

Joint inspection Report of ASF Insignia, SEZ, Gwal Pahari, Gurgaon

The construction site was inspected on 21.12.2015 in the presence of a team of officers from Project side, which included Shri Anil Sharma, Project Manager and, Shri Dinesh Tiyaagi, DGM. Detailed discussions were held with Shri J J S Bhalla, VP projects, Shri Ashok Chauhan, Senior Manager (Permitting), Shri Rajat Singh, Senior Manager, Shri Himanshu Goyal, Executive on 23.12.2015. The area of construction site was jointly inspected by team of officers which included i.e.

1. Sh. Dinesh Tewari, Scientist 'D' CGWB, Chandigarh
2. Dr. Dalip Markandey, Scientist 'D' of CPCB, New Delhi
3. Sh. Kuldeep Singh, Regional Officer, HSPCB, Gurgaon
4. Sh. Rajinder T Sharma, DTP, Gurgaon
5. Sh. Ranbir Singh Rathi, Scientist "B", HSPCB, Gurgaon
- 5 Sh. Vikash Grewal, SSA, HSPCB, Gurgaon

All the information given in the report is based on the information provided at the project site, detailed discussions and field inspection. Point wise findings of five issues as per directions of the Hon'ble National Green Tribunal are as follows:, Joint Spot Inspection Report is attached as **Annexure I**.

1. Whether there exists or not any mechanism for ground water extraction? If such a system from the said inspection appears to exists its description.

There is mechanism of ground water extraction at the site through two operational tubewells. Theses tubewells were inspected on 21.12.2015. Tubewell No. 1 is near the building of STP B-2 and water meter reading at the time of inspection was 0073692. Tubewell No. 2 is located in the basement of B-3 and water meter reading at the time of inspection was 0049637.

The depth of tubewell No-1 & Tubewell No -2 is reported to be 95 meters & 97 meters respectively. Theses tubewells are fitted with 7.5 HP submersible pumps. Photographs of Tubewell No.1 & Tubewell No. 2 are enclosed as **Annexure-II**.

It is also informed that there are six non operational tubewells in the project area.

2. What is the sanctioned construction for the project and actual construction at the site and the remnant work and what is the water source for construction

It is informed that total sanctioned plot area of the project is 192994.58 sq m. However the built-up area for the project is 489590 sq m (Phase -I 276249 sq m and expansion area of Phase -II 213141 sq m). The total built up area for the processing zone after expansion will be 354083 sq m. The total built up area for the non processing zone after expansion will be 135307

sq m. It is also informed that actual construction for Residential Group Housing Complex from May 2013 to September 2015 is about 48309.56 sq m. The remaining work is external & internal finishing of the Residential Group Housing Complex. Source of water for construction is through 3 No. STP's & HUDA Common STP (CSTP) as follows:

- i) STP of 310 KLD Installed at ASF Insignia, Gwal Pahari
- ii) STP of 530 KLD installed at ASF Insignia, Gwal Pahari
- iii) STP of 120 KLD installed at ASF Center, Udyog Vihar, Phase-IV, Gurgaon
- iv) HUDA CSTP

3. What is the estimated or actually required quantum of water for raising the construction that has actually been raised?

It is informed that estimated required quantum of water for raising the construction of residential part is about 7488 cubic meters from May 2013 to September 2015. Estimated or actually required quantum of water for raising the construction of Processing Zone has not been informed by the proponent.

4. How much water has been supplied by the STP plant with due proof thereof?

It is informed that water supplied from different STP's as follows:

Water supplied from STP of 310 KLD at ASF Insignia, Gwal Pahari is about 186248 m³

Water supplied from STP of 530 KLD at ASF Insignia, Gwal Pahari is about 1807 m³

Water supplied from STP of 120 KLD at ASF Center, Udyog Vihar, Phase-IV, Gurgaon is about 3064 m³.

Water supplied from HUDA STP is about 14882 m³.

A total of 206001 m³ of water has been received from different STP. (Annexure III, information provided by ASF Insignia).

Proof of supply of treated water from different STP's as mentioned has been submitted to The Member Secretary, Central Ground Water Authority, New Delhi and Regional Officer, Haryana State Pollution Control Board, Gurgaon (South).



5. If the source of water is through the tankers, which supplier had supplied the water, extant of total water supplied with proof there off?

It is informed that the source of water for construction activities of the residential part of the project through tankers from HUDA CSTP is about 14882 m³.

The water is supplied by following five water supplier.

Inder Raj Water Supplier, A-1/227, Susant Lok-II, Sec 55, Gurgaon

Rahul Yadav Earth Movers, Village Raiseena, Sohna Road

Rajpal Bhatti Water Supplier, A-1/357, Sushant Lok-II, Sector-55, Gurgaon

Vikram Singh Bhatti, Water Supplier, V.P.O Narsinghpur, NH 8, Gurgaon

Lokesh Water Supplier. Vill Darbaripur, Post Palra, Gurgaon

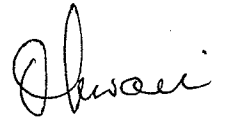
Proof of supply of treated water from different STP's as mentioned has been submitted to The Member Secretary, Central Ground Water Authority, New Delhi and Regional Officer, Haryana State Pollution Control Board, Gurgaon (South) as informed by the proponent.

Enