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: Pride Hotels Limited (Bulk Waste Generator) Asset No. 5A, Aerocity, IG, Airport, New Delhi (b) Owner /Partner / Managing Director's : Mr. S.P. Jain Name and Telephone No. 011-66007700 (c) Month & Year of Establishment November-2015 (d) Name and Designation of the Person(s) : Mr. Vishnu Chauhan, 9899343789 Contacted at the site Mr. Pankaj Mathur (G.M) : (i) Plot Area- 6373.76 Sqmtr (ii) Built up Area- 33927.53 Sqmtr (e) Size of Premises (in Square Meter) 2. Type of Establishment : Hotel (4 Star) (Bulk Waste Generator) (Main Activities / No. of rooms -385, Banquet hall -02 (400 Person) Units / Facilities (No of Rooms / Beds etc.) Restaurants - 03 (240 Person)

3. Status of Licenses

- (a) Environmental Clearance : Yes [Issued on 06.06.2011]
- (b) Consent under the Air & Water Acts
- (c) Municipal Corporation License

: Applied for Consent to Operate : Yes [Valid upto-31.03.2017]

- : Yes [Valid upto- 27.11.2017]
- (d) Certificate from Fire Department

4. Water and Waste Water

(a) Source of Water Supply

Supply by Delhi International Airport Pvt. Ltd.

Date of Inspection: 16.02.2017

(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	169000	Rooms= 385x2x180=	
(ii)	Air Conditioning /Cooling	10000	138600	
	Plant or Boiler Feed		Restaurant=	
(iii)	Kitchen	43000	240x70=16800	80% of 158200
(iv)	Laundry	51000	Banquet= 400x70=	
(v)	Swimming Pool	12000	2800	
(vi)	Horticulture / Gardening	12000		
(vii)	Others			
	Total Quantity	297000	158200	126560

*- Based on data furnished by Unit

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

5. Waste Water Management

(a) Waste Water Treatment System

Waste Water Treatment	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)		1	
Effluent Treatment Plant	t					
(ETP)						
Sewage Treatment Plant	Hotel	350	Biological	O/G trap,	Operational	
(STP)			C	Eq. tank,	1	
				Aeration		
				tank,		
				Settling		
				tank etc.		
(b) Mode of Disposal of Tr	eated/untreated	Waste Wa	ter :Gardening	etc		
(c) Whether All Sections co			: Yes			
(d) Whether Adequacy Rep	ort of ETP/ST	P submitted	: Yes			
(e) Whether Effluent sampl				: Yes		
(f) Whether ETP/STP is m	•		• •			
(g) Whether Flow Meter In	U 1					
(h) Whether Separate Energy						
(i) Whether Log Book of E						
(j) ETP / STP Sludge gener		C		ity 10 kg /d	av	
Mode of Disposal			-	•	n Solid Waste	
Ĩ			· / 1	•	n Horticulture	
(k) Reuse of Treated Waste	Water :(i) Gar	dening / Ho			000 Liters /day	
(ii) Air Conditioning Plant / Cooling Tower 10000 Liters /day						
	(iii) Boiler 10000 Liters /day					
(iv) Flushing (Toilets) 159000 Liters /d						
	. ,	Any other	<i>`</i>		000 Liters /day	
		-	Total Qı	antity: 28	2000 Liters /day	
			e	v	-	

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

7. Waste Management

S. N 0.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Va(day)	I/ at the premises site			Disposal Me	Disposal Mechanism	
		**Estimated (Kg/day)	r Proper Segregat ion is being	Proper Container s provided for storing the Waste	r Log Book for Waste generat ion 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	180kg/day (As Provided letter by the Concerned Unit) 449 kg Per day (Estimated peak generation)*	No	No	Not Provi ded		M/s Chaudhary (Agreement not given)	
(ii)	Construction & Demolition Waste	No records made available						
(iii)	Domestic Hazardous Waste	No records made available						
(iv)	Hazardous Waste (Used /Waste Oil)	No records made available						
(v)	E-Waste	No records made available						
(vi)	Lead Acid Battery Waste	No records made available						
(vi)	Garden Waste	2 kg/day	No	No	No	No 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

: Yes

Observations/Comments of the inspection on 16.02.2017

Pride Hotels Limited is operating their Hotel at Asset No. 5A, Aerocity, IG, Airport, New Delhi. The Hotel was inspected by Sub Committee-II on 16.02.2017. It was informed that hotel is having 385 rooms, 2 Banquet halls, and 3 Restaurant. Following are the observations of the team after discussion with officials of the Hotel who were present during inspection:

- As informed by the unit, the unit was established in year 2015, Plot Area of the Hotel is 6373 m² and Built up Area is 33927 sq m². Hotel is having Environmental Clearance issued on 06.06.2011.
- 2. Hotel has applied for Consent to Operate under Air and Water Act.
- 3. Water is procured from DIAL.
- 4. STP of capacity 350 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. Flow meters were found installed at inlet 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. As informed approx 10 kg/day of sludge is generated and it was informed that sludge is used for horticulture purposes or disposed along with municipal solid waste.
- 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.
- 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.
- 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.

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: 16.02.2017

(a) Name and Address of the Establishment:	CADDIE HOTELS PVT. LTD. (PULLMAN & NOVOTEL)
(Bulk Waste Generator)	Asset No. 2, GMR, Aerocity, Delhi
(b) Owner /Partner / Managing Director's	: Mr. Tristan Beau De Lomeine (GM)
Name and Telephone No.	011-46080808
(c) Month & Year of Establishment :	17.08.2015
(d) Name and Designation of the Person(s)	: Sh. Gopal Paranthaman
Contacted at the site	9811353276
(e) Size of Premises (in Square Meter)	: (i) Plot Area- 18969 Sqmt (ii) Built up Area- 58063 Sqmt
2. Type of Establishment	: Hotel
(Bulk Waste Generator) (Main Activities /	No. of Room - 670
Units / Facilities (No of Rooms / Beds etc.)	No. of Restaurant – 05 (325 Person), Lawn – 01 (200 Person)
3. Status of Licenses	

- (a) Environmental Clearance : Yes [Issued on 22.7.2010]
- (b) Consent under the Air & Water Acts

(c) Municipal Corporation License

: Yes [Valid upto 20.7.2020] : Yes [Valid upto- **Not provided**]

(d) Certificate from Fire Department : Yes [Valid upto 17.1.2017]

4. Water and Waste Water

(a) Source of Water Supply

:(i) Supply by Delhi International Airport Pvt. Ltd.

(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	172000	Rooms= 670x2x180=	
(ii)	Air Conditioning /Cooling	31000	241200	
	Plant or Boiler Feed		Restaurant= 325x70=	
(iii)	Kitchen	15000	22750	80% of 270950
(iv)	Laundry	50000	Lawn= 200x70=	
(v)	Swimming Pool	7000	14000	
(vi)	Horticulture / Gardening	5000		
(vii)	Others	42000		
	Total Quantity	322000	277950	222360

*- Based on data furnished by Unit

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

5. Waste Water Management

(a) Waste Water Treatment System

(a) waste water ricating	ent Bystem				
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	Laundary	75	Physico	Collection tank	Operational
(ETP)			chemical	Chemical	
				Dosing	
				Tank etc	
Sewage Treatment Plant	2 Hotels	650	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 during	g inspection : Yes
(f) Whether ETP/STP is meeting the prescribed standards	: No
(g) Whether Flow Meter Installed at Inlet and Outlet of ETI	P/STP: No
(h) Whether Separate Energy Meter provided for ETP/STP	: No
(i) Whether Log Book of ETP / STP is being maintained	: Yes
(j) ETP / STP Sludge generation	: Quantity 5.0Kg /day
Mode of Disposal	: (i) Used as Compost in Horticulture
(k) Reuse of Treated Waste Water :(i) Gardening / Horticult	ture 20000 Liters /day
(ii) Air Conditioning P	Plant / Cooling Tower 100000 Liters /day
(iii) Boiler	0 Liters /day
(iv) Flushing (Toilets)	25000 Liters /day
(v) Any other	25000 Liters /day
	Total Quantity: 170000 Liters /day

6. Air Pollution Aspects

S.No	Source of Air Pollution	No and Capacity	Fuel	Pollution Control Measures
			Used	Taken
1.	Kitchen	04(01-Novotel	PNG	Hood and suction arrangement
		+03-Pullman)		provided to channelize the
				kitchen emissions over terrace
2.	Boiler	2	PNG	Adequate stack
		(2.8 KG/HR)		height
3.	Diesel Generator(s)	2X2000 KVA		Acoustic Enclosure
				and adequate stack height
4.	Others			

Total Quantity: 170000 Liters /day

7. Waste Management

					-		1
S . N	Type of Waste	Quantity of Waste		anagement	System	Disposal Mechanism	
0.		*Generated/	at the premises site				
		**Estimated (Kg/day)	Proper Segregati on is being	Proper Container s provided for storing the Waste	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	1050 kg/Day (As Provided letter by the Concerned Unit) 722.50 kg Per day (Estimated peak generation)*	No	No	No	Not Provided	Agreement Not provided
(ii)	Construction & Demolition Waste	No record available	No	No	No	Not Provided As per contract Agreement	
(iii)	Domestic Hazardous Waste	No record available					
(iv)	Hazardous Waste (Used /Waste Oil)	No record available					
(v)	E-Waste	No record available					
(vi)	Lead Acid Battery Waste	No record available					
(vi)	Garden Waste	2 kg	Yes	Yes	No	Partial Composting	
(vii)	Recyclable Waste	No record available					

* Based on data furnished

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

8. Rain Water Harvesting System (RWHS) No of RWHS Pits- 4 Nos.

: Yes

Observations/Comments of the inspection on 16.02.2017

CADDIE HOTEL PVT. LTD. os operating their 2 Hotels namely Pullman and Novotel at Asset No. 2, Aerocity, Delhi, New Delhi. The Hotel was inspected by Sub Committee-II on 16.02.2017. It was informed that hotels are having 670 rooms, Lawn-01 and 05 Restaurants. 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 2015, Plot Area of the Hotels is 18963 m² and Built up Area is 58063 sq m². Hotel is having Environmental Clearance issued on 22.07.2010.

- 2. Hotel is having valid Consent to Operate under Air and Water Act which is valid till 20.07.2020.
- 3. Water is procured from DIAL.
- 4. STP of capacity 650 KLD and ETP of 75 KLD capacity has been installed for both hotels. STP is biological type, ETP of physic chemical type and were found operational. As per calculations of DJB, ETP and 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 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. As informed approx 05kg/day of sludge is generated and it was informed that sludge is used for horticulture purposes or disposed along with municipal solid waste.
- 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 standardize 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 is not meeting the prescribed standards and requires proper housekeeping.
- 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.

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Date of Inspection: 16.02.2017

1. General Information	
(a) Name and Address of the Establishmen	t: ANDAZ DELHI
(Bulk Waste Generator)	A unit of Juniper Hotels Pvt. Ltd.
(b) Owner /Partner / Managing Director's	: Mr. Amit Sarat
Name and Telephone No.	01149031213
(c) Month & Year of Establishment :	December- 2016
(d) Name and Designation of the Person(s) Contacted at the site	: Rakesh Kumar (Director of Engineering) 7838089097
(e) Size of Premises (in Square Meter)	: (i) Plot Area- 26828 Sqmtr (ii) Built up Area- 10977 Sq mtr.
2. Type of Establishment	: Hotel
(Bulk Waste Generator) (Main Activities / Units / Facilities (No of Rooms / Beds etc.)	No of room – 530 (725 Beds), Restaurant- 01 (270 Persons) Banquet Hall 01 (800 Persons)
3. Status of Licenses	
(a) Environmental Clearance	: Yes [Issued on 15.2.2017]
(b) Consent under the Air & Water Acts	: Yes [Valid upto 22.06.2021]
(c) Municipal Corporation License	: Yes [Valid upto-31.03.2018]
(d) Certificate from Fire Department regarding Fire Safety	: Yes [Valid upto- 18.04.2019] /

4. Water and Waste Water

(a) Source of Water Supply

:(i) water supply by Delhi International Airport Pvt. Ltd. (DIAL) around 214200 l/day

(b)Water Consumption / Requirement and Waste Water Generation

S.No.	Purpose /Use	Average Water	Peak Water Consumpt	Waste Water Generation
5.110.	1 41 1000 1000	Consumption/	ion/Requirement at	at full capacity
		1	-	1 1
		Requirement	full capacity	(in Liters /day)
		*(in Liters /day)	**(in Liters /day)	
(i)	Domestic	69000	Rooms= 725x180=	
(ii)	Air Conditioning /Cooling	1200	130500	
	Plant or Boiler Feed		Restaurant=	
(iii)	Kitchen	89000	270x70=18900	80% of 205400
(iv)	Laundry	15000	Banquet=	
(v)	Swimming Pool	2000	800x70=56000	
(vi)	Horticulture / Gardening	38000]	
(vii)	Others]	
	Total Quantity	214200	205400	164320
* D	l on data furnished has Unit	211200	203100	101320

*- Based on data furnished by Unit

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

NGT_SC-III - SDMC 5. Waste Water Management (a) Waste Water Treatment System

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
	from		Physicochemical		Operational
			Process)		
Effluent Treatment Plant (ETP)					
Sewage Treatment Plant (STP)	Hotel	550 KLD	Biological	Bar Screen, O& G Trap, Aeration Tank, Settling Tank etc	Operational

(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/ST	ΓP: Yes
(h) Whether Separate Energy Meter provided for ETP/STP	: Yes)
(i) Whether Log Book of ETP / STP is being maintained	: Yes
(j) ETP / STP Sludge generation	: Quantity Not known Kg /day
Mode of Disposal	: (i) Used as Compost in Horticulture
(k) Reuse of Treated Waste Water :(i) Gardening / Horticulture	38000 Liters /day
(ii) Air Conditioning Plan	t / Cooling Tower 65000 Liters /day
(iii) Boiler	Liters /day
(iv) Flushing (Toilets)	28000 Liters /day
(v) Any other	Liters /day
	Total Quantity:131000Liters /day

S.No	Source of Air Pollution	No and	Fuel	Pollution Control Measures Taken
		Capacity	Used	
1.	Kitchen	3	PNG	Hood and suction arrangement
				provided to channelize the
				kitchen emissions over terrace
2.	Boiler	1	HSD	Adequate Stack Height
3.	Diesel Generator(s)	2-1500 KVA	HSD	Acoustic Enclosure
		1-750 KVA		and adequate stack height
4.	Others			

S. No.	Type of Waste	Quantity of Waste	Waste Management System at the premises site			Disposal Mechanism	
		*Generated/ **Estimated (Kg/day)	er Proper Segreg ation is being done	Proper Containe rs provided for storing the	Book for Waste generatio n and disposal	Through 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	235 kg/day (As Provided letter by the Concerned Unit) 469.50 kg Per day (Estimate peak generation) ⁵	No	No	Not Provid ed		M/s Delhi ARM
(ii)	Construction & Demolition Waste	No records made available					
(iii)	Domestic Hazardous Waste	No records made available					
(iv)	Hazardous Waste (Used /Waste Oil)	No records made available					
(v)	E-Waste	No records made available					
(vi)	Lead Acid Battery Waste	No records made available					
(vi)	Garden Waste	5 kg	No	No	No	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 16.02.2017

ANDAZ DELHI is operating their Hotel at Asset No. 1, Aerocity, New Delhi. The Hotel was inspected by Sub Committee-II on 16.02.2017. It was informed that Hotel is having 530 Rooms/725 Beds, 1 Banquet and 1 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 2016, Plot Area of the Hotel is 26828 m^2 and Built up Area is 10977sq m.
- 2. Hotel is having valid Consent to Operate under Air and Water Act which is valid till 22.06.2021.
- 3. Water is procured from DIAL.

- NGT SC-II SDMC 4. STP of capacity 550 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. 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, air conditioning, etc.
 - 8. The quantum of sludge generated could not be provided but it was informed that it is used for horticulture purposes. Unit should maintain the quantum of sludge in order to substantiate that STP is operated on regular basis.
 - 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 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. 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.
- 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.

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1. General Information	
(a) Name and Address of the Establishment:	M/s Hyacinth Hotels Pvt. Ltd. (Lemontree & Red Fox
	Hotel), Asset No. 6, Hospitality District, Dial IGI
(Bulk Waste Generator)	Airport Delhi -110029.
(b) Owner /Partner / Managing Director's	: Mr. Sumant Jaidka (9811814779)
Name and Telephone No.	
(c) Month & Year of Establishment :	October'24-2013
(d) Name and Designation of the Person(s)	: Mr. N.C. Malhotra (9810297251)
Contacted at the site	
(e) Size of Premises (in Square Meter) : (i)	Plot Area- 9579.07 sqm (ii) Built up Area- 35863.392sqm
2. Type of Establishment	: Hotel
(Bulk Waste Generator) (Main Activities /	Room - 487
Units / Facilities (No of Rooms / Beds etc.)	Restaurant- 03 (320 Persons)

3. Status of Licenses

(a) Environmental Clearance
(b) Consent under the Air & Water Acts
(c) Municipal Corporation License
(d) Certificate from Fire Department
(z) Yes [Valid upto- 09.03.2017]
(z) Yes [Valid upto- 09.03.2018]

4. Water and Waste Water

(a) Source of Water Supply

: Water Supplied by DIAL (GMR) (Bill Attached)

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 Liters /day)	**(in Liters /day)	
(i)	Domestic	155000	Rooms= 487x2x180=	
			175320	
(ii)	Air Conditioning /Cooling		Restaurant= 320x70=	80% of 197720
	Plant or Boiler Feed		22400	
(iii)	Kitchen	30000		
(iv)	Laundry			
(v)	Swimming Pool	15000		
(vi)	Horticulture / Gardening			
(vii)	Others	10000		
	Total Quantity		197720	158176

*- Based on data furnished by 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
	from		Physicochemical		Operational
			Process)		
Effluent Treatment	-				
Plant (ETP)					
Sewage Treatment Plant	Hotels	250	MBBR	O/G trap,	Operational
(STP)				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 ETP/STP submitted	: Yes
(e) Whether Effluent sample collected during inspection	: Yes
(f) Whether ETP/STP is meeting the prescribed standards	: Yes
(g) Whether Flow Meter Installed at Inlet and Outlet of ETP	/STP: Yes
(h) Whether Separate Energy Meter provided for ETP/STP	: Yes
(i) Whether Log Book of ETP / STP is being maintained	: Yes
(j) ETP / STP Sludge generation	: Quantity 25 Kg /day
Mode of Disposal	: (i) Used as Compost in Horticulture
(k) Reuse of Treated Waste Water :(i) Gardening / Horticul	ture 30000 Liters /day
(ii) Air Conditioning Pl	lant / Cooling Tower 40000 Liters /day
(iii) Boiler	Liters /day
(iv) Flushing (Toilets)	30000 Liters /day
(v) Any other	30000 Liters /day
	Total Quantity: 130000 Liters /day

S.No.	Source of Air Pollution	No and	Fuel Used	Pollution Control Measures
		Capacity		Taken
1.	Kitchen	2	PNG	Hood and suction arrangement provided to channelize the kitchen emissions over terrace
2.	Boiler	04	PNG	Adequate stack height
3.	Diesel Generator(s)	3	HSD	Acoustic Enclosure and adequate stack height
4.	Others			

S. N 0.	Type of Waste	Quantity of Waste *Generated/ **Estimated (Kg/day)	Waste Management System at the premises site			Disposal Mechanism	
			er Proper Segreg ation is	Whether Proper Containe rs provided for storing the Waste	r Log Book for Waste generati	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	230 Kg/ Day (As Informed verbally During inspection) 519 kg Per day (Estimated peak generation)*	No	No	No	Not Provided	
(ii)	Construction & Demolition Waste	No records made available	No	No	No		
(iii)	Domestic Hazardous Waste	No records made available					
(iv)	Hazardous Waste (Used /Waste Oil)	No records made available					
(v)	E-Waste	No records made available					
(vi)	Lead Acid Battery Waste	No records made available					
(vi)	Garden Waste	2-3 kg/day	No	No	No	Partial Composting	
(vii)	Recyclable Waste	No records made available					

NGT SC-II - SDMC 7. Waste Manageme

* 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 Nos.

: Yes

Observations/Comments of the inspection on 16.02.2017

Hyacinth Hotels Pvt. Ltd. (Lemontree & Red Fox Hotel) are operating their Hotels at Asset No. 6, Aerocity, IG, Airport, New Delhi by the commercial name of Lemontree & Red Fox Hotel. The Hotels were inspected by Sub Committee-II on 16.02.2017. It was informed that hotels are having 487 rooms and 3 Restaurants. Following are the observations of the team after discussion with officials of the Hotels who were present during inspection:

- 1. As informed by the unit, the units were established in year 2013, Plot Area of the Hotels is 9579.07 m² and Built up Area is 35863.392 sqm. Hotel is having Environmental Clearance issued on 30.7.2013.
- 2. Hotel is having valid Consent to Operate under Air and Water Act which is valid till 09.02.2019.
- 3. Water is procured from DIAL.

- NGT SC-II SDMC 4. One common STP of capacity 250 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. 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. The quantum of sludge generated could not be provided but it was informed that it 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 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. 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.
- 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.

NGT SC-II - SDMC

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:	Bird Airport Hotel Pvt. Ltd. Roseate House, GMR Hospitality
(Bulk Waste Generator)	Asset No. 10, Aero City
(b) Owner /Partner / Managing Director's	: Ankur Bhatia
Name and Telephone No.	
(c) Month & Year of Establishment :	September- 2016
(d) Name and Designation of the Person(s)	: Mr. Alok Bansal
Contacted at the site	8800895096
(e) Size of Premises (in Square Meter)	: (i) Plot Area- 7225.90 M^{2} (ii) Built up Area- 30161.38 M^{2}
-	_
2. Type of Establishment	: Hotel
(Bulk Waste Generator) (Main Activities /	Rooms- 216 No., Restaurant – 03 No. (34+28+122) Persons
Units / Facilities (No of Rooms / Beds etc.)	Banquet – 01 (250 Persons)
3. Status of Licenses	
(a) Environmental Clearance	: Yes [Issued on 06/06/2011]
(b) Consent under the Air & Water Acts	: Applied for Consent
(c) Municipal Corporation License	: Yes [Valid upto- 31.03.2017]
(d) Certificate from Fire Department	: Yes [Valid upto]/
regarding Fire Safety	
 3. Status of Licenses (a) Environmental Clearance (b) Consent under the Air & Water Acts (c) Municipal Corporation License (d) Certificate from Fire Department 	 Yes [Issued on 06/06/2011] Applied for Consent Yes [Valid upto- 31.03.2017]

4. Water and Waste Water

(a) Source of Water Supply

:(i) Water supply by Delhi International Airport Pvt. Ltd.

(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	60000	Rooms= 216x2x180=	
			77760	
(ii)	Air Conditioning /Cooling	10000	Restaurant=	
	Plant or Boiler Feed		(34+28+122)x70=	
			12880	
(iii)	Kitchen	15000	Banquet= 250x70=	80% of 108140
			17500	
(iv)	Laundry	18000		
(v)	Swimming Pool	3000		
(vi)	Horticulture / Gardening	10000		
(vii)	Others			
	Total Quantity	116000	108140	86512

*- Based on data furnished by Unit

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

NGT_SC-II - SDMC 5. Waste Water Management

(a)	Waste	Water	Treatment	System
$\langle \cdot \cdot \rangle$				~

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 (Operational/ Not Operational
Effluent Treatment Plan (ETP)	tLaundry	25	Physicochemical	Bar Screen, Equalization Tank, Tube Settler Etc.	Operational
Sewage Treatment Plant (STP)	Hotel	200	Biological	Bar Screen, Equalization Tank, Aeration Tank Tube Settler Etc.	Operational

(b) Mode of Disposal of Treated Waste Water	:Gardening etc.
(c) Whether All Sections connected to ETP/STP	: Yes
(d) Whether Adequacy Report of 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	P/STP: Yes
(h) Whether Separate Energy Meter provided for ETP/STP	: Yes
(i) Whether Log Book of ETP / STP is being maintained	: Yes
(j) ETP / STP Sludge generation	: Quantity 10-12 Kg /day
Mode of Disposal	: (i) Disposed along with Solid Waste
	(ii) Used as Compost in Horticulture
(k) Reuse of Treated Waste Water :(i) Gardening / Horticult	ure Liters /day
(ii) Air Conditioning P	lant / Cooling Tower Liters /day
(iii) Boiler	Liters /day
(iv) Flushing (Toilets)	Liters /day
(v) Any other	Liters /day
	Total Quantity: 110000Liters /day

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	Kitchen	3	PNG	Hood and suction arrangement provided to channelize the kitchen emissions over terrace
2.	Boiler	4	PNG	Adequate stack height
3.	Diesel Generator(s)	2	HSD	Acoustic Enclosure and adequate stack height
4.	Others			Page 96 g

7. Waste Management

S. No.	Type of Waste	Quantity of Waste	Waste Ma System at	0		Disposal M		Rema rks
		*Generated/ **Estimated (Kg/day)	Proper Segregati on is being done	Whether Proper Containe rs provided 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	72 Kg./day (As Provided letter by the Concerned Unit) 259.40 kg Per day (Estimate peak generation) ³	No	No	Yes		M/s Chaudhary Contractor	
(ii)	Construction & Demolition Waste	No details made available						
(iii)	Domestic Hazardous Waste	No details made available						
(iv)	Hazardous Waste (Used /Waste Oil)	No details made available						
(v)	E-Waste	No details made available						
(vi)	Lead Acid Battery Waste	No details made available						
(vi) (vii)	Garden Waste Recyclable Waste	3 kg/day No details 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) : Yes No of RWHS Pits 02 Nos.

Observations/Comments of the inspection on 16.02.2017

Bird Airport Hotel Pvt. Ltd. Is operating their Hotel at Asset No. 10, Aerocity, IG, Airport, New Delhi by the commercial name of Roseate. The Hotel was inspected by Sub Committee-II on 16.02.2017. It was informed that hotel is having 216 rooms, 1 Banquet and 3 Restaurants. Following are the observations of the team after discussion with officials of the Hotel who were present during inspection:

- NGT SC-II SDMC 1. As informed by the unit, the unit was established in year 2016, Plot Area of the Hotel is 7225.9 m² and Built up Area is 30161.38 sqm. Hotel is having Environmental Clearance issued on 06.06.2011.
 - 2. Hotel has applied for obtaining Consent to Operate under Air and Water Act.
 - 3. Water is procured from DIAL.
 - 4. One ETP (Physico-Chemical) of capacity 25 KLD and one STP of capacity 200 KLD (Biological) have been installed. ETP and STP were 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. As informed, the quantum of sludge generated is 10-12 Kg/day and it 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 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. 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.
- 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.

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: 20.02.2017

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

4. Water and Waste Water

(a) Source of Water Supply

Fortis FLT. LT. Rajan Dhall Hospital B-I, Aruna Asaf Ali Marg, Vasant Kunj, New Delhi- 110070. Mr. Sandeep Guduru, 011-42776222 April - 2006 Subhash Chandra Jha

(i) Plot Area-7449.37 Sq.m (ii) Built up Area-11934.78 Sq.m

No. of Beds – 160, Rooms Single- 34, Double – 13, Triple Rooms– 4. OPD- 350, No of visitor- 232

Not Applicable Yes [Valid upto- 07.07.2018] Not Provided Yes [Valid upto- 19.09.2019]

:(i) Delhi Jal Board [Bill Available- Yes] (ii) Tankers [No record provided]

(b)Water Consumption / Requirement and Waste Water Generation

S.No.	Purpose /Use	*Average Water	**Peak Water Consu	Waste Water Generation
		Consumption/	mption/Requirement	
		Requirement	at full capacity	(in Liters /day)
		(in Liters /day)	(in Liters /day)	
(i)	Domestic	35000	Beds= 160x450=	
(ii)	Air Conditioning /Cooling		72000	80% of 80730
	Plant or Boiler Feed		Visitors=	
(iii)	Kitchen	10000	(350+232)x15=8730	
(iv)	Laundry			
(v)	Swimming Pool			
(vi)	Horticulture / Gardening	10000		
(vii)	Others	25000		
	Total Quantity	105000	80730	64584

* As per information furnished by the unit.

** Estimated as per standards of CPHEEO Manual, 1999

5. Waste Water Management

(a) Waste Water Treatment System

Weste Weter Treat	D	Consector.	Trans of	Mala	Ctata of
Waste Water Treatment	Provided for	Capacity	Type of	Main	Status of
System Provided	Treatment of	(in KLD)	Treatment& Techno		ETP/STP
	Waste Water		logy	Units	(Operational/
	Generated		used (Biological /		Not
	from		Physicochemical Pr		Operational
			ocess)		
Effluent Treatment	-	—	-	-	_
Plant (ETP)				0.10	
Sewage Treatment	Hospital &	80	Biological	O/G trap,	Operational
Plant (STP)	Domestic &		Process	Eq. tank,	
	Kitchen			Aeration	
				tank,	
				Settling	
		.		tank etc	
(b) Mode of Disposal of Tr				rage system, (Gardening, etc.
(c) Whether All Sections c			: Yes		
(d) Whether Adequacy Rep			: Yes		
(e) Whether Effluent samp			-		
(f) Whether Effluent analy	sis report from	DPCC lab	: Yes (from)	DPCC lab Dt.	07.03.2017)
is Meeting the Prescrib	ed Standard:				
(g) Whether Flow Meter In	stalled at Inlet	and Outlet of	of STP : Yes		
(h) Whether Separate Ener	gy Meter provi	ded for STP	: Yes (Energy	gy meter readi	ing-8863.7 KW)
(i) Whether Log Book of I	ETP / STP is be	eing maintai	ned : Yes		-
(j) ETP / STP Sludge gene		U		not maintained	l in logbook
Mode of Disposal					orticulture (As
informed)				r	
(j) Reuse of Treated Waste	water: (i) G		Horticulture		Liters /day
() Rease of freuted Wash	• • •	Cooling Tov			Liters /day
		Boiler			Liters /day
	· · ·	Flushing (To	vilate)		Liters /day
	. ,	0,	Jucts)		
	• • •	Any other			Liters /day
	ſ	Fotal Quant	lity	••••	Liters /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 terrac
2.	Boiler	02	HSD	Adequate stack ht provided.
3.	Diesel Generator(s)	02	HSD	DG sets are kept in acoustically treated
		2x800 KVA		enclosure and having adequate stack height
4.	Others			

7. Waste Management

-	e Management	a		-	~			
S. N 0.	Type of Waste	Quantity of Waste *Generated	Waste M the pren	fanagement nises site	System at	Disposal Mechanism		
		/**Estimated (Kg/d ay)	r Proper Segrega tion is	Whether Proper Containers provided for storing the Waste		Through Authorized Vendor (Copy of Authoriza tion 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	180kg/day (Average) (As Provided letter by the Concerned Unit) 139.20 kg Per day (Estimated peak generation)	No	No	Yes		M/s Kalicharan (JBG Enterprises Agreement Not Provided)	
(ii)	Construction & Demolition Waste	200 Kg/ Day	No	No	No	Not Provided		
(iii)	Domestic Hazardous Waste	No records made Available						
(iv)	Hazardous Waste (Used /Waste Oil)	434 lt/ Year	Yes	Yes	Yes	Yes		
(v)	E-Waste	No records made Available						
(vi)	Lead Acid Battery Waste	No records made Available	Nil	Nil	Nil	Nil	Nil	
(vi)	Garden Waste	05 Kg / Day	No	No	No	Not Provided		
(vii)	Recyclable Waste	No records made Available						

*Based on the data furnished by the unit.

