto- 31.03.2013
	Yes
	165
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	Peak Water Consumpt	Waste Water Generation
	_	Consumption/	ion/Requirement at	at full capacity
		Requirement	full capacity	(in Liters /day)
		*(in Liters /day)	**(in Liters /day)	
(i)	Domestic	8000-10000	Rooms=43x2x180=	
(ii)	Air Conditioning /Cooling		15480	
	Plant or Boiler Feed		Restaurant= 90x70=	
(iii)	Kitchen		6300	80% of 63780
(iv)	Laundry		Banquet= 600x70=	
(v)	Swimming Pool		42000	
(vi)	Horticulture / Gardening			
(vii)	Others			
	Total Quantity		63780	51024

\*- Based on data furnished by 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& Tech nology 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	Operational

(b) Mode of Disposal of Treated/untreated Waste Wate	er
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- (c) Whether All Sections connected to ETP/STP
- (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
    Mode of Disposal
    (i) Used as Compost in Horticulture
  - (k) Reuse of Treated Waste Water :
- (i) Gardening

: Gardening etc

: Yes

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

#### 7. Waste Management

S. N o.	Type of Waste	Quantity of Waste *Generated/	Waste Management System at the premises site			Disposal Mechanism	
		**Estimated (Kg/day)	Proper Segregati on is being done	Proper Containe rs provided	Book for Waste generatio n and disposal	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
( <b>ii</b> )	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	
( <b>v</b> )	E-Waste	No record available					
(vi)	Lead Acid Battery Waste	No record available					
(vi) (vii)	Garden Waste Recyclable Waste	10 kg/day No record available	No	No	No	Not Provided	

\* 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 VIII. 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  $25000 \text{ m}^2$ . 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	: DEEPAK MALHOTRA
Name and Telephone No.	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- $3013.78 \text{ M}^2$
2. Type of Establishment	: Motel
(Bulk Waste Generator) (Main Activities /	Rooms – 23, Restaurant- 01 (48 Persons)
Units / Facilities (No of Rooms / Beds etc.)	: Banquet Hall- 01, Lawn- 01, (450 Persons)
<b>3. Status of Licenses</b> (a) Environmental Clearance : <b>Not App</b>	licable
(b) Consent under the Air & Water Acts	• <b>Ves</b> [Valid upto 23 11 2021 ]

(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	Peak Water Consumpt	Waste Water Generation
		Consumption/	ion/Requirement at	at full capacity
		Requirement	full capacity	(in Liters /day)
		*(in Liters /day)	**(in Liters /day)	
(i)	Domestic	25000 ltr./day	Rooms = 23x2x180 =	
(ii)	Air Conditioning /Cooling	-	8280	
	Plant or Boiler Feed		Restaurants= 48x70=	
(iii)	Kitchen	9800 ltr/day	560	80% of 40340
(iv)	Laundry	nil	Banquet= 450x70=	
(v)	Swimming Pool	nil	31500	
(vi)	Horticulture / Gardening	2000 ltr	]	
(vii)	Others			
	Total Quantity	11800	40340	32272

\*- Based on data furnished by Unit

## 5. Waste Water Management (a) Waste Water Treatment System

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

(b) Mode of Disposal of Treated Water	: Gardening etc
(c) Whether All Sections connected to ETP/ <b>STP</b>	: Yes
(d) Whether Adequacy Report of ETP/STP submitted	: Yes
(e) Whether Effluent sample collected by DPCC Lab during	g inspection : Yes
(f) Whether ETP/STP is meeting the prescribed standards	: Yes
(g) Whether Flow Meter Installed at Inlet and Outlet of ETH	P/STP : No
(h) Whether Separate Energy Meter provided for ETP/STP	: <b>No</b>
(i) Whether Log Book of ETP / <b>STP</b> is being maintained	: <b>No</b>
(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

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			
3.	Diesel Generator(s)	2 (125 and 20	HSD	Acoustic Enclosure and adequate stack height
4.	Others			

#### 7. Waste Management

S. N o.	Type of Waste	Quantity of Waste	Waste Ma the premis	0	System at	Disposal Me	chanism
		*Generated/ **Estimated (Kg/day)	Proper Segregatio n is being done	Container s provided for storing	Log Book for Waste generatio n and disposal is being maintain	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	ed Yes		Not provided
( <b>ii</b> )	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					
( <b>v</b> )	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:

 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]

#### 1 Conoral Information

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

#### 3. Status of Licenses

- (a) Environmental Clearance :
- (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

Not Applicable

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

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

\*- Based on data furnished by Unit

#### NGT\_SC-III - SDMC 5. Waste Water Management

### (a) Waste Water Treatment System

Waste Water Treatment	Provided for	Capacity	Type of	Main	Status of
System Provided	Treatment of	(in KLD)	Treatment& Techn	Constitue	ETP/STP
	Waste Water		ology	nt Units	(Operational/
	Generated		used (Biological /		Not
	from		Physicochemical Pr		Operational
			ocess)		
Effluent Treatment Plant (ETP)					
Sewage Treatment Plant (STP)	Motel Premises	40 KLD	Biological	Collection Tank, Aeration Tank, Settling Tank	Operational
				Etc.	

(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 i	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

S.No.	Source of Air Pollution	No and	Fuel Used	Pollution Control Measures
		Capacity		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	Diesel	Acoustic Enclosure
		and 250		and adequate stack height
		KVA)		
4.	Others			

		**Estimated (Kg/day)	Whether Proper Segregati on is being done	Whether Proper Containe rs provided for storing	her Log Book	Through Authorized Vendor (Copy of Authorization provided –Yes	Through Private Vendor (Copy of Bill Provided – Yes /No )
				the Waste	gener	/No)(Name & Address of the Vendor)	(Name & Address of the Vendor)
	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.
· /	Construction & Demolition Waste	No records made available					
· /	Domestic Hazardous Waste	No records made available					
~ ~	Hazardous Waste (Used /Waste Oil )	No records made available					
( <b>v</b> )	E-Waste	No records made available					
× /	Lead Acid Battery Waste	No records made available					
< /	Garden Waste Recyclable Waste	5 kg/day No records made	No	No	No	Not Provided	

\* 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 Page 48 of 78

NGT SC-II - SDMC 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]

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 :	Mr. Nipun Sakhuja
Name and Telephone No.	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	: Motel
(Bulk Waste Generator) (Main Activities /	Room- 34 No., Banquet hall- 01 (80 Persons)
Units / Facilities (No of Rooms / Beds etc.)	Restaurant- 01 (34 Persons), Lawn – 01 (500 Persons)
3. Status of Licenses	
	Not Applicable
(a) Environmental Clearance	: Not Applicable
(b) Consent under the Air & Water Acts	: Yes [Valid upto- 19.03.2017]
	Valid upto-31.03.2017]
(d) Certificate from Fire Department : Yes regarding Fire Safety	[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]

Date of Inspection: 13.02.2017

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

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

\*- Based on data furnished by Unit

### (a) Waste Water Treatment System

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

(b) Mode of Disposal of Treated Waste Water : Gardening	ng 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 / Horticult	ture <b>15000 to 30000</b> Liters /day
(ii) Air Conditioning Pla	ant / Cooling Tower Liters /day

	Total Quantity: 15-30000 Liters /day
(v) Any other	Liters /day
(iv) Flushing (Toilets)	Liters /day
(iii) Boiler	Liters /day
(II) All Collainoning I fail	it / Cooling Tower Liters /day

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	-		

#### NGT SC-II - SDMC 7. Waste Management

S. N 0.	N Type of Waste Quantity of Waste *Generated/ **Estimated		Waste Management System at the premises site			Disposal Mechanism	
		(Kg/day)	r Proper	Proper Container s provided for	Waste generatio n and	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					
( <b>v</b> )	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) No of RWHS Pits- 04

: Yes

#### **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

NGT SC-II - SDMC 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

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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	: Mr. Vipul Chadha
Name and Telephone No.	011-66066100
(c) Month & Year of Establishment :	April- 2011
(d) Name and Designation of the Person(s)	: Sh. Sachin Dhingra (GM)
Contacted at the site	8527894949
(e) Size of Premises (in Square Meter)	: (i) Plot Area-19399 Sqmtr.(ii) Built up Area- 2921.87 Sqmtr.
2. Type of Establishment	: Motel
<b>2. Type of Establishment</b> (Bulk Waste Generator) (Main Activities /	: Motel Rooms – 37 No., Banquet hall – 02 (550 Persons)
(Bulk Waste Generator) (Main Activities /	Rooms – 37 No., Banquet hall – 02 (550 Persons)
(Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.)	Rooms – 37 No., Banquet hall – 02 (550 Persons)
<ul><li>(Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.)</li><li>3. Status of Licenses</li></ul>	Rooms – 37 No., Banquet hall – 02 (550 Persons) Restaurant- 01 (50 Persons), Lawn – 01 (600 Persons)
<ul> <li>(Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.)</li> <li><b>3. Status of Licenses</b> <ul> <li>(a) Environmental Clearance :</li> <li>(b) Consent under the Air &amp; Water Acts</li> </ul> </li> </ul>	Rooms – 37 No., Banquet hall – 02 (550 Persons) Restaurant- 01 (50 Persons), Lawn – 01 (600 Persons) Not Applicable

#### 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	Peak Water Consumpt	Waste Water Generation
		Consumption/	ion/Requirement at	at full capacity
		Requirement	full capacity	(in Liters /day)
		*(in Liters /day)	**(in Liters /day)	
(i)	Domestic	20925	Rooms = 37x2x180 =	
			13320	
(ii)	Air Conditioning /Cooling	6000	Restaurant= 50x70=	
	Plant or Boiler Feed		3500	
(iii)	Kitchen	13975	Banquet=	80% of 97320
			(550+600)x70= 80500	
(iv)	Laundry			
(v)	Swimming Pool			
(vi)	Horticulture / Gardening	2000		
(vii)	Others			
	Total Quantity	42900	97320	77856

\*- Based on data furnished by Unit

# NGT\_SC-III - SDMC 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& Tech nology used (Biological / Physicochemical P rocess)	Main Constituent Units	Status of ETP/STP (Operation al/ Not Operationa l
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/S	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	: Quantity2 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

S.No	Source of Air Pollution	No and	Fuel Used	Pollution Control Measures
		Capacity		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			

#### NGT SC-II - SDMC 7. Waste Management

S. N       Type of Waste       Quantity of Waste       Waste Management       Disposal Me         o.       **Generated/**Estimate       System at the premises       Site       Disposal Me         d (Kg/day)       Whethe       Whethe       Wheth       Through         r Proper       Proper       er Log       Authorized         Segregat       Containe       Book       Vendor (Copy         ion is       rs       for       of Authorization         being       provided       Waste       provided –Yes         done       for       genera       Address of the         Vendor)       dispos       al is       being         maint       ained       being       maint	Through Private Vendor (Copy of Bill Provided
d (Kg/day) site Whethe Whether Wheth Through r Proper Proper Proper er Log Authorized Segregat Containe Book Vendor (Copy ion is rs for of Authorization being provided Waste provided –Yes done for genera/No)(Name & storing tion Address of the the Wasteand Vendor) dispos al is being maint	Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the
Whethe       Whether       Wheth Through         r Proper       Proper       er Log       Authorized         Segregat       Containe       Book       Vendor (Copy         ion is       rs       for       of Authorization         being       provided       Waste       provided –Yes         done       for       genera/No)(Name &       storing       tion         storing       tion       Address of the       the Waste and       Vendor)         dispos       al is       being       maint	Vendor (Copy of Bill Provided – Yes /No ) (Name & Address of the
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ained	
(i)Municipal Solid40 kg/dayNoNoYes	M/s HRA –E
Waste   (As Informed	Waste Pvt.
verbally During	Ltd.(Agreemen
inspection) 157 kg	t not provided)
Per day (Estimated	
peak generation)*	
(ii) Construction & No records made	
Demolition Waste available	
(iii) Domestic No records made	
Hazardous Waste available	
(iv) Hazardous Waste No records made	
(Used /Waste Oil ) available	
(v)     E-Waste     No records made	
available	
(vi) Lead Acid Battery No records made	
Waste   available	
(vi)Garden Waste5 Kg/dayNoNoNoNot 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- 02, No Document Attached

#### : Yes

#### **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, 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 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.

NGT SC-II - SDMC 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, Ewaste 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: 13.02.2017

	Dute of inspection, 10.02.2017
<ul> <li>1. General Information</li> <li>(a) Name and Address of the Establishment: (Bulk Waste Generator)</li> </ul>	M/s Radiance Motel, 268/2, 267, 270, 271/2 Satbari, Chattarpur, New Delhi-74
<ul> <li>(b) Owner /Partner / Managing Director's Name and Telephone No.</li> <li>(c) Month &amp; Year of Establishment :</li> <li>(d) Name and Designation of the Person(s) Contacted at the site</li> <li>(e) Size of Premises (in Square Meter)</li> </ul>	<ul> <li>Aslish Mohan Kalra (Partner)</li> <li>20/01/2016</li> <li>Sh. Vikas Bhasin 9711621901</li> <li>(i) Plot Area- 13826 M<sup>2</sup>.(ii) Built up Area- 2737 Sqmtr</li> </ul>
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)
<ul> <li>3. Status of Licenses</li> <li>(a) Environmental Clearance</li> <li>(b) Consent under the Air &amp; Water Acts</li> <li>(c) Municipal Corporation License : Yes</li> </ul>	: Not Applicable : No -Applied for Consent to Establish on 12.03.2017 [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	Peak Water Consumpt	Waste Water Generation
		Consumption/	ion/Requirement at	at full capacity
		Requirement	full capacity	(in Liters /day)
		*(in Liters /day)	**(in Liters /day)	
(i)	Domestic	500	Rooms = 7x2x180 =	
(ii)	Air Conditioning /Cooling		2520	80% of 55020
	Plant or Boiler Feed		Banquet=	
(iii)	Kitchen	100	(250+500)x70= 52500	
(iv)	Laundry			
(v)	Swimming Pool			
(vi)	Horticulture / Gardening			
(vii)	Others	100		
	Total Quantity	700	55020	44016

\*- 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	Provided for	Capacity	Type of	Main	Status of
System Provided	Treatment of	(in KLD)	Treatment& Techno	Constituent	ETP/STP
	Waste Water		logy	Units	(Operational/
	Generated		used (Biological /		Not Operational
	from		Physicochemical Pr		
			ocess)		
Effluent Treatment Plant					
(ETP)					
Sewage Treatment Plant	Motel	25	Biological	Collection	Operational
(STP)				Tank, O& G	
				trap, Tube	
				Settler etc	
(b) Mode of Disposal of Tr			Gardening etc		
(c) Whether All Sections c			: Yes		
(d) Whether Adequacy Rep			: No		
(e) Whether Effluent samp					
(f) Whether ETP/STP is m					
(g) Whether Flow Meter In					
(h) Whether Separate Energy	gy Meter provi	ded for ETH	P : No		
(i) Whether Log Book of E	ETP / STP is be	eing maintai	ined : No		
(j) ETP / STP Sludge gene	ration		: Quanti	ty 1-3 Kg /day	
Mode of Disposal			(i) U	sed as Compos	st in Horticultu
(k) Reuse of Treated Waste	Water :(i) Ga	rdening / H	Iorticulture	6000 L	iters /day
		•	ning Plant / Cooling	g Tower	Liters /day
		Boiler	6 6	•	Liters /day
	(111)				
	· · · ·		oilets)		
	(iv) I	Flushing (To Any other	oilets)		Liters /day Liters /day

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

#### 7. Waste Management

S. N o.	Type of Waste	Quantity of Waste *Generated/ **Estimated	Waste Ma at the pre			Disposal Mechanism		
		(Kg/day)	Proper Segregati	r Proper Contain ers provided for storing the	for Waste generatio n and disposal is being maintaine	Authorized Vendor (Copy of Authorization provided –Yes /No)(Name & Address of the	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	Waste No	d No		M/s HRA E Waste Pvt. Ltd.(Agreemen t not provided)	
( <b>ii</b> )	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:

- 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: Al	IMS & 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.
<b>2. Type of Establishment</b> : Ho	ospital
(Bulk Waste Generator) (Main Activities / No	o of Beds – 2362 No, No of Visitor – 2362 No.
Units / Facilities (No of Rooms / Beds etc.) Ol	PD-7632 Persons/day, Footfall (includes OPD and
vis	sitors)-50000 Per day
He	ostel-20 Nos. (2000 persons)
3. Status of Licenses	
(a) Environmental Clearance :	Not Applicable
(b) Consent under the Air & Water Acts : A	Applied for Consent
(c) Municipal Corporation License : No infor	mation provided
	l 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	Peak Water Consumptio	Waste Water Generation
	_	Consumption/	n/Requirement at full	at full capacity
		Requirement	capacity	(in Liters /day)
		*(in Liters /day)	**(in Liters /day)	
(i)	Domestic		Beds=	
(ii)	Air Conditioning /Cooling	5.33 lakh	2362x450=1062900	80% of 1962810
	Plant or Boiler Feed		Visitors=	
(iii)	Kitchen		(2362+7632+50000)x15	
(iv)	Laundry	1.00 lakh	= 899910	
(v)	Swimming Pool			
(vi)	Horticulture / Gardening	75000		
(vii)	Others			
	Total Quantity		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

Γ	Waste Water Treatment	Provided for	Capacity	Type of	Main Constituent	Status of
	System Provided	Treatment of	(in KLD)	Treatment& Technol		ETP/STP
		Waste Water	(	ogy		(Operational/
		Generated		used (Biological /		Not Operational
		from		Physicochemical Pro		1
				cess)		
	Effluent Treatment Plant (ETP)					
Ī	Sewage Treatment Plant	Hospital	1 MLD		Screen Chamber,	Operational
	(STP)				Equalization	
					Tank,	
					MBBR Tank,	
					Settling Tank, DMF, etc	
(h	) Mode of Disposal of Tr		Waste Wa	ter :Land etc.	Divil, etc	
	Whether All Sections co			: Yes		
	) Whether Adequacy Rep					
	Whether Effluent sampl					
(f)	-		• •			
· · /	) Whether Flow Meter In					
	) Whether Log Pools of L					
(i)	0		ing mamai		tr. 10 V.a./day	
(j)		ration			ity10 Kg /day	·
4	Mode of Disposal		1 . / 11		sed as Compost in	
(K	) Reuse of Treated Waste		-		250000 Lit	•
				ning Plant / Cooling	•	•
			Boiler	<b>11</b>	I	5
			Flushing (To	oilets)	L	•
		(v) A	Any other		L	•
				Total Qu	antity: 25	50000 Liters /day

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

#### 7. Waste Management

S. N o.	Type of Waste	Quantity of Waste *Generated/*	Waste premises site					
		*Estimated (Kg/day)	r Proper Segregat ion is being	Whether Proper Containers provided for storing the Waste	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 generation	No	No	Νο		M/s Biotic Waste Management ltd.	
(ii)	Construction & Demolition Waste	20000 to 25000 kg/ Day	Separat e Yard		No	Through Online Tender		
(iii)	Domestic Hazardous Waste	No details mad available	de					
(iv)	Hazardous Waste (Used /Waste Oil)	No details mad available	de					
( <b>v</b> )	E-Waste	No details ma	de <mark>avail</mark> ab	le		HRA E-waste		
(vi)	Lead Acid Battery Waste	No details mad available	de				Buy back arran	
(vi)	Garden Waste		No	No	No	Not Provided		
(vii)	<b>Recyclable Waste</b>	No details mad	de availab	le				

\* 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	: Yes
and container trolley	

8. Rain Water Harvesting System (RWHS)

<sup>:</sup> 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.
- 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**

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	Peak Water Consumptio	Waste Water Generation
		Consumption/	n/Requirement at full	at full capacity
		Requirement	capacity	(in Liters /day)
		*(in Liters /day)	**(in Liters /day)	
(i)	Domestic		Beds= 1531x450=	
(ii)	Air Conditioning /Cooling		688950	
	Plant or Boiler Feed		Visitors=	
(iii)	Kitchen		(1531+9538+950)x15=	
(iv)	Laundry		180285	
(v)	Swimming Pool		Office= 1540x45= 69300	80% of 1124610
(vi)	Horticulture / Gardening		Students= 1135x45=	
(vii)	Others		51075	
. ,			Residents= 1000x135=	
			135000	
	Total Quantity		1124610	899688

\*- Based on data furnished by Unit

## 5. Waste Water Management (a) Waste Water Treatment System

Г	Waste Water Treatment	Provided for	Capacity	Type of	Main	Status of	Remarks
	System Provided	Treatment of	(in KLD)	Treatment& Tech			(If any)
	<b>j</b>	Waste Water		nology	nt Units	(Operational	
		Generated		used (Biological /		/ Not	
		from		Physicochemical		Operational	
				Process)		1	
Γ	Effluent Treatment						No ETP
	Plant (ETP)						/STP
Γ	Sewage Treatment						installed
	Plant (STP)						
(b)	Mode of Disposal of Tre	eated/untreated	l Waste Wa	ater :DJB/City	Sewerage S	ystem	
(c)	Whether All Sections co	onnected to ET	P/STP	: No ET	P/STP insta	lled	
(d)	Whether Adequacy Rep	ort of ETP/ST	P submitted	: No			
	Whether Effluent sampl				om 4 Bypas	s outlets	
(f)	Whether effluent is mee	ting the prescr	ibed standa	rds : No			
(g)	Whether Flow Meter In	stalled at Inlet	and Outlet of	of ETP/STP : NA			
(h)	Whether Separate Energy	gy Meter provi	ded for ETP	P/STP : NA			
(i)	Whether Log Book of E	TP / STP is be	ing maintai	ned : NA			
(j)	ETP / STP Sludge gener	ration		: NA			
Μ	ode of Disposal			: NA			
(k	) Reuse of Treated Waste	e Water :(i) Ga	rdening / H	orticulture		Liters /da	ay
		(ii) A	ir Condition	ning Plant / Cooling	g Tower	Liters /d	ay
		(iii) l	Boiler			Liters /d	ay
		(iv) I	Flushing (To	oilets)		Liters /d	ay
		(v) A	Any other			Liters /d	ay
				Total Qu	antity:	Liters /d	ay

S.No	Source of Air Pollution	No and	Fuel Used	Pollution Control	Remarks
		Capacity		Measures Taken	(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. N o.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/da		lanagement emises site	t System	Disposal Mec	hanism
		y)	r Proper	Proper Container	for Waste generatio n and disposal	Authorized Vendor (Copy of Authorization provided –Yes /No)(Name & Address of the	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	: No
and container trolley	

8. Rain Water Harvesting System (RWHS) No of RWHS Pits.....

: No statement

- -

#### **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, Ewaste 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

	Date of hispection: 15.02.2017
1. General Information	
(a) Name and Address of the Establishm	nent: Hyatt Regency Delhi, Asian Hotel, (North) Limited,
(Bulk Waste Generator)	Bhikaji Cama Place, Ring Road, New Delhi-110016.
(b) Owner /Partner / Managing Director	's : Asian Hotels (North) Limited,
Name and Telephone No.	011-26791234
(c) Month & Year of Establishment	: 1982
(d) Name and Designation of the Person	n(s) : Sh. Ashish Tripathi (Manager)
Contacted at the site	9871386777
(e) Size of Premises (in Square Meter)	: (i) Plot Area- 20000 sqmt (ii) Built up Area- 63000 sqmt
2. Type of Establishment	: Five Star Hotel
(Bulk Waste Generator) (Main Activities	/ No of Rooms – 512, Banquets hall- 03, (1650 Persons)
Units / Facilities (No of Rooms / Beds e	tc.) No. of Restaurants- 06, (600 Persons)
3. Status of Licenses	
	: 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	: Yes [Valid upto- 13.03.2020]/
regarding Fire Safety	
4. Water and Waste Water	
(a) Source of Water Supply	:(i) Delhi Jal Board [ Bill Available Yes]

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

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

(ii)Bore well [No(s).03, Permission from DJB/CGWA - Yes]

\*- Based on data furnished by Unit

### (a) Waste Water Treatment System

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

(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 durin	ng inspection : Yes
(f) Whether ETP/STP is meeting the prescribed standards	: Yes
(g) Whether Flow Meter Installed at Inlet and Outlet of ET	P/STP : No flow meter at inlet of STP
(h) Whether Separate Energy Meter provided for ETP/STF	P : 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 / Hortic	ulture 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
Air Pollution Asnocts	-