**Based on the full occupancy and floating population figure (per capita MSW generated, adopted from solid waste management 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
 - (ii) General and Private Wards

- : Partly
- : Yes

 (iii) Operation Theatres (iv)ICUs (b) Pretreatment of Laboratory Waste / Blood Bank (c) On site segregation (d) Common collection point (Temporary collection site (e) Provision for collection and treatment of floor washi and container trolley 	
(f) Total quantum of Bio-Medical Waste generation	273.81 Kg/day [as per average quantity of records of January, 2017] Yellow – 57.98Kg/day, Red 165.57Kg/day, Blue – 29.23 Kg/day, White (Sharp)- 21.03 Kg/day,
(g) Records for Bio-Medical Waste found maintained.	Yes
(h) Annual Report for Bio-Medical Waste	No annual report Provided.
8. Rain Water Harvesting System (RWHS)	: No of RWHS Pits 02 Nos

Observations/Comments of the inspection on 20.02.2017

- 1. As informed by the Hospital, the Hospital was established in year 2006, Plot Area of the Hospital is 7449.37 **Sqmtr** and Built up Area is 11934.78 **Sqmtr**. No Environment Clearance was provided by the Hospital.
- 2. The Hospital is having valid Consent to Operate under Air and Water Act valid upto 07.07.2018 but as per Copy provided, Authorization under BMW rules expired on 14.07.2016.
- 3. The hospital is in process of updating themselves for compliance w.r.t. Bio Medical Waste (Management and Handling) Rules, 2016.
- 4. Bio-Medical Waste generated from the hospital is given to CBMWTF (M/s Biotic Waste Solutions Pvt. Ltd, an authorized CBMWTF by DPCC) for its treatment and disposal, 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.
- 5. Closed Trolleys are available for transferring BMW from various wards OT etc.
- 6. Bio-Medical Waste Management is looked after by the infection Control Cell of the hospital and immunization practices (for Hepetitis B and Tetanus) has been adopted for health care worker and other staff and training regarding Bio Medical Waste handling /Management is also given to the health care workers and concerned staff at the time of induction and from time to time.
- 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.
- 8. Water is sourced from DJB and through water Tankers however details of Tankers / Tanker bills not provided.

- 9. STP of capacity 80 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.
- 10. Flow meter installed at inlet of STP & outlet flow meter found and working condition.
- 11. 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 water not provided.
- 12. 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.
- 13. 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.
- 14. Unit has provided proper channelization system for kitchen emissions and stack height found adequate. DG sets are having acoustic enclosure and adequate stack height.
- 15. Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- 16. Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- 17. All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- 18. Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc & operation of STP is need to be standardized, so that the uniformity can be maintained.

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: 20.02.2017

1. General Information	
(a) Name and Address of the Establishment:	JAYPEE VASANT CONTINENTAL
(Bulk Waste Generator)	Vasant Lok, Vasant Vihar, New Delhi- 57
(b) Owner /Partner / Managing Director's	
Name and Telephone No.	
(c) Month & Year of Establishment	1982
(d) Name and Designation of the Person(s)	Mr. R. L. Mann, 9810334913
Contacted at the site	
(e) Size of Premises (in Square Meter)	(i) Plot Area1250 sqm (ii) Built up Area 19075 sqm
2. Type of Establishment	Five Star Hotel
(Bulk Waste Generator) (Main Activities /	No. of Rooms – 119, Restaurant – 04, (450 Persons)
Units / Facilities (No of Rooms / Beds etc.)	Banquet hall – 01 (300 Persons), Lawn – 01 (500Persons)
3. Status of Licenses	
(a) Environmental Clearance	Not Applicable
(b) Consent under the Air & Water Acts	Yes [Valid upto 18.11.2018]
(c) Municipal Corporation License	Not provided

4. Water and Waste Water

(d) Certificate from Fire Department

(a) Source of Water Supply : (i)Tankers [06 No of Tankers /day-, Yes Provided, (b)Water Consumption / Requirement and Waste Water Generation

Yes [Valid upto 17.06.2019]

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	130 KLD	Rooms= 119x2x180=	
			42840	
(ii)	Air Conditioning /Cooling	30 KLD	Restaurant= 450x70=	
	Plant or Boiler Feed		31500	
(iii)	Kitchen	10 KLD	Banquet=	80% of 103880
			(300+500)x70= 56000	
(iv)	Laundry	30 KLD		
(v)	Swimming Pool	16 KLD		
(vi)	Horticulture / Gardening	25 KLD		
(vii)	Others	27 KLD		
	Total Quantity	268 KLD	130340	104272

* 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	Main	Status of
System Provided	Treatment of	(in KLD)	Treatment& Techno		ETP/STP
	Waste Water		logy	Units	(Operational/ Not
	Generated		used (Biological /		Operational
	from		Physicochemical Pr		
			ocess)		
Effluent Treatment Plant	From laundry	55	Physiochemical	Collection	Operational
(ETP)			process	Tank,	
				Dosing tank	
				Settling tank	
		105		etc	
Sewage Treatment Plant	From	195	Biological	O/G trap,	Operational
(STP)	Hotel		Process	Eq. tank, Aeration	
				tank,	
				Settling	
				tank etc	
(b) Mode of Disposal of Tr	reated Waste V	Vater	: Land Gard		
(c) Whether All Sections c			: Yes	8	
(d) Whether Effluent samp					
(e) Whether Effluent analy			•		
is Meeting the Prescrib	1	2100100			
(f) Whether Flow Meter In		and Outlet	of STP : Yes		
(g) Whether Separate Ener					
(h) Whether Log Book of I					
(i) ETP / STP Sludge gene		8	: No record	provided	
Mode of Disposal	Julion			Compost in H	Iorticulture
(j) Reuse of Treated Wast	te Water• (i) (Gardening	/ Horticulture	-	As informed)
() Reuse of fielded Wast		Cooling To		`	As informed)
	• •) Boiler		NIL	is morned)
		Flushing (Toilets)	NIL	
	. ,	DDA&M	· · · · · · · · · · · · · · · · · · ·		LD (As informed)
	· · · ·	otal Quant		Liters /da	````
	10	Juai Qualit		···· Liters/ua	ry

S.No	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken
1.	Kitchen	05	LPG	Hood and suction arrangement provided to channelize the kitchen emissions over terrace
2.	Boiler	03	HSD/PNG	Adequate stack height
3.	Diesel Generator(s)	03 3X910 KVA	HSD	Acoustic Enclosure and adequate stack height
4.	Others			

7. Waste Management

S. N	Type of Waste	Quantity of Waste		Managemei		Disposal Mechanism	
0.		*Generated/**Estimate	System at the premises site				
		d (Kg/day)				Through	Through Private
					0	Authorized	Vendor (Copy
				Container		Vendor (Copy	of Bill Provided
				s provided		of Authorization	- Yes /No)
				for storing		provided –Yes	(Name & Address of the
			being done	the waste		/No)(Name & Address of the	Vendor)
			aone			Vendor)	vendor)
					uisposa I is	venuor)	
					being		
					maintai		
					ned		
(i)	Municipal Solid	260 kg/day (As	No	No	Yes		M/s HRAE
(-)	Waste	Provided					Waste Pvt. Ltd.
		letter by the					(Agreement not
		Concerned					Provided)
		Unit) 244 kg					ŕ
		Per day (Estimated					
		peak generation)*					
(ii)	Construction &	No records made					
	Demolition Waste	available					
(iii)	Domestic	10.3 Kg/day	Yes	Yes			SKM Petro
	Hazardous Waste						Chemical
							India Pvt. Ltd.
(iv)	Hazardous Waste	No records made	Yes	Yes			IFP Petro
	(Used /Waste Oil)	available					Product Ltd
(v)	E-Waste	No records made	Yes	Yes		M/s HRA E	
		available			ļ	Waste Pvt. Ltd.	
(vi)	Lead Acid Battery						
	Waste	available					
(vi)	Garden Waste	5 Kg	Yes		No	Composting	
(vii)	Recyclable Waste	No records made					
* D		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.

Observations/Comments of the inspection on 20.02.2017

- 1. As informed by the unit, the unit was established in year 1982, Plot Area of the Hotel is 1250 m^2 and Built up Area is 19075 sq m². No Environmental Clearance was available with the unit.
- 2. Hotel is having valid Consent to Operate under Air and Water Act which is valid till 18.11.18.
- **3.** Water is procured from outside tankers. No information provided regarding original source of procurement of water by the water supplier.

- **4.** STP of capacity 195 KLD and ETP of 55KLD have been installed. STP is biological type, ETP is of physicochemical type and both were 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 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 and also sent to SDMC/DDA for horticulture 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. Boilers 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.
- All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc & operation of STP is need to be standardized, so that the uniformity can be maintained.

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1. General Information

(a) Name and Address of the Establishment: Institute of Liver Bilary Sciences, (Bulk Waste Generator) D-1, Vasant Kunj New Delhi : Dr. Girish Chandra – HO(M) (b) Owner /Partner / Managing Director's Name and Telephone No. Dr. Vimal Sharma - DHO (M) (c) Month & Year of Establishment January- 2010 (d) Name and Designation of the Person(s) : Dr. Girish Chandra –HO(M) Contacted at the site 9810769199 (e) Size of Premises (in Square Meter) : (i) Plot Area-50,160 Sqmtr. (ii) Built up Area-79665 Sqmtr. 2. Type of Establishment : Hospital No of Beds – 350, (185 Operational)

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

3. Status of Licenses

- (a) Environmental Clearance : Yes [Issued on 20.07.2010]
- (b) Consent under the Air & Water Acts : Yes [Valid upto 25.04.2018]
- (c) Municipal Corporation License :
- [Not Provided] (d) Certificate from Fire Department : Yes [Valid upto-18.06.2018]

4. Water and Waste Water

(a) Source of Water Supply

:(i) Bore well [04 No(s) Permission from DJB/CGWA..No] (b)Water Consumption / Requirement and Waste Water Generation

OPD- 400, Residentially rooms - 128 No. Visitor - 350 Nos.

Date of Inspection: 20.02.2017

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	253000	Beds= 350x450=	
(ii)	Air Conditioning /Cooling	150000	157500	
	Plant or Boiler Feed		Rooms= 128x2x180=	
(iii)	Kitchen	20000	46080	80% of 214830
(iv)	Laundry	35000	Visitors=	
(v)	Swimming Pool	-	(400+350)x15=11250	
(vi)	Horticulture / Gardening	7000]	
(vii)	Others	60000		
	Total Quantity	525000	214830	171864

* 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	Main	Status of ETP/STP
System Provided	Treatment of	(in KLD)	Treatment& Techno	Constituent	(Operational/ Not
	Waste Water		logy	Units	Operational
	Generated		used (Biological /		
	from		Physicochemical Pr		
			ocess)		
Effluent Treatment	For Laundry	50 KLD	•	Mixing tank,	Operational
Plant (ETP)			Process	Settling tank	
Service of Treastree ant	Een Heenitel	280 KLD	Dialagiaal Duagaaa	Etc. O/G trap,	Onenetional
Sewage Treatment Plant (STP)	For Hospital	280 KLD &	e	O/G trap, Eq. tank,	Operational
		150 KLD		Aeration	
		150 KLD		tank,	
				Settling	
				tank etc	
(b) Mode of Disposal of Tr	reated/untreated	d Waste Wa	ater : Garden	ing etc.	
(c) Whether All Sections c			: Yes		
c) whether An Sections c					
d) Whether Adequacy Rep	port of ETP/ST	P submitted	l : Yes		
d) Whether Adequacy Repe) Whether Effluent samp	port of ETP/ST de taken by DP	P submitted CC laborate	l : Yes ory : Yes	OPCC lab Dat	ted 07 03 2017)
d) Whether Adequacy Repe) Whether Effluent sampf) Whether Effluent analy	port of ETP/ST le taken by DP vsis report from	P submitted CC laborate	l : Yes ory : Yes	DPCC lab Dat	ted 07.03.2017)
d) Whether Adequacy Repe) Whether Effluent sampf) Whether Effluent analyis Meeting the Prescrib	port of ETP/ST ble taken by DP vsis report from ed Standard:	P submitted CC laborate DPCC lab	I : Yes ory : Yes : No (from I	OPCC lab Da	ted 07.03.2017)
 d) Whether Adequacy Rep e) Whether Effluent samp f) Whether Effluent analy is Meeting the Prescrib g) Whether Flow Meter In 	port of ETP/ST ole taken by DP vsis report from ed Standard: nstalled at Inlet	P submitted CC laborate DPCC lab and Outlet	I : Yes ory : Yes : No (from I of ETP/STP : Yes		
 d) Whether Adequacy Rep e) Whether Effluent samp f) Whether Effluent analy is Meeting the Prescrib g) Whether Flow Meter In h) Whether Separate Ener 	port of ETP/ST ble taken by DP vsis report from ed Standard: nstalled at Inlet gy Meter provi	P submitted CC laborate DPCC lab and Outlet ided for ETH	I : Yes ory : Yes : No (from I of ETP/STP : Yes P/STP : Yes		
 d) Whether Adequacy Rep e) Whether Effluent samp f) Whether Effluent analy is Meeting the Prescrib (g) Whether Flow Meter Ir (h) Whether Separate Ener (i) Whether Log Book of I 	port of ETP/ST ble taken by DP vsis report from ed Standard: nstalled at Inlet gy Meter provi ETP / STP is be	P submitted CC laborate DPCC lab and Outlet ided for ETH	I : Yes ory : Yes : No (from I of ETP/STP : Yes P/STP : Yes ined : Yes	(If Yes, Mete	er Reading 5739 Kv
 d) Whether Adequacy Rep e) Whether Effluent samp f) Whether Effluent analy is Meeting the Prescrib g) Whether Flow Meter In h) Whether Separate Ener i) Whether Log Book of I j) ETP / STP Sludge gene 	port of ETP/ST ble taken by DP vsis report from ed Standard: nstalled at Inlet gy Meter provi ETP / STP is be	P submitted CC laborate DPCC lab and Outlet ided for ETH	I : Yes ory : Yes : No (from I of ETP/STP : Yes P/STP : Yes ined : Yes : Quant	(If Yes, Mete ity 8-10 Kg /d	er Reading 5739 Kw day
 d) Whether Adequacy Rep e) Whether Effluent samp f) Whether Effluent analy is Meeting the Prescrib g) Whether Flow Meter Ir h) Whether Separate Ener i) Whether Log Book of I 	port of ETP/ST ble taken by DP vsis report from ed Standard: nstalled at Inlet gy Meter provi ETP / STP is be	P submitted CC laborate DPCC lab and Outlet ided for ETH	I : Yes bry : Yes : No (from I of ETP/STP : Yes P/STP : Yes ined : Yes : Quant : (i) Dispos	(If Yes, Mete ity 8-10 Kg / ed along with	er Reading 5739 Kw day 1 solid waste
 d) Whether Adequacy Rep e) Whether Effluent samp f) Whether Effluent analy is Meeting the Prescrib g) Whether Flow Meter In h) Whether Separate Ener i) Whether Log Book of I j) ETP / STP Sludge gene 	port of ETP/ST ble taken by DP vsis report from ed Standard: nstalled at Inlet gy Meter provi ETP / STP is be	P submitted CC laborate DPCC lab and Outlet ided for ETH	I : Yes bry : Yes : No (from I of ETP/STP : Yes P/STP : Yes ined : Yes : Quant : (i) Dispos (ii) Used	(If Yes, Mete ity 8-10 Kg /a ed along with as Compost i	er Reading 5739 Kw day a solid waste i n Horticulture
 d) Whether Adequacy Rep e) Whether Effluent samp f) Whether Effluent analy is Meeting the Prescrib g) Whether Flow Meter Ir h) Whether Separate Ener i) Whether Log Book of I j) ETP / STP Sludge gene Mode of Disposal 	port of ETP/ST ble taken by DP vsis report from ed Standard: nstalled at Inlet rgy Meter provi ETP / STP is be eration	P submitted CC laborated DPCC lab and Outlet ided for ETH eing maintai	I : Yes bry : Yes : No (from I of ETP/STP : Yes P/STP : Yes ined : Yes : Quant : (i) Dispos (ii) Used	(If Yes, Mete ity 8-10 Kg / ed along with	er Reading 5739 Kw day a solid waste i n Horticulture
 d) Whether Adequacy Rep e) Whether Effluent samp f) Whether Effluent analy is Meeting the Prescrib g) Whether Flow Meter In h) Whether Separate Ener i) Whether Log Book of I j) ETP / STP Sludge gene 	port of ETP/ST ble taken by DP vsis report from ed Standard: installed at Inlet rgy Meter provi ETP / STP is be eration	P submitted CC laborated DPCC lab and Outlet ided for ETH eing maintai	I : Yes pry : Yes : No (from I of ETP/STP : Yes P/STP : Yes ined : Yes : Quant : (i) Dispos (ii) Used (iii) Any	(If Yes, Mete ity 8-10 Kg /d ed along with as Compost i other mode of	er Reading 5739 Kw day solid waste in Horticulture f disposal.
 d) Whether Adequacy Rep e) Whether Effluent samp f) Whether Effluent analy is Meeting the Prescrib g) Whether Flow Meter In h) Whether Separate Ener i) Whether Log Book of I j) ETP / STP Sludge gene Mode of Disposal 	port of ETP/ST ble taken by DP vsis report from ed Standard: nstalled at Inlet rgy Meter provi ETP / STP is be eration te Water (as inf (i) G	P submitted CC laborate a DPCC lab and Outlet ided for ETH eing maintai	l : Yes pry : Yes : No (from I of ETP/STP : Yes P/STP : Yes ined : Yes : Quant : (i) Dispos (ii) Used (iii) Any	(If Yes, Mete ity 8-10 Kg /o ed along with as Compost i other mode of 6000	er Reading 5739 Kw day i solid waste in Horticulture f disposal. 0 Liters /day
 d) Whether Adequacy Rep e) Whether Effluent samp f) Whether Effluent analy is Meeting the Prescrib g) Whether Flow Meter In h) Whether Separate Ener i) Whether Log Book of I j) ETP / STP Sludge gene Mode of Disposal 	port of ETP/ST ble taken by DP vsis report from ed Standard: nstalled at Inlet rgy Meter provi ETP / STP is be eration te Water (as inf (i) G (ii) A	P submitted CC laborated DPCC lab and Outlet ided for ETH eing maintai formed) : fardening / H	I : Yes pry : Yes : No (from I of ETP/STP : Yes P/STP : Yes ined : Yes : Quant : (i) Dispos (ii) Used (iii) Any	(If Yes, Mete ity 8-10 Kg /a ed along with as Compost i other mode of 6000 g Tower 8000	er Reading 5739 Kw day solid waste in Horticulture f disposal. 0 Liters /day 0 Liters /day
 d) Whether Adequacy Rep e) Whether Effluent samp f) Whether Effluent analy is Meeting the Prescrib g) Whether Flow Meter In h) Whether Separate Ener i) Whether Log Book of I j) ETP / STP Sludge gene Mode of Disposal 	port of ETP/ST ble taken by DP vsis report from ed Standard: nstalled at Inlet rgy Meter provi ETP / STP is be eration te Water (as inf (i) G (ii) A (iii)	P submitted CC laborated DPCC lab and Outlet ded for ETH eing maintai formed) : bardening / H Air Conditio Boiler	d : Yes pry : Yes : No (from I of ETP/STP : Yes P/STP : Yes ined : Yes : Quant : (i) Dispos (ii) Used (iii) Any Horticulture pning Plant / Cooling	(If Yes, Mete ity 8-10 Kg /d ed along with as Compost i other mode of 6000 g Tower 8000 3000	er Reading 5739 Kw day solid waste in Horticulture f disposal. 0 Liters /day 0 Liters /day 0 Liters /day
 d) Whether Adequacy Rep e) Whether Effluent samp f) Whether Effluent analy is Meeting the Prescrib g) Whether Flow Meter Ir h) Whether Separate Ener i) Whether Log Book of I j) ETP / STP Sludge gene Mode of Disposal 	port of ETP/ST ble taken by DP vsis report from ed Standard: nstalled at Inlet rgy Meter provi ETP / STP is be eration te Water (as inf (i) G (ii) A (iii)	P submitted CC laborated DPCC lab and Outlet ded for ETH eing maintai formed) : fardening / H Air Conditio Boiler Flushing (Te	d : Yes pry : Yes : No (from I of ETP/STP : Yes P/STP : Yes ined : Yes : Quant : (i) Dispos (ii) Used (iii) Any Horticulture pning Plant / Cooling	(If Yes, Mete ity 8-10 Kg /o ed along with as Compost i other mode of 6000 g Tower 8000 3000 4000	er Reading 5739 Kw day i solid waste in Horticulture f disposal. 0 Liters /day 0 Liters /day 0 Liters /day 0 Liters /day
 d) Whether Adequacy Rep e) Whether Effluent samp f) Whether Effluent analy is Meeting the Prescrib g) Whether Flow Meter Ir h) Whether Separate Ener i) Whether Log Book of I j) ETP / STP Sludge gene Mode of Disposal 	port of ETP/ST ble taken by DP vsis report from ed Standard: nstalled at Inlet rgy Meter provi ETP / STP is be eration te Water (as inf (i) G (ii) A (iii)	P submitted CC laborated DPCC lab and Outlet ded for ETH eing maintai formed) : bardening / H Air Conditio Boiler	d : Yes pry : Yes : No (from I of ETP/STP : Yes P/STP : Yes ined : Yes : Quant : (i) Dispos (ii) Used (iii) Any Horticulture pning Plant / Cooling	(If Yes, Mete ity 8-10 Kg /a ed along with as Compost i other mode of 6000 g Tower 8000 3000 4000 1000	er Reading 5739 Kw day solid waste in Horticulture f disposal. 0 Liters /day 0 Liters /day 0 Liters /day

S.No.	Source of Air Pollution	No and	Fuel Used	Pollution Control Measures Taken
		Capacity		
1.	Kitchen	1	PNG	Hood and Suction arrangement provided to
				Channelize the kitchen emission Over terrace.
2.	Boiler	3	Gas/ HSD	Adequate stack ht provided.
3.	Diesel Generator(s)	5 (3x 1010,	HSD	DG sets are kept in acoustically treated
		2x2000 KVA)		enclosure and having adequate stack height
4.	Others			

7. Waste Management

S. N o.	Type of Waste	Quantity of Waste *Generated/**Esti	Waste Management System at the premises site			Disposal Mechanism	
		mated (Kg/day)	er Proper Segreg ation is being done	er Proper Contai ners provid	generation and disposal is being	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	200 kg/day (As Provided letter by the Concerned Unit) 314 kg Per day (Estimated peak generation)*	No	No	Not Provided		M/s JBG Enterprises
(ii)	Construction & Demolition Waste	No records made Available					
(iii)	Domestic Hazardous Waste	No records made Available					
(iv)	Hazardous Waste (Used /Waste Oil)	400 ltrs/ year	Yes	Yes	Yes		J. B. G
(v)	E-Waste	No records made Available					
(vi)	Lead Acid Battery Waste	By Back system					
(vi)	Garden Waste	50 kg/day	No	No	No	Partial Composting	
(vii)	Recyclable Waste	No records made Available					

*Based on the data furnished by the unit.

**Based on the full occupancy and floating population figure (per capita MSW generated, adopted from solid waste management 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
 - (ii) General and Private Wards
 - (iii) Operation Theatres
 - (iv)ICUs
 - (b) Pretreatment of Laboratory Waste / Blood Bank
 - (c) On site segregation

- : Partly
- : Yes
- : Could not be visited
 - : Yes
 - : Partly
 - : Yes

(d) Common collection point (Temporary collection s (e) Provision for collection and treatment of floor wa		: Yes : Yes
and container trolley		
(f) Total quantum of Bio-Medical Waste generation		Kg/day [as per average a of records of January,
	Yellow	– 144.07Kg/day,
	Red	226Kg/day,
	Blue	 Quantity not provided,
	White (Sharp)- 7.07 Kg/day,
(g) Records for Bio-Medical Waste found maintained.	Yes	
(h) Annual Report for Bio-Medical Waste	No ann	ual report Provided.
8. Rain Water Harvesting System (RWHS)	: No of	RWHS Pits 11 Nos

Observations/Comments of the inspection on 20.02.2017

- 1. As informed by the Hospital, the Hospital was established in year 2010, Plot Area of the Hospital is 50,160 **Sqmtr** and Built up Area is 79665 **Sqmtr**. Environment Clearance was obtained by the Hospital on 20.07.2010
- 2. The Hospital is having valid Consent to Operate under Air and Water Act valid upto 25.04.2018 and having Authorization under BMW rules Valid upto 21.12.2018..
- 3. The hospital is in process of updating themselves for compliance w.r.t. Bio Medical Waste (Management and Handling) Rules, 2016.
- 4. Bio-Medical Waste generated from the hospital is given to CBMWTF (M/s Biotic Waste Solutions Pvt. Ltd, an authorized CBMWTF by DPCC) for its treatment and disposal, 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.
- 5. Closed Trolleys are available for transferring BMW from various wards OT etc.
- 6. Bio-Medical Waste Management is looked after by the infection Control Cell of the hospital and immunization practices (for Hepetitis B and Tetanus) has been adopted for health care worker and other staff and training regarding Bio Medical Waste handling /Management is also given to the health care workers and concerned staff at the time of induction and from time to time.
- 7. As informed, Sludge generated from the STP is used as Compost in Horticulture however as perthe provisions of the Bio-Medical Waste Management Rules, 2016, sludge generated from the Effluent Treatment Plant should be given to Common BioMedical Waste Treatment faci lity for incineration since there is no operational TSDF in Delhi.
- 8. Water is sourced from DJB and through 4 Borewells and not having permission from DJB and CGWA for the same.
- 9. STP of capacity 280 KLD & 150 KLD have been installed and also installed ETP of capacity 50 KLD and all were found operational. As per calculations of DJB, STP design capacity is more than the waste water generation during peak.
- 10. Flow meter installed at inlet of STP & outlet flow meter found and working condition.

- 11. 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.
- 12. 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.
- 13. Effluent samples were collected by DPCC laboratory from the Inlet and Outlet of STP during inspection on 20.02.2017 and Effluent analysis report of DPCC dated 07.03.2017 shows that STP is not meeting the prescribed standards.
- 14. Unit has provided proper channelization system for kitchen emissions and stack height found adequate. DG sets are having acoustic enclosure and adequate stack height.
- 15. Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- 16. Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- 17. All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- 18. Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc & operation of STP is need to be standardized, so that the uniformity can be maintained.

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: 21.02.2017

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

M/s Wave Hospitality Pvt. Ltd (HOLIDAY INN, Asset No. 12, Aero City, IGI, New Delhi Mr. Rakesh Kumar (Director)

March- 2014 Sh. Sandeep Mishra (chief engg.) 8826996448 (i) Plot Area- 6474.97 Sqmt (ii) Built up Area- 32589 Sqmt

Hotel (4 Star) No of Rooms – 265, Banquet Hall – 01, (350 Person) No of Restaurant- 04 (348 Person)

Yes [Issued on 09.02.2010] Yes [Valid upto- 13.03.2019] Yes [Valid upto- 31.03.2017] Yes [Valid upto- 08.08.2017]

4. Water and Waste Water

(a) Source of Water Supply

: Supply by Delhi International Airport Pvt. Ltd.

(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	capacity	(in Liters /day)
		(in Liters /day)	(in Liters /day)	
(i)	Domestic	210000	Rooms= 265x2x180=	
			95400	
(ii)	Air Conditioning /Cooling	70000	Restaurant= 348x70=	
	Plant or Boiler Feed		24360	
(iii)	Kitchen	70000	Banquet= 350x70=	80% of 144260
			24500	
(iv)	Laundry	28000		
(v)	Swimming Pool	9000		
(vi)	Horticulture / Gardening	40000		
(vii)	Others	140000		
	Total Quantity		144260	115408

* As per information furnished by the unit.

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

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

Г	Waste Water Treatment	Provided for	Capacity	Type of	Main	Status of ETP/STP			
	System Provided	Treatment of	(in KLD)	Treatment& Techno					
	System Provided	Waste Water	(III KED)	logy	t Units	Operational			
		Generated		used (Biological /	t Ollits	operational			
		from		Physicochemical Pr					
				ocess)					
	Effluent Treatment Plant (ETP)								
Ī	Sewage Treatment Plant	From Hotels 225		Biological	O/G trap,	Operational			
	(STP)	& laundry		process	Eq. tank,	_			
					Aeration				
					tank,				
					Settling				
			-		tank etc				
	(b) Mode of Disposal of Treated Waste Water : Gardening etc								
~ /	(c) Whether All Sections connected to STP : Yes								
(d) Whether Adequacy Report of STP submitted : Yes									
(e) Whether Effluent sample taken by DPCC laboratory : Yes									
(f) Whether Effluent analysis report from DPCC lab : Yes									
is Meeting the Prescribed Standard:									
(g) Whether Flow Meter Installed at Inlet and Outlet of STP : Yes									
(h) Whether Separate Energy Meter provided for STP : No									
(i)	(i) Whether Log Book of ETP / STP is being maintained : Yes(but not with flow meter reading)								
(j)	ETP / STP Sludge generation : No record provided								
	Mode of Disposal	Iode of Disposal: Used as Compost in Horticulture							
(j	(j) Reuse of Treated Waste Water: (i) Gardening / Horticulture 40000 Lite								
		(ii) C		60000 Liters /day					
		(iii) Boiler 15000 Liters /day							
	(iv) Flushing (Toilets) 70000 Liters /day								
(v) Any other						Liters /day			
		Τ	ity	185000 Liters /day					

S.No	Source of Air Pollution	No and	Fuel Used	Pollution Control Measures Taken
		Capacity		
1.	Kitchen	04	LPG	Hood and Suction arrangement provided to
				Channelize the kitchen emission over terrace
2.	Boiler	02	HSD+PNG	Adequate stack ht
3.	Diesel Generator(s)	02	HSD	DG sets are kept in acoustically treated
		2X1250 KVA		enclosure and having adequate stack height
4.	Others			

	e Management		1					
S. N	Type of Waste	Quantity of Waste	Waste Management System			Disposal Mechanism		
0.		*Generated/	at the pr	emises site				
		**Estimated (Kg/day)	Whethe	Whether	Whethe	Through	Through Private	
			r Proper	Proper	r Log	Authorized	Vendor (Copy of Bill	
				Container		Vendor (Copy	Provided – Yes /No)	
				s provided		of Authorization	(Name & Address of	
				for storing		provided –Yes	the Vendor)	
			done	the Waste		/No)(Name &		
						Address of the		
						Vendor)		
					l is being			
					being maintai			
					ned			
(i)	Municipal Solid	450 Kg/Day	No	No	Yes		M/s Yadav Contracto	
(1)	Waste	(As	110	110	105		Agreement	
		Informed verbally					Not Provided	
		During inspection)						
		334.8 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)							
(v)	E-Waste	No records made available						
(Lead Acid Battery							
(vi)	Waste	available						
(vi)	Garden Waste	02 Kg/Day	No	No	No	Not provided		
(vi) (vii)	Recyclable Waste	No records made	110	110	110			
((11)	Recyclapie waste	available						
*D	1 1 1 . C		1		1	1		

*Based on the data furnished by the unit.