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			

#### NGT SC-II - SDMC 7. Waste Management

<b>S.</b>	N Type of Waste	Quantity of Waste	Waste	Manageme	nt	Disposal Me	rhanism	
0.	i jpe of waste	*Generated/ **Estimated		at the pre		Disposal mechanism		
0.		(Kg/day)	site					
			Wheth	Whether			Through Private	
				Proper		Authorized	Vendor (Copy	
				Containe	Book	Vendor (Copy	of Bill Provided	
			Segreg	rs	for	of Authorization	– Yes /No )	
			ation is	provided		provided –Yes	(Name &	
			being	for		/No)(Name &	Address of the	
			done	storing	tion	Address of the	Vendor)	
				the	and	Vendor)		
				Waste	disposa			
					l is			
					being			
					mainta			
					ined			
(i)	Municipal Solid	780Kg/day (As	No	No	Yes		M/s HRA E-	
	Waste	Provided					Waste Pvt.	
		letter by the					Ltd.	
		Concerned						
		Unit) 737 kg						
		Per day (Estimated						
		peak generation)*						
(ii)	Construction &	No records made						
	Demolition Waste	available						
(iii)		No records made						
	Hazardous Waste	available						
(iv)		No records made						
	(Used /Waste Oil)	available						
(v)	E-Waste	No records made						
		available						
(vi)		No records made						
	Battery Waste	available						
(vi)	) Garden Waste	15 kg/day	No	No	No	Partial		
						Composting		
(vii	i) 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- 3

: Yes

#### **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.

- NGT SC-II SDMC 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**

[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. 10.02.2017
1. General Information	
(a) Name and Address of the Establishment:	HOTEL J.W. MARRIOTT
(Bulk Waste Generator)	Aria Hotels And Consultancy Services Pvt. Ltd.
	Asset No. 4
	Aero City IGI Airport.
(b) Owner /Partner / Managing Director's	: Mr. Sushil Gupta (MD)
Name and Telephone No.	011-46101208
(c) Month & Year of Establishment :	October- 2013
(d) Name and Designation of the Person(s)	: Mr. Padma Charan, 8527298224
Contacted at the site	Mr. S. N. Raghu, 9871386781
(e) Size of Premises (in Square Meter)	: (i) Plot Area- 23865.8 $M^2$ (ii) Built up Area- 90967.3 $M^2$
2. Type of Establishment	: Five Star Hotel
(Bulk Waste Generator) (Main Activities /	No. of Rooms – 523, Restaurants -02 (370 Per) Banquet
Units / Facilities (No of Rooms / Beds etc.)	hall-1 No. (1200 Per)
cinto / i deinties (i to of itoonis / Beds etc.)	
3. Status of Licenses	
(a) Environmental Clearance : Yes [	Issued on 20.7.2010
(b) Consent under the Air & Water Acts	: <b>Yes</b> [Valid upto- 2.4.2018]
	[Valid upto-31.3.17]
	s [Valid upto-3.3.19]
4. Water and Waste Water	
(a) Source of Water Supply : (i)	Delhi International Pvt. Ltd. Customer No. 1000000762

- (a) Source of Water Supply
- : (1) De onal Pvt. Ltd. Customer No. 1000000/62 Meter No. JW 04/11/-1W-1004.

Date of Inspection: 16.02.2017

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

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

\*- Based on data furnished by Unit

# NGT\_SC-II - SDMC 5. Waste Water Management (a) Waste Water Treatment System

Waste Water Treatment System Provided	Provided for Treatment of Waste Water Generated from	(in KLD)	Type of Treatment& Tech nology 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.	STP 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 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	

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

NGT SC-II - SDMC 7. Waste Management	ŀ
/. waste management	L

S. N 0.	Type of Waste	Quantity of Waste *Generated/	Waste Management System at the premises site			Disposal Mechanism	
		**Estimated (Kg/day)	Whethe r Proper	Whether	Whethe r Log Book for Waste generati	Authorized Vendor (Copy of Authorization provided –Yes /No)(Name & Address of the	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.

- NGT SC-II SDMC 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.