**Based on the 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

Observations/Comments of the inspection on 21.02.2017

- 1. As informed by the unit, the unit was established in year 2014, Plot Area of the Motel is **6474.97 Sqmtr** and Built up Area is **32589 Sqmtr**. Environment Clearance is available with the unit and Issued on 09.02.2010.
- 2. The Hotel is having valid Consent to Operate under Air and Water Act which is valid till **13.03.2019**.
- 3. Water Supply by Delhi International Airport Pvt. Ltd.
- 4. STP of capacity 225 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 (No information is available in the CPHEEO Manual regarding water requirement by banquet halls however DJB has considered Banquet Halls at par with the Restaurants).

- 5. Flow meters were found installed at Inlet & outlet of STP. No separate energy meter provided for STP.
- 6. Logbook of STP maintained but Water flow meter reading & sludge quantity not maintained.
- 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, cooling tower, flushing.
- 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 Hotel 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**

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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 Yes [Valid upto- 24.02.2018]
- (c) Municipal Corporation License
- (d) Certificate from Fire Department

4. Water and Waste Water

(a) Source of Water Supply

Asset. No. 09, Hospitality District, Aero city, IGI New Delhi -110037. **Mr.Gaurav** Dhingra

Dec 2012 Sh. Shailesh Khandelwal 9899171950 (i) Plot Area- 7845.08 Sqmt (ii) Built up Area- 26666.21 Sqmt

> Hotel No. of Rooms – 445, Restaurant- 01 (201 Person) Banquet Hall – 03, (110 Person)

Yes [Issued on 04.08.2010] Yes [Valid upto- 31.03.2017]

Yes [Valid upto- 18.04.2019]

: Supply by Delhi International Airport Pvt. Ltd. (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	90000	Rooms= 445x2x180=	
(ii)	Air Conditioning /Cooling	4000	160200	
	Plant or Boiler Feed		Restaurant= 201x70=	
(iii)	Kitchen	1500	14070	80% of 181970
(iv)	Laundry	1000	Banquet= 110x70=	
(v)	Swimming Pool	4000	7700	
(vi)	Horticulture / Gardening	35000]	
(vii)	Others	15000		
	Total Quantity	150500	181970	145576

* As per information furnished by the unit.

** Estimated as per standards of CPHEEO Manual, 1999

M/s Inter Globe Hotels Pvt. Ltd. (IBIS Hotel),

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

System Provided Treatment of Waste Water Generated from (in KLD) Treatment & Technology Constituen (Operational / Not Operational Effluent Treatment Plant (ETP) iron Physicochemical Process 0/G trap, Eq. tank, Aeration tank, Settling tank etc Operational Sewage Treatment Plant (STP) Hotel 275 Biological O/G trap, Eq. tank, Aeration tank, Settling tank etc Operational (b) Mode of Disposal of Treated Waste Water : Gardening etc Operational Settling tank etc (c) Whether All Sections connected to STP : Yes Yes Settling tank etc (d) Whether Effluent analysis report from DPCC lab : Yes Yes Settling tank etc (g) Whether Flow Meter Installed at Inlet and Outlet of STP : No Settling tank etc Settling tank etc (i) Whether Log Book of ETP / STP is being maintained : Yes : Used as Compost in Horticulture (j) ETP / STP Sludge generation : Used as Compost in Horticulture 35000 liters /day (ii) Cooling Tower (iii) Boiler Nil Liters /day 30000 Liters /day (iv) Yany other Nil Liters /day Operational Stay	Waste Water Treatment	Provided for	Capacity	Type of	Main	Status of ETP/STP
Generated from used (Biological / Physicochemical Pr ocess) Image: Comparison of the physicochemical Pr ocess) Effluent Treatment Plant (ETP) Image: Comparison of the physicochemical Pr ocess) Image: Comparison of the physicochemical Pr ocess) O/G trap, Eq. tank, Aeration Operational Sewage Treatment Plant (STP) Hotel Premises 275 Biological Process O/G trap, Eq. tank, Aeration Operational (b) Mode of Disposal of Treated Waste Water : Gardening etc Settling tank etc Settling Operational (c) Whether All Sections connected to STP : Yes Yes Settling Settling (d) Whether Adequacy Report of STP submitted : Yes Yes Settling Settling (f) Whether Effluent sample taken by DPCC laboratory : Yes Settling Settling Settling (g) Whether Flow Meter Installed at Inlet and Outlet of STP : No Settling Settling Settling (i) Whether Log Book of ETP / STP is being maintained : Yes Setdling / Horticulture 35000 liters/day (as informed. Settling / Horticulture 35000 liters/day (as informed. Settling / Horticulture Stool Liters /day (ii) Boiler Will Liters /day Stool Liters /day Stool Liters /day Stool Liters /day </td <td>System Provided</td> <td>Treatment of</td> <td>(in KLD)</td> <td>Treatment& Techno</td> <td>Constituen</td> <td>(Operational/ Not</td>	System Provided	Treatment of	(in KLD)	Treatment& Techno	Constituen	(Operational/ Not
from Physicochemical Process Effluent Treatment Plant (ETP) Sewage Treatment Plant (STP) Hotel Premises 275 Biological Process O/G trap. Eq. tank, Aeration tank, Settling tank etc Operational (b) Mode of Disposal of Treated Waste Water : Gardening etc O/G trap. Operational (c) Whether All Sections connected to STP : Yes Yes Operational (d) Whether Adequacy Report of STP submitted : Yes Yes Operational (f) Whether Effluent analysis report from DPCC lab : Yes Sewage Standard: (g) Whether Flow Meter Installed at Inlet and Outlet of STP : No No Standard: (i) Whether Log Book of ETP / STP is being maintained : Yes : 2.5 kg/day (As informed. No record prov. Mode of Disposal : Used as Compost in Horticulture (j) Reuse of Treated Waste Water: (i) Gardening / Horticulture 35000 liters/day (as informed. Nil Liters /day 30000 Liters /day (ii) Flushing (Toilets) . 30000 Liters /day . 30000 Liters /day . 30000 Liters /day					t Units	Operational
Effluent Treatment Plant (ETP) Sewage Treatment Plant (STP) Hotel 275 Biological O/G trap, Process Operational Sewage Treatment Plant (STP) Premises 275 Biological O/G trap, Process Operational (STP) Premises Premises Process Eq. tank, Aeration tank, Settling tank etc Operational (b) Mode of Disposal of Treated Waste Water : Gardening etc Settling Composition (c) Whether All Sections connected to STP : Yes Yes Settling (d) Whether Adequacy Report of STP submitted : Yes Yes Settling (e) Whether Effluent sample taken by DPCC laboratory : Yes Settling Settling (g) Whether Flow Meter Installed at Inlet and Outlet of STP : Only at outlet of STP Settling (i) Whether Log Book of ETP / STP is being maintained : Yes Stool inters/day (As informed. No record prov (j) Reuse of Treated Waste Water (i) Gardening / Horticulture 35000 liters/day (as informed. (j) Reuse of Treated Waste Water (i) Gardening / Horticulture <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
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(b) Mode of Disposal of Treated Waste Water : Gardening etc (c) Whether All Sections connected to STP : Yes (d) Whether Adequacy Report of STP submitted : Yes (e) Whether Effluent sample taken by DPCC laboratory : Yes (f) Whether Effluent analysis report from DPCC lab : Yes (g) Whether Flow Meter Installed at Inlet and Outlet of STP : Only at outlet of STP (h) Whether Separate Energy Meter provided for STP : No (i) Whether Log Book of ETP / STP is being maintained : Yes (j) ETP / STP Sludge generation : 2.5 kg/day (As informed. No record prov. Mode of Disposal (j) Reuse of Treated Waste Water: (i) Gardening / Horticulture 35000 liters/day (as informed. No record prov. Mode of Disposal (j) Reuse of Treated Waste Water: (i) Gardening / Horticulture 35000 liters/day (as informed. No record prov. Mode of Disposal (j) Reuse of Treated Waste Water: (i) Gardening / Horticulture 35000 liters/day (as informed. No record prov. Mode of Disposal (j) Reuse of Treated Waste Water: (i) Gardening / Horticulture 35000 liters/day (as informed. No record prov. Mode of Disposal (j) Reuse of Treated Waste Water: (i) Gardening / Horticulture 35000 liters/day (as informed. No record prov. Nil Liters /day (iii) Doiler Nil Liters /day	<u> </u>		275	Biological	T .	Operational
b) Mode of Disposal of Treated Waste Water : Gardening etc c) Whether All Sections connected to STP : Yes d) Whether Adequacy Report of STP submitted : Yes e) Whether Adequacy Report of STP submitted : Yes f) Whether Effluent sample taken by DPCC laboratory : Yes f) Whether Effluent analysis report from DPCC lab : Yes g) Whether Flow Meter Installed at Inlet and Outlet of STP : Only at outlet of STP h) Whether Separate Energy Meter provided for STP : No i) Whether Log Book of ETP / STP is being maintained : Yes j) ETP / STP Sludge generation : 2.5 kg/day (As informed. No record prov. Mode of Disposal (j) Reuse of Treated Waste Water: (i) Gardening / Horticulture 35000 liters/day (as informed. (ii) Cooling Tower (iii) Boiler Nil Liters /day	(STP)	Premises		Process		
b) Mode of Disposal of Treated Waste Water : Gardening etc c) Whether All Sections connected to STP : Yes d) Whether Adequacy Report of STP submitted : Yes e) Whether Effluent sample taken by DPCC laboratory : Yes f) Whether Effluent analysis report from DPCC lab : Yes g) Whether Flow Meter Installed at Inlet and Outlet of STP : Only at outlet of STP g) Whether Separate Energy Meter provided for STP : No i) Whether Log Book of ETP / STP is being maintained : Yes j) ETP / STP Sludge generation : 2.5 kg/day (As informed. No record prov. Mode of Disposal : Used as Compost in Horticulture (ii) Cooling Tower 4000 Liters/day (iii) Boiler Nil Liters /day (iv) Flushing (Toilets) 300000 Liters /day (v) Any other Nil Liters /day						
b) Mode of Disposal of Treated Waste Water : Gardening etc c) Whether All Sections connected to STP : Yes d) Whether Adequacy Report of STP submitted : Yes e) Whether Effluent sample taken by DPCC laboratory : Yes f) Whether Effluent analysis report from DPCC lab : Yes g) Whether Flow Meter Installed at Inlet and Outlet of STP : Only at outlet of STP h) Whether Separate Energy Meter provided for STP : No i) Whether Log Book of ETP / STP is being maintained : Yes j) ETP / STP Sludge generation : 2.5 kg/day (As informed. No record prov. Mode of Disposal : Used as Compost in Horticulture (j) Reuse of Treated Waste Water: (i) Gardening / Horticulture 35000 liters/day (as informed. (iii) Cooling Tower 4000 Liters /day 4000 Liters /day (iv) Flushing (Toilets) 30000 Liters /day 30000 Liters /day (v) Any other Nil Liters /day 11 Liters /day						
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 (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 : Only at outlet of STP h) Whether Separate Energy Meter provided for STP : No (i) Whether Log Book of ETP / STP is being maintained : Yes is 2.5 kg/day (As informed. No record provements of Disposal is 2.5 kg/day (As informed. No record provements of Disposal is 2.5 kg/day (As informed. No record provements of Disposal is 0.5 kg/day (As i						
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 i) Whether Log Book of ETP / STP is being maintained : Yes j) ETP / STP Sludge generation Mode of Disposal : Used as Compost in Horticulture (j) Reuse of Treated Waste Water: (i) Gardening / Horticulture 35000 liters/day (as informed (ii) Cooling Tower (iii) Boiler 4000 Liters /day (iv) Flushing (Toilets) 30000 Liters /day (v) Any other Nil Liters /day 				-	tiet of STP	
 j) ETP / STP Sludge generation Mode of Disposal (i) Gardening / Horticulture (i) Gardening / Horticulture (ii) Cooling Tower (iii) Boiler (iii) Boiler (iv) Flushing (Toilets) (v) Any other (i) State (As informed. No record proversion of the proversion of	-					
Mode of Disposal: Used as Compost in Horticulture(j) Reuse of Treated Waste Water:(i) Gardening / Horticulture (ii) Cooling Tower (iii) Boiler35000 liters/day (as informed 4000 Liters /day(iii) Boiler (iv) Flushing (Toilets) (v) Any otherNil Liters /day	e e		eing maintai			
 (j) Reuse of Treated Waste Water: (i) Gardening / Horticulture (ii) Cooling Tower (iii) Boiler (iv) Flushing (Toilets) (v) Any other 35000 liters/day (as informed 4000 Liters /day 30000 Liters /day Nil Liters /day 	<i>2 2 2</i>	ration		Ŭ .		± /
(ii) Cooling Tower4000 Liters /day(iii) BoilerNil Liters /day(iv) Flushing (Toilets)30000 Liters /day(v) Any otherNil Liters /day		N I I I	.			
(iii) BoilerNil Liters /day(iv) Flushing (Toilets)30000 Liters /day(v) Any otherNil Liters /day	(j) Reuse of Treated Wast		-			5 ()
(iv) Flushing (Toilets)30000 Liters /day(v) Any otherNil Liters /day		• •	0	ver		-
(v) Any other Nil Liters /day		· · ·				•
		. ,	0	onets)		
Total Quantity 69000 Liters /day			-	. • .		5
r Pollution Aspects		'J	l'otal Quant	tity	69000 Li	iters /day

S.No	Source of Air Pollution	No and	Fuel Used	Pollution Control Measures Taken
		Capacity		
1.	Kitchen	01	PNG	Hood and Suction arrangement provided to
				Channelize the kitchen emission over terrace
2.	Boiler	03	PNG+HSD	Adequate stack ht
3.	Diesel Generator(s)	03	HSD	DG sets are kept in acoustically treated
		3X750KVA		enclosure and having adequate stack height
4.	Others			

	e Management						
S. N 0.	Type of Waste	Quantity of Waste *Generated/		Waste Management Sys at the premises site		Disposal Me	chanism
		**Estimated (Kg/day)	r Proper Segregat ion is being	Proper Container s provided for storing the Waste	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	180 Kg/Day (As Provided letter by the Concerned Unit) 476.10 kg Per day (Estimated peak generation)*	No	No	No		M/s DWM Ltd.
(ii)	Construction & Demolition Waste	No records made Available					
(iii)	Domestic Hazardous Waste	No records made Available					
(iv)	Hazardous Waste (Used /Waste Oil)	No records made Available					
(v)	E-Waste	No records made Available					
(vi)	Lead Acid Battery Waste	No records made available					
(vi) (vii)	Garden Waste Recyclable Waste	2-3 kg/day No records made available	No	No	No	Partial Compo	

*Based on the data furnished by the unit.

**Based on the 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

Observations/Comments of the inspection on 21.02.2017

- 1. As informed by the Hotel, It was established in year 2012, Plot Area of the Hotel is 7845.08 Sq mtr and Built up Area is 26666.21 Sq mtr. Environment Clearance is available and Issued on 04.08.2010.
- 2. The Hotel is having valid Consent to Operate under Air and Water Act which is valid till 24.02.2018.
- 3. Water Supply by Delhi International Airport Pvt. Ltd.
- 4. STP of capacity 275 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. Flow meters were found installed only at outlet of STP. No separate energy meter provided for STP.
- 6. Logbook of STP maintained.
- 7. 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.
- 8. As per information provided for quantum of sludge generated from STP is only 2.5 kg/day which 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 Hotel is meeting the effluent standards.
- 10. Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height.
- 11. Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- 12. Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- 13. All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- 14. Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc & operation of STP is need to be standardized, so that the uniformity can be maintained.

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

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

Date of Inspection: 21.02.2012

	Date of hispection, 21.02.2012
(a) Name and Address of the Establishment:	M/s A.B. HOTELS LTD (RADISSON BLUE PLAZA)
(Bulk Waste Generator)	NH- 8, Mahipalpur, Delhi-37.
(b) Owner /Partner / Managing Director's	M/s Ramesh Kapur (M.D)
Name and Telephone No.	011-26779191
(c) Month & Year of Establishment	March- 1993
(d) Name and Designation of the Person(s)	Anil Sawhney
Contacted at the site	9811989989
(e) Size of Premises (in Square Meter)	(i) Plot Area- 21530 M^2 (ii) Built up Area- 32138.94 M^2

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 Yes [Valid upto- 26.11.2018] (c) Municipal Corporation License (d) Certificate from Fire Department

4. Water and Waste Water

(a) Source of Water Supply

Five Star Hotel No. of Room- 267, Restaurant-5, (350 Person)

No. of Banquet Hall- 03 (600 Person)

Not Applicable Yes [Valid upto- 31.03.2017] Yes [Valid upto- 30.03.2018]

(i) Bore well -02 Nos [01 Permission from DJB/CGWA-Yes] **01-** Without Permission

(ii) Tankers [No of Tankers /day- 05] Record 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	236000	Rooms = 267x2x180 =	
(ii)	Air Conditioning /Cooling	18000	96120	
	Plant or Boiler Feed		Restaurant= 350x70=	
(iii)	Kitchen	3300	24500	80% of 162620
(iv)	Laundry	44000	Banquet= 600x70=	
(v)	Swimming Pool	18000	42000	
(vi)	Horticulture / Gardening	Nil]	
(vii)	Others	Nil		
	Total Quantity	349000	162620	130096

* 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	Main	Status of ETP/STP	
	System Provided	Treatment of	(in KLD)	Treatment& Techno			
	System Provided	Waste Water	(III KLD)	logy	t Units	Operational	
		Generated		used (Biological /	t Olitis	operational	
		from		Physicochemical Pr			
				ocess)			
	Effluent Treatment Plant (ETP)						
	Sewage Treatment Plant	From hotel	450	Biological	O/G trap,	Operational	
	(STP)	and laundry		treatment	Eq. tank,		
					Aeration		
					tank,		
					Settling		
(1-	Malas f D'anas 1 s f Tu		7 - 4	Caulanina	tank etc		
) Mode of Disposal of Tr			: Gardening	etc		
· ·) Whether All Sections co			:Yes : Yes			
) Whether Adequacy Rep						
) Whether Effluent sampl	•		Yes			
(1)	Whether Effluent analys	-	DPCC lab	. 185			
(~	is Meeting the Prescribe		and Outlat a	FCTD Vec			
) Whether Flow Meter In) Whether Separate Energy						
•	· · · · ·	- 1			not with flo	w motor reading)	
(i)	U		ing mannan			ow meter reading) formed No record	
(j)	00	ration		. Quantity I	0 kg(as mit	office no record	
	provided) Mode of Dispasel			. Used es (Tompost in	Hantiquiture	
	Mode of Disposal: Used as Compost in Horticulture(j) Reuse of Treated Waste Water:(i) Gardening / Horticulture75000 Liters /day						
(j) Reuse of freated was		0			75000 Liters /day	
	(ii) Cooling Tower (iii) Boiler					8000 Liters /day	
		oilets)		Vil Liters /day			
			0000 Liters /day 2000 Liters /day				
			25000 Liters /day				
		I	Cotal Quant	ity	2	25000 LITEIS / Uay	

S.No.	Source of Air Pollution	No and	Fuel Used	Pollution Control Measures Taken
		Capacity		
1.	Kitchen	06	LPG	Hood and Suction arrangement provided to
				Channelize the kitchen emission over terrace
2.	Boiler	03	HSD	Stack attached to wet scrubber
3.	Diesel Generator(s)	03	HSD	DG sets are kept in acoustically treated enclosure
		2X1750KVA		and having adequate stack height
		1X1050KVA		
4.	Hot water generator	03	HSD	Adequate stack ht

	e Management		1			1		
S. N 0.	Type of Waste	Quantity of Waste *Generated/		Waste Management System at the premises site			Disposal Mechanism	
		**Estimated (Kg/day)	Proper Segregatio	Containe rs provided for storing	er Log Book for Waste generat ion 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	305 kg/day (As Provided letter by the Concerned Unit) 362 kg Per day (Estimated peak generation)	Yes (Two Color Coded is not Provided)	Yes	Yes		M/s Chaudhary Contractor	
(ii)	Construction & Demolition Waste	48.66 kg/Day	Yes	Yes	Yes		M/s S.R. Engg.	
(iii)	Domestic Hazardous Waste	No records made available						
(iv)	Hazardous Waste (Used /Waste Oil)	3.06kg/day(as informed)	Yes	Yes	No	M/s Bharat Oil Co		
(v)	E-Waste	0.13/day(as informed)	Yes	Yes	No	No		
(vi)	Lead Acid Battery Waste	As informed battery given back to the supplier under buy back agreement						
(vi)	Garden Waste	3 kg/day	Yes	Yes	Yes		Composting	
(vii)	Recyclable Waste	No records made available						

*Based on the data furnished by the unit. **Based on the 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- 04 Nos.

Observations/Comments of the inspection on 21.02.2017

- 1. As informed by the unit, the unit was established in year 1993, Plot Area of the Hotel is 21530 Sqmtr and Built up Area is 32138.94 Sqmtr. No Environment Clearance was available with the unit.
- 2. The Hotel is having valid Consent to Operate under Air and Water Act which is valid till 26.11.2018.
- 3. Water is Sourced from 2 bore well. Permission obtained for only one borewell from CGWA/DJB.
- 4. STP of capacity 450 KLD has been installed. STP is biological type and was found operational. As per calculations of DJB, STP design capacity is more than the waste water generation during peak (No information is available in the CPHEEO Manual regarding water requirement by banquet halls however DJB has considered Banquet Halls at par with the Restaurants).
- 5. Flow meters were installed at Inlet & outlet of STP same found in working condition. No separate energy meter provided for STP.
- 6. Logbook of STP maintained but not with flow meter reading & sludge quantity.
- 7. The information/record with regarding to water mass balance provided however as informed treated effluent re used for gardening purpose, cooling tower, Flushing etc.
- 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 Hotel 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 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: 22.02.2017

1. General Information	*				
(a) Name and Address of the Establishment:	THE UMRAO HOTELS AND RESORTS PVT. LTD.				
(Bulk Waste Generator)	NH-08, SAMALIKA, NEW DELHI-37.				
(b) Owner /Partner / Managing Director's	Mr. Virender Teotia				
Name and Telephone No.	011-47707070				
(c) Month & Year of Establishment	August- 2012				
(d) Name and Designation of the Person(s)	Mr. Sanjay Chopra- Chief Engineer 8285107303				
Contacted at the site	Mr. Manish Bhardwaj- Finance Controller				
(e) Size of Premises (in Square Meter) (i) Plot Area- 39570 Sqmtr. (ii) Built up Area- 3688.59 Sqmtr.					
2. Type of Establishment	Motels				
(Bulk Waste Generator) (Main Activities	No. of Rooms – 55, Lawn- 04, (3000 Persons)				
Units / Facilities (No of Rooms / Beds etc.)	Restaurant- 01 (46 Persons), Banquet Hall – 02 (128 Persons)				

3. Status of Licenses

(a) Environmental Clearance	Not Applicable	
(b) Consent under the Air & Water Acts	Yes [Valid upto 29.01.2018]	
(c) Municipal Corporation License	Yes [Valid upto- 31.03.2017]	Document not provided
(d) Certificate from Fire Department	Yes [Valid upto- 23.11.2019]	

4. Water and Waste Water

(a) Source of Water Supply

(i) Bore well - 01 No [Permission from DJB- Yes]

(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	40000	Rooms=	
(ii)	Air Conditioning /Cooling		55x2x180=19800	
	Plant or Boiler Feed		Restaurant=	
(iii)	Kitchen	15000	46x70=3220	80% of 241980 ltr.
(iv)	Laundry	1000	Banquet=	
(v)	Swimming Pool	2000	(3000+128)x70=	
(vi)	Horticulture / Gardening		218960	
(vii)	Others]	
	Total Quantity	58000	241980	193584

* 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	Main	Status of
System Provided	Treatment of	(in KLD)	Treatment& Technol	Constituent	ETP/STP
	Waste Water		ogy	Units	(Operational/
	Generated		used (Biological /		Not
	from		Physicochemical Pro		Operational
			cess)		
Effluent Treatment Plant (ETP)					
Sewage Treatment Plant	From Motel	80	Biological	O/G trap,	Operational
(STP)	premises		Treatment	Eq. tank,	
				Aeration	
				tank,	
				Settling	
			Cardan'n a	tank etc	
b) Mode of Disposal of Tro			: Gardening		
c) Whether All Sections co				Yes	
d) Whether Adequacy Rep			: Yes		
e) Whether Effluent sampl	•		•		
f) Whether Effluent analys	-	n DPCC lab	: Yes		
is Meeting the Prescribe					
g) Whether Flow Meter Ins				er Only at c	outlet of STP
n) Whether Separate Energ	gy Meter prov	ided for ST	P : No		
) Whether Log Book of E	TP / STP is b	eing mainta	ined : Yes		
i) ETP / STP Sludge gener	ration		: Quantity 2 kg (A	As informed	d. No record provi
Mode of Disposal			: Used as C	Compost in	Horticulture
j) Reuse of Treated Waste	Water: (i) (Gardening	/ Horticulture	5	0,000 Litres/Day
		-	oning Plant / Cooling	g Tower 5	000 Liters /day
		Boiler		-	Liters /day
	· · ·	Flushing (T	oilets)		Liters /day
		Any other			Liters /day
	(\mathbf{v})				
			Total Ou	iantity - 5	5000 Liters /day

S.No.	Source of Air Pollution	No and	Fuel Used	Pollution Control Measures Taken
		Capacity		
1.	Kitchen	03	LPG	Hood and suction arrangement
				provided to channelize the
				kitchen emissions over terrace
2.	Hot water Generator	02	HSD	Adequate stack
				height
3.	Diesel Generator(s)	02	HSD	Acoustic Enclosure
		1X500 KVA		and adequate stack height
		1X380 KVA		
4.	Others			

			XX74- N	A	G	Dimension	•
S. N 0.	Type of Waste	Quantity of Waste *Generated/		/Ianagement remises site	t System	Disposal Mec	nanism
		**Estimated (Kg/day)	Whethe r Proper Segrega tion is	Whether Proper Containers provided for storing the Waste	Book 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	205 kg/ Day (As Provided letter by the Concerned Unit) 372.4 kg Per day (Estimated peak generation)	No	No	No		M/s Chaudhary Contractor
(ii)	Construction & Demolition Waste	No records made available					
(iii)	Domestic Hazardous Waste	No records made available					
(iv)	Hazardous Waste (Used /Waste Oil)	No records made available					
(v)	E-Waste	No records made available					
(vi)	Lead Acid Battery Waste	No records made available					
(vi)	Garden Waste	200gm/day	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

Observations/Comments of the inspection on 22.02.2017

- 1. As informed by the unit, the unit was established in year 2012, Plot Area of the motel is 39570 m² and Built up Area is 3688 sq m². 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 29.01.2018.
- 3. Water is procured from 1 Ground Bore well.
- 4. STP of capacity 80 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. Flow meters were found installed at outlet of STP only. 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 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. Hot Water generator are with 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 Compliance is performed by outsource agency, which does not have adequate knowledge of the requirement.
- 14. Log book/Formats for record keeping of all types of waste i.e. Municipal Solid waste, C&D waste, E-waste, etc. & operation of STP is need to be standardized, so that the uniformity can be maintained.

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

[W.R.T Orders of Hon'ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI & Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt of NCT &Ors] Date of Inspection: 22.02.2017

1. General Information

1. General Information	
(a) Name and Address of the Establishment:	M/s SHANTI HOSPITALITY PVT .LTD
(Bulk Waste Generator)	(FOUR POINTS BY SHERATON) Kh No-32/7
	Plot No. 9, Samalka, NH-8, New Delhi – 110037
(b) Owner /Partner / Managing Director's	Mr. Gurmeet Uberai
Name and Telephone No.	
(c) Month & Year of Establishment	September- 2012
(d) Name and Designation of the Person(s)	Sh. Manoj Kumar
Contacted at the site	9999585311
(e) Size of Premises (in Square Meter)	(i) Plot Area-38445 Sqmtr (ii) Built up Area-8361 Sqmtr
2. Type of Establishment	Motel
(Bulk Waste Generator) (Main Activities /	Rooms – 70, Restaurant- 01, (60 Persons)
Units / Facilities (No of Rooms / Beds etc.)	Lawn – 03, (900 Persons),
3. Status of Licenses	
(a) Environmental Clearance	Not Applicable
(1) \mathbf{C} = \mathbf{r} = \mathbf{r} = \mathbf{r} = \mathbf{I} = \mathbf{A} = \mathbf{A} = \mathbf{R} = \mathbf{W} = \mathbf{A} = \mathbf{A} = \mathbf{A}	11
(b) Consent under the Air & Water Acts	Yes [Valid upto-26.04.2017]
(b) Consent under the Air & water Acts (c) Municipal Corporation License	Yes [Valid upto-26.04.2017] Yes [Valid upto-31.03.2017]

4. Water and Waste Water

(a) Source of Water Supply

(i) Bore well – 03 Nos. [Permission from DJB/CGWA- No] (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	30888	Rooms= 70x2x180=	
(ii)	Air Conditioning /Cooling	15000 for AC	25200	
	Plant or Boiler Feed	4000 for boiler	Restaurant= 60x70=	
(iii)	Kitchen	6400	4200	80% of 92400
(iv)	Laundry	10800	Lawn= 900x70=	
(v)	Swimming Pool	1800	63000	
(vi)	Horticulture / Gardening]	
(vii)	Others	11500		
	Total Quantity	80388	92400	73920

* As per information furnished by the unit.

** Estimated as per standards of CPHEEO Manual, 1999

(a) Waste Water Treatmo	ent System				
	Waste Water Treatment	Provided for	Capacity	Type of	Main	Status of ETP/STP
	System Provided	Treatment of	(in KLD)	Treatment& Techno		
	5	Waste Water		logy	t Units	Operational
		Generated		used (Biological /		
		from		Physicochemical Pr		
				ocess)		
	Effluent Treatment Plant					
	(ETP)					
	Sewage Treatment Plant	From Motel	100	e e	O/G trap,	Operational
	(STP)			Process	Eq. tank,	
					Aeration	
					tank,	
					Settling	
<i>(</i>]-	Mada of Dispasal of Tr	antad Wanta W	Vatar		tank etc	
) Mode of Disposal of Tro			: Gardening	etc	
) Whether All Sections co			: Yes		
) Whether Adequacy Rep			: Yes		
•) Whether Effluent sampl	•		•		
(1)) Whether Effluent analys	-	DPCC lab	: Yes		
,	is Meeting the Prescribe		10.1			1.
) Whether Flow Meter Ins				itlet but not	working
) Whether Separate Energy					
) Whether Log Book of E		eing maintai			
(j)) ETP / STP Sludge gener	ration		: No record	1	
	Mode of Disposal: Used as Compost in Horticulture					
(j) Reuse of Treated Waste		0	Horticulture		46898 Liters/Day
		• •	Cooling Tow	ver		2000 Liters /day
						Nil Liters /day
			Flushing (To	oilets)		2500 Liters /day
		• •	Any other			Liters /day
		T	Total Quant	ity	6	1398 Liters /day
•	Dollartion A amonta					

5. Waste Water Management

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

• • • •	ste Management						
S.	N Type of Waste	Quantity of Waste		Ianageme		Disposal Mechanism	
0	•	*Generated/ *Estimated	System a	t the pre	mises		
		(Kg/day)	site				
			Whethe	Whethe	Whethe	Through	Through Private
			r Proper	r Proper	r Log	Authorized	Vendor (Copy of
			Segregat	Contain	Book	Vendor (Copy	Bill Provided – Yes
			ion is	ers	for	of Authorization	/No) (Name &
			being	provided		provided –Yes	Address of the
			done			/No)(Name &	Vendor)
				storing	ion and	Address of the	
				the	disposa	Vendor)	
				Waste	l is		
					being		
					maintai		
					ned		
(i)		75 kg/day(As	No	No	Yes		M/s Chaudhary
	Waste	Provided					Contractor
		letter by the					
		Concerned					
		Unit) 166 kg					
		Per day (Estimated					
		peak generation)					
(ii	,	No records made					
	Demolition Waste	available					
(ii		No records made					
	Hazardous Waste	available					
(iv		No records made					
	(Used /Waste Oil)		ļ		ļ		
(v) E-Waste	No records made					
		available					
(v							
	Waste	No records made					
		available					
(v	i) Garden Waste	20 kg/day	No	No	No	Partially	
						Composting	
(v	ii) Recyclable Waste	6 kg					
		No records made					
		available					

*Based on the data furnished by the unit.

**Based on the 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 Pit-08 (Partially functional)

Observations/Comments of the inspection on 22.02.2017

- 1. As informed by the unit, the unit was established in year 2012, Plot Area of the Motel is **38445 Sqmtr** and Built up Area is **8361 Sqmtr**. No Environment Clearance was available with the unit.
- 2. The Motel is having valid Consent to Operate under Air and Water Act which is valid till 26.04.2017.

- 3. Water is Sourced from 3 bore well. No permission obtained for any borewell from CGWA/DJB.
- 4. STP of capacity 100 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. Flow meters were found installed only at outlet of STP and same found not working. No separate energy meter provided for STP.
- 6. Logbook of STP not maintained.
- 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.
- 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. DG sets are having acoustic enclosure and adequate stack height.
- 11. Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- 12. Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- 13. All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- 14. Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc & operation of STP is need to be standardized, so that the uniformity can be maintained.

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

[W.R.T Orders of Hon'ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI & Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt of NCT &Ors] Date of Inspection: 22.02.2017

1. General Information

(a) Name and Address of the Establishment	1 2
(Bulk Waste Generator)	Nh-8,Opposite 21 st Milestone, Samalkha, New Delhi
(b) Owner /Partner / Managing Director's	: Ankur Bhatia
Name and Telephone No.	9717208882
(c) Month & Year of Establishment	: September- 2013
(d) Name and Designation of the Person(s)	: Mr. Alok Bansal
Contacted at the site	8800895056
(e) Size of Premises (in Square Meter) : (i) Plot Area-15175.71 Sq. m (ii) Built up Area- 6265.88 Sq.m
2. Type of Establishment	: Hotel
(Bulk Waste Generator) (Main Activities /	Rooms- 50 No., Restaurant – 03 No. (274) Persons
Units / Facilities (No of Rooms / Beds etc.)	Banquet – 01 (100 Persons)
3. Status of Licenses	
(a) Environmental Clearance	: Not Applicable
(b) Consent under the Air & Water Acts	: Yes [Valid upto 11.02.2019]
(c) Municipal Corporation License	: Yes [Valid upto- 31.03.2017]
(d) Certificate from Fire Department	: Yes [Valid upto15-08-2019]
· / ·	

4. Water and Waste Water

(a) Source of Water Supply

: (i) Bore well- 2 Nos [Permission from DJB/CGWA- yes]

(b)Water Consumption / Requirement and Waste Water Generation

S.No.	Purpose /Use	*Average Water Consumption/ Requirement (in Liters /day)	**Peak Water Consum ption/Requirement at full capacity (in Liters /day)	Waste Water Generation at full capacity (in Liters /day)
(i)	Domestic	56500	Rooms= 50x2x180= 18000	
(ii)	Air Conditioning /Cooling Plant or Boiler Feed	9400	Banquet= 100x70=7000	
(iii)	Kitchen	14300	Restaurant= 274x70= 19180	80% of 44180
(iv)	Laundry	1900		
(v)	Swimming Pool	4900		
(vi)	Horticulture / Gardening	40000		
(vii)	Others	1000		
	Total Quantity	128000	44180	35344

* 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	Provided for	Capacity	Type of	Main	Status of	
Treatment	Treatment of	(in KLD)	Treatment& Technology		ETP/STP	
System Provided	Waste Water		used (Biological /	t Units	(Operational/	
	Generated from		Physicochemical Process)		Not Operationa	
Effluent Treatment	-		-		-	
Plant (ETP)						
Sewage Treatment	Motel premises	50 KLD	Biological Process)/G trap,	perational	
Plant (STP)				lq. tank,		
				Aeration		
				ank,		
				ettling		
				tank etc		
) Mode of Dispos	al of Treated Wa	ste Water	:Garden	ing etc.		
Whether All Sec	ctions connected t	o STP	: Yes			
) Whether Adequ	acy Report of STI	P submitted	: Yes			
Whether Effluer	nt sample taken by	DPCC lab	oratory : Yes			
	nt analysis report	from DPCC	lab : Yes			
	escribed Standard					
•			tlet of STP: Yes (only o	utlet)		
	te Energy Meter p				eading 186656 I	
	bok of STP is bei			, 1010001 10		
STP Sludge ger		ing manntain	: Quantity 01 I	Vep/ DX		
					Uarticultura	
Mode of Dispos		Contention			Horticulture	
x) Reuse of Treated	• • •	U			0 Liters /day	
			litioning Plant / Cooling T		•	
	`	iii) Boiler			Liters /day	
		iv) Flushing			L Liters /day	
(v) Any other NIL Liters /day						
	((v) Any othe	er	INI	L Liters /day	

S. No.	Source of Air Pollution	No and	Fuel Used	Pollution Control	Remarks
		Capacity		Measures Taken	(If any)
(a)	Kitchen	02	LPG	lood and Suction an	
				rovided to	
				Channelize the kitchen	
				Over terrace.	
2.	Boiler	02	HSD	dequate stack height	
3.	Diesel Generator(s)	02 (625,	HSD	OG sets are kept in	
		320 KVA)		coustically treated	
				nclosure and having	
				dequate stack height	
4.	Others				

S. No	Type of Waste	Quantity of Waste *Generated /**Estimated	Waste Mar the premise	0	ystem at	Disposal Mechanism	
		(Kg/day)	Segregation is being don	Proper Container s provided for storing the Waste	for Waste generation and	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	66 Kg./day (As Provided letter by the Concerned Unit) 87.4 kg Per day (Estimated peak generation)	No	No	Yes		M/s Chaudhary Contractor
(ii)	Construction & Demolition Waste	No Record made available					
` '	Domestic Hazardou Waste	No Record made available					
(iv)	Hazardous Waste (Used /Waste Oil)	No Record made available					
(v)	E-Waste	No Record made available					
	Lead Acid Battery Waste	No Record made available					
~ /	Garden Waste Recyclable Waste	3 kg/day No Record made available	No	No	No	Not Provided	

*Based on the data furnished by the unit.

**Based on the 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 - 05 Nos. (Partially functional)

Observations/Comments of the inspection on 22.02.2017

- 1. As informed by the unit, the unit was established in year 2013, Plot Area of the Motel is 15175.71 **Sqmtr** and Built up Area is 6265.88 **Sqmtr**. No Environment Clearance was available with the unit.
- 2. The Motel is having valid Consent to Operate under Air and Water Act which is valid till 11.02.2019.
- 3. Water is procured from 2 Bore wells. Obtained registration from CGWA for the same.
- 4. STP of capacity 50 KLD have 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 (No information is available in the CPHEEO Manual regarding

water requirement by banquet halls however DJB has considered Banquet Halls at par with the Restaurants).

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

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

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

Date of Inspection: 22.02.2017

Motel with 49 Rooms, Restaurant- 01, (44 Persons)

Party Pandal. - 02 (500+1000 Persons)

(a) Name and Address of the Establishment:	M/s ORANA HOTEL & MOTEL (A UNIT OF
(Bulk Waste Generator)	FRIENDSHIPTIME.COM PVT LTD) Samalka, NH-8, New
	Delhi-110037
(b) Owner /Partner / Managing Director's	Mr. Amit Gupta
Name and Telephone No.	8588883826
(c) Month & Year of Establishment	2015
(d) Name and Designation of the Person(s)	TARUN THAREJA
Contacted at the site	8588883826
(e) Size of Premises (in Square Meter)	(i) Plot Area- 25896 Sqm (ii) Built up Area 13950 Sqm.

Not Applicable

Yes [Valid upto-31.03.2017]

Yes [Valid upto- 15.05.2018]

2. Type of Establishment

1. General Information

(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 Yes [Valid upto-7.09.2020]

(c) Municipal Corporation License

(d) Certificate from Fire Department

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 Consump	Waste Water Generation
	L	Consumption/	tion/Requirement at full	at full capacity
		Requirement	capacity	(in Liters /day)
		(in Liters /day)	(in Liters /day)	
(i)	Domestic	14.88 KLD	Rooms= 49x2x180=	
			17640	
(ii)	Air Conditioning /Cooling		Restaurant= $44x70=$	
	Plant or Boiler Feed		3080	
(iii)	Kitchen	3.84 KLD	Party lawn=	80% of 125720
			(500+1000)x70= 105000	
(iv)	Laundry	10.00 KLD		
(v)	Swimming Pool			
(vi)	Horticulture / Gardening			
(vii)	Others			
	Total Quantity	28.72 KLD	125720	100576

* 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	Consister	Trune of	Main	Status of
System Provided	Treatment of	Capacity (in KLD)	Type of Treatment& Techno		ETP/STP
System Flovided	Waste Water	(III KLD)		Units	(Operationa
	Generated		logy used (Biological /	Units	1/ Not
	from		Physicochemical Pr		Operational
	monn		ocess)		Operational
Effluent Treatment Plant	Laundry	15	,	Mixing tank,	Operational
(ETP)			Process	Settling tank	
				etc	
Sewage Treatment Plant	Motel, ETP	50	Biological	O/G trap,	Operational
(STP)			Process	Eq. tank,	
				Aeration	
				tank,	
				Settling	
				tank etc	
b) Mode of Disposal of Tr			: Gardening	etc	
c) Whether All Sections co	onnected to ST	P	: Yes		
d) Whether Adequacy Rep	port of STP sub	mitted	: Yes		
e) Whether Effluent samp	le taken by DP	CC laborate	ory : Yes		
f) Whether Effluent analys	sis report from	DPCC lab	: Yes		
is Meeting the Prescribe	ed Standard:				
g) Whether Flow Meter In	stalled at Inlet	and Outlet	of STP : Outlet onl	y& same fou	nd not
working.					
h) Whether Separate Energy	gy Meter provi	ded for STI	P : No		
i) Whether Log Book of E				ained proper	lv
j) ETP / STP Sludge gene		0		(As informed	•
Mode of Disposal					olid waste &
Gardening/ Horticultu	ire		. Disposed	urong with s	
j) Reuse of Treated Waste		ardening /]	Horticulture	A11	Treated Wate
j) Reduce of freddod wuste		Cooling Tov			Liters /
	• •	Boiler	101		Liters /
		Flushing (T	oilots)		Liters /
	1	Total Quan	uty		Liters /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	02	HSD	Adequate stack height
3.	Diesel Generator(s)	02	HSD	DG sets are kept in acoustically treated
		1X500KVA		enclosure and having adequate stack height
		1X180KVA		
4.	Others			

S. N 0.	Type of Waste	Quantity of Waste *Generated/ **Estimated		Waste Management System at the premises site		Disposal Mechanism		
		(Kg/day)	r Proper Segrega tion is	Proper Containers provided for storing	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	35 kg/day(As Provided letter by the Concerned Unit) 203 kg Per day (Estimated peak generation)	No	No	No		Vishnu Kumar, Burari (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	Yes	Yes	No		ACE Engineer & Consultants	
(v)	E-Waste	No records made available						
(vi)	Lead Acid Battery Waste	No records made available						
(vi) (vii)	Garden Waste Recyclable Waste	2 kg No records made available	No	No	No	Not Provided		

*Based on the data furnished by the unit.

**Based on the full occupancy and floating population figure (per capita MSW generated, adopted from solid waste management manual 2000).

8. Rain Water Harvesting System (RWHS : Nil

Observations/Comments of the inspection on 22.02.2017

- 1. As informed by the unit, the unit was established in year 2015, Plot Area of the Motel is **25876 Sqmtr** and Built up Area is **13950 Sqmtr**. No Environment Clearance was available with the unit.
- 2. The Motel is having valid Consent to Operate under Air and Water Act which is valid till 07.09.2020.
- 3. Water is procured from Tankers without information on sourcing.
- 4. STP of capacity 50 KLD & ETP of capacity 15 KLD have been installed. STP is biological type & ETP is physiochemical process and both were 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 were found installed only at outlet of STP and same found not working. No separate energy meter provided for STP.
- 6. Logbook of STP not maintained properly (without flow meter readings).
- 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.
- 8. No information could be provided for quantum of sludge but it was informed that sludge is used for horticulture and disposed through municipal solid waste.
- 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.
- 11. Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- 12. Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- 13. All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- 14. Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste, C&D waste, E-waste etc & operation of STP is need to be standardized, so that the uniformity can be maintained.

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

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

2010

: Motel

:

1. General Information

(a) Name and Address of the Establishment: J.J.V Marketing Hotel Pvt. Ltd., (Hotel Nikunj) (Bulk Waste Generator) 22nd Mile Stone, Near IGI Airport, NH-8, New Delhi : Sh. Hitesh Bhardwaj

: Sh. Swetap Mishra

9650394474

9810506000

- (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 Applicable	
(b) Consent under the Air & Water Acts	: Yes [Valid upto22.02.2020]	
(c) Municipal Corporation License	: Yes [Copy Not provided]	

: Not Provided

(d) Certificate from Fire Department

4. Water and Waste Water

(a) Source of Water Supply

:(i) Bore well- 01 No [Permission from DJB/CGWA- No] (b)Water Consumption / Requirement and Waste Water Generation

Date of Inspection: 22.02.2017

: (i) Plot Area-15681.27 M².(ii) Built up Area- 2350.02 M²

No of Rooms – 30, No of Restaurant- 01 (42 Persons)

No of Banquet Hall -02(250Persons)

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		Rooms= 30x2x180=	
			10800	
(ii)	Air Conditioning /Cooling		Restaurant= $42x70=$	
	Plant or Boiler Feed		2940	
(iii)	Kitchen	No Information	Banquet=	80% of 31240
		provided	250x70=17500	
(iv)	Laundry			
(v)	Swimming Pool			
(vi)	Horticulture / Gardening			
(vii)	Others			
	Total Quantity		31240	24992

* 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	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	From Motel	30	Biological	O/G trap,	Operational
Plant (STP)			process	Eq. tank,	
				Aeration	
				tank,	
				Settling	
				tank etc	
(b) Mode of Disposal of Tre	eated Waste W	<i>v</i> ater	: Gardeni	ing etc.	
(c) Whether All Sections co	onnected to ST	P	: Yes		
(d) Whether Adequacy Rep	ort of STP sub	mitted	: Yes		
(e) Whether Effluent sample	e taken by DP	CC laborate	ory : Yes		
(f) Whether Effluent analysis is Meeting the Prescribe		DPCC lab	: No		
(g) Whether Flow Meter In		and Outlet	of ETP/STP : Yes (Only at Inl	et of STP)
(h) Whether Separate Energ Kwh)	gy Meter provi	ded for ETF	P/STP : Yes	(If Yes, Me	ter Reading126
(i) Whether Log Book of E	TP / STP is be	ing maintai	ned : Yes (Not proper)
(j) ETP / STP Sludge gener		-		cord provid	
Mode of Disposal		(i) I	Disposed along with	-	
±			as Compost in Ho		
(k) Reuse of Treated Wast	e Water		-	ormation pr	
(K) KEUSE OF FICALEU WAS				mation pr	o viucu

S.No.	Source of Air Pollution	No and Capacity	Fuel	Pollution Control Measures Taken
			Used	
1.	Kitchen	1	LPG	Hood and Suction arrangement provided to
				Channelize the kitchen emission Over terrace.
2.	Boiler	1	HSD	Adequate stack ht provided.
3	Diesel Generator(s)	2 (380 &	HSD	DG sets are kept in acoustically treated
		500 KVA)		Enclosure and having adequate stack height
4.	Others			

S.N	Type of Waste	Quantity of Waste	Waste Management System Disposal Mechanism					
0.		*Generated/	at the p	remises site	•			
		**Estimated (Kg/day)	Whatha	Whether	Whathar	Through	Thursda Duivata	
					Whether	Authorized	Through Private	
						Vendor (Copy	Vendor (Copy of Bill Provided	
				s provided		of Authorization	– Yes /No)	
						provided –Yes	(Name &	
				the Waste		/No)(Name &	Address of the	
			done			Address of the	Vendor)	
			uone		is being		venuor)	
					maintain			
					ed			
(i)	Municipal Solid	59.2 kg	No	No	No		Not Provided	
(-)	Waste	Per day (Estimated	110	110	110		10011001000	
		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 Waste	No records made	No	No	No	Not provided		
		available						
(vii)	Recyclable Waste	No records made						
		available						

*Based on the data furnished by the unit.

**Based on the full occupancy and floating population figure (per capita MSW generated, adopted from solid waste management manual 2000).

8. Rain Water Harvesting System (RWHS) : NIL

Observations/Comments of the inspection on 22.02.2017

- 1. As informed by the Motel, the Motel was established in year 2010, Plot Area of the Motel is 15681.27Sq. m and Built up Area is 2350.02 Sq. m. No Environment Clearance was available with the unit.
- 2. The Motel is having valid Consent to Operate under Air and Water Act which is valid till 22.02.2020.
- 3. Water is procured through one Borewell and not having Permission from DJB/CGWA for the same.
- 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 more than the waste water generation during peak

- 5. Flow meter found installed at inlet and no installed at outlet of STP. Separate energy meter provided for STP.
- 6. Though Log Book for operation of the STP has been maintained however lacks important information particularly w.r.t Quantity of waste water treated each day and sludge generated. Proper maintenance of the Logbook for operation of STP is required.
- 7. The information/record with regard to mass water balance could not be shown during inspection however as informed treated effluent is re used for gardening.
- 8. No information could be provided for quantum of sludge but it was informed that sludge is used for horticulture.
- 9. Effluent samples were collected by DPCC laboratory from the Inlet and Outlet of STP during inspection on 22.02.2017 and Effluent analysis report of DPCC dated 07.03.2017 shows that STP is not meeting 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.
- 11. Separate dustbin for bio-degradable or non-biodegradable MSW not provided within the premises. The MSW generated is given to private vendor (no copy of authorization from concerned Municipal Corporation was made available) who claims to dispose the same at Sanitary Landfill / Dhalao, but no such record made available.
- 12. Operation of STP including periodical O & M needs to be ensured for which (a) inflow / outflow meters reading, (b) Separate energy meter and (c) Quantum of sludge need to be recorded at frequent interval.
- 13. All the Environmental aspects like O&M of the STP, routine maintenance of Environmental compliances is performed by outsource agency, which does not have adequate knowledge of requirement.
- 14. Logbook /Formats for record keeping of all type of waste i.e. Municipal solid waste , C&D waste, E-waste etc & operation of STP is need to be standardized, so that the uniformity can be maintained.

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

[W.R.T Orders of Hon'ble National Green Tribunal Dated 10.01.2017 in OA No. 199 of 2014 in the matter of Almitra H. Patel Vs UOI & Ors and OA No. 281 of 2016 in the matter of Kudrat Sandhu Vs Govt of NCT &Ors] Date of Inspection: 22.02.2017

1. General Information

(a) Name and Address of the Establishment M/s MAPPLE EMERALD (Bulk Waste Generator) Kh. 41/2/2, 1, 3, 41/3, 41/9, Min 37/23/12, 37/24/2, 34/24/2 Samalkha Village, Rajokri, NH- 8, Delhi – 110038. Mr. Rohit Sapra (9810337338) (b) Owner /Partner / Managing Director's Name and Telephone No. (c) Month & Year of Establishment 2010 (d) Name and Designation of the Person(s) Mr. Balram Thakur (9313113157) Contacted at the site (e) Size of Premises (in Square Meter) (i) Plot Area- 25781.42 (ii) Built up Area-6600.72 2. Type of Establishment Motel (Bulk Waste Generator) (Main Activities / Rooms – 49 No, Banquet Hall – 03(1000 persons) Units / Facilities (No of Rooms / Beds etc.) Restaurant -01(60 persons), lawn-03(700 persons)3. Status of Licenses

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

4. Water and Waste Water

(a) Source of Water Supply

(iii) Through Tankers (No detail provided) (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	capacity	(in Liters /day)
		(in Liters /day)	(in Liters /day)	
(i)	Domestic	25 KLD	Rooms= 49x2x180=	
			17640	
(ii)	Air Conditioning /Cooling		Restaurant= 60x70=	
	Plant or Boiler Feed		4200	
(iii)	Kitchen	15 KLD	Banquet=	80% of 140840
			(1000+700)x70= 119000	
(iv)	Laundry			
(v)	Swimming Pool			
(vi)	Horticulture / Gardening			
(vii)	Others			
	Total Quantity		140840	112672

* As per information furnished by the unit.

** Estimated as per standards of CPHEEO Manual, 1999

Not Applicable Yes [Valid upto-24.08.2019] Yes [Valid upto- 31.03.2017] Yes [Valid upto- 16.06.2019]

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

	D 1110			14					
Waste Water Treatment	Provided for	Capacity	Type of	Main	Status of ETP/STP				
System Provided	Treatment of	(in KLD)	Treatment& Techno						
	Waste Water		logy	t Units	Operational				
	Generated		used (Biological /						
	from		Physicochemical Pr						
			ocess)						
Effluent Treatment Plant									
(ETP)									
Sewage Treatment Plant	From Motel	80	Biological	O/G trap,	Operational				
(STP)			process	Eq. tank,					
				Aeration					
				tank,					
				Settling					
				tank etc					
(b) Mode of Disposal of Tr	eated Waste V	Vater	: Gardening	etc					
(c) Whether All Sections co	onnected to ST	Έ	: Yes						
(d) Whether Adequacy Rep	ort of STP sub	mitted	: Yes						
(e) Whether Effluent sampl			orv : Yes						
(f) Whether Effluent analys	•		: Yes						
is Meeting the Prescribe	1	Diee lue	. 105						
		and Outlat	of STD · No						
(g) Whether Flow Meter In									
(h) Whether Separate Energy									
(i) Whether Log Book of E		eing maintai							
(j) ETP / STP Sludge gener	ration		-	•	ned)No record provided				
Mode of Disposal			: Used as C	Compost in I	Horticulture				
			& dispos	ed along w	ith solid waste				
(j) Reuse of Treated Waste									

S.No	Source of Air Pollution	No and	Fuel Used	Pollution Control Measures Taken
		Capacity		
1.	Kitchen	02	LPG	Hood and Suction arrangement provided to
				Channelize the kitchen emission Over terrace.
2.	Boiler	02	HSD	Adequate stack ht provided.
3.	Diesel Generator(s)	02	HSD	DG sets are kept in acoustically treated
		1X380KVA		enclosure and having adequate stack height
		1X600KVA		
4.	Others			

			XX 7. 4 B 4		4.0 . 4	D' 114	1	
S. N	Type of Waste	Quantity of Waste *Generated/		Waste Management System at the premises site		Disposal Mechanism		
0.		*Generated/ **Estimated	-					
		(Kg/day)			Whether		Through Private	
		(IIG/ duj)	r Proper			Authorized	Vendor (Copy of Bill	
				Containe	for Waste	Vendor (Copy	Provided – Yes /No)	
						of Authorization	(Name & Address of	
			0	provided		provided –Yes	the Vendor)	
			done		-	/No)(Name &		
					0	Address of the		
				the Waste	maintaine	Vendor)		
	Municipal Cali-	10 log/dog/ Ag	No	No	d No		Not Provided	
(i)	Municipal Solid Waste	10 kg/day(As Provided	NO	NO	NO		Not Provided	
	waste	letter by the						
		Concerned						
		Unit) 225 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	(2-3 litre/month)						
	(Used /Waste Oil)	No records made						
		available						
(v)	E-Waste	No records made						
	T 1 4 1 D 3	available						
(vi)	Lead Acid Battery							
	Waste	available	X			N (D 11		
(vi)	Garden Waste	12 kg	Yes			Not Provided		
(vii)	Recyclable Waste	No records made						
		available						

*Based on the data furnished by the unit.

**Based on the 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 (Non- Functional)

Observations/Comments of the inspection on 22.02.2017

- 1. As informed by the unit, the unit was established in year 2010, Plot Area of the Motel is 25781.42 **Sqmtr** and Built up Area is 6600.72 **Sqmtr**. No Environment Clearance was available with the unit.
- 2. The Motel is having valid Consent to Operate under Air and Water Act which is valid till 24.08.2019.
- 3. Water is procured from Tankers with no information on sourcing of water.
- 4. STP of capacity 80 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 the Restaurants).

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

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

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

1 General Information

Date of Inspection: 07.02.2017

(a) Name and Address of the Establishment:	Unison Hotels Ltd.(The Grand),
	Vasantkunj, Phase-II, Nelson Mandela Road, New Delhi-70
(Bulk Waste Generator)	Vasant Kunj
(b) Owner /Partner / Managing Director's	: Mr. Umesh Saraf
Name and Telephone No.	
(c) Month & Year of Establishment :	1999
(d) Name and Designation of the Person(s)	: Mr. Om Prakesh (Director of Engineer)
Contacted at the site	
(e) Size of Premises (in Square Meter)	: (i) Plot Area- 40000 Sqmtr. (ii) Built up Area- 12000 Sqmtr
2. Type of Establishment	: Hotel
(Bulk Waste Generator) (Main Activities /	No. of Rooms = 390, Banquet hall -04 (550 Persons)
Units / Facilities (No of Rooms / Beds etc.)	Restaurant = 07 (681 Persons), Party Lawn = 2 (450 Persons)
	Terrace = 700 Persons
3. Status of Licenses	
(a) Environmental Clearance :	Information not provided
(b) Consent under the Air & Water Acts :	Yes [Valid upto 28.01.2020]
(c) Municipal Corporation License :	Yes [Valid upto- 31.03.2018]
(d) Certificate from Fire Department : No	Information provided

4. Water and Waste Water

(a) Source of Water Supply

: (i) Bore well - 06 Nos [Registration from CGWA-Yes] (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	100 KLD		
(ii)	Air Conditioning /Cooling	100KLD	390x2x180 = 140400	
	Plant or Boiler Feed			
(iii)	Kitchen	100 KLD	450+550+700+681=	307070x0.8=245656
			2381x70=166670	
(iv)	Laundry	1.5 KLD		
(v)	Swimming Pool	4.5 KLD		
(vi)	Horticulture / Gardening	250 KLD		
(vii)	Others			
	Total Quantity	556 KLD	307.070 KLD	245.656 KLD

*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	Provided for	Consoity	Type of	Main	Status of		
	System Provided	Treatment of	Capacity (in KLD)	Treatment& Techno				
	System Provided	Waste Water	(III KLD)	logy	t Units	(Operational/		
		Generated		used (Biological /	t Omts	Not		
		from		Physicochemical Pr		Operational		
				ocess)		operational		
	Effluent Treatment Plant	Laundry				Non		
	(ETP)					operational		
	Sewage Treatment Plant	Hotel	750 KLD	Biological	O/G trap,	Operational		
	(STP)	Premises	(as per	Process	Eq. tank,			
			Adequacy		Aeration			
			Report)		Settling			
(h) Mode of Disposal of Tr	eated Waste W	/ater	: Garden	ing etc			
) Whether All Sections co			: Yes	ing etc.			
`) Whether Adequacy Rep							
) Whether Effluent sample							
	Whether Effluent analys	•		•	Since no sa	mple taken		
(1)	is Meeting the Prescribe	-	Dieeluo		inspection	imple taken		
6	g)Whether Flow Meter In		and Outlet a			et but faulty)		
	n)Whether Separate Energy					et out launy)		
)Whether Log Book of E				operly main	ntained		
	ETP / STP Sludge genera		ing maintai	-	ity 4 Kg /da			
	Iode of Disposal			-	• •	ng with Solid Waste		
10	ioue of Disposal				-	mpost in Horticultu		
ſ	(x) Reuse of Treated Wast	o Wator (i) G	ordoning / U) KL/Day		
(.	x) Reuse of fileated wast		U			2		
				ning Plant / Cooling	-	•		
	(iii) Boiler (iv) Flushing (Toilets)					Liters /day		
				mets)		KL/Day		
		(\mathbf{V}) A	Any other	T (10		KL/Day		
	Total Quantity: 350 KL /day							

S.No.	Source of Air Pollution	No and Capacity	Fuel Used	Pollution Control Measures Taken	Remarks (If any)
1.	Kitchen	07	PNG	Hood and Suction arrangement provided to Channelize the kitchen emission over terrace	()
2.	Boiler	02	PNG+HSD	Stack attached to wet scrubber	
3.	Diesel Generator(s)	03x1250 KVA)	HSD	DG sets are kept in acoustically treated enclosure and having adequate stack height	
4.	Others	-		-	

S. N 0.	Type of Waste	Quantity of Waste *Generated/		e Management System premises site		Disposal Mechanism		
		**Estimated (Kg/day)	er Proper Segreg ation is being done	r Proper Contai ners provide	Waste generation 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	(628.10 kg Per day (Estimated peak generation)**)*	No	No	No		No records made available	
(ii)	Construction & Demolition Waste	No records made available						
(iii)	Domestic Hazardous Waste	No records made available						
(iv)	Hazardous Waste (Used /Waste Oil)	No records made available						
(v)	E-Waste	No records made available						
(vi)	Lead Acid Battery Waste	No records made available						
(vi)	Garden Waste	No records made available						
(vii)	Recyclable Waste	No records made						

*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 - 02

Observations/Issues of the inspection on 07.02.2017

- 1. As informed by the Hotel, the Hotel was established in year 1999, Plot Area of the Hotel is 40,000 Sqmtr and Built up Area is 12,000 Sq mtr. Information not provided w.r.t. Environment Clearance.
- 2. The Hotel is having valid Consent to Operate under Air and Water Act which is valid till 28.01.2020.
- 3. Source of water from 06 bore wells. Registration obtained for all borewells from CGWA.
- 4. ETP & STP installed. The capacity of STP is 750 KLD (As per STP Adequacy Report). STP is biological type and same found operational however ETP found non-operational. Laundry wastewater is being sent to STP for treatment As per calculations of DJB, STP design capacity is more 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 the Restaurants).

- 5. Flow meters were installed only at outlet of STP but same found non-operational. No separate energy meter provided for STP.
- 6. Though Log Book for operation of the STP has been maintained however lacks important information particularly w.r.t Quantity of waste water treated each day and sludge generated. Proper maintenance of the Logbook for operation of STP is required.
- 7. The information/record with regarding to water mass balance could not be provided during inspection however as informed treated effluent re used for gardening purpose, cooling tower, Flushing etc.
- 8. No information could be provided for quantum of sludge but it was informed that sludge is used for horticulture.
- 9. Unit has provided channelization system for kitchen emissions with adequate stack height. DG sets are having acoustic enclosure and adequate stack height.
- 10. 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.
- 11. 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.
- 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 is need to be standardized, so that the uniformity can be maintained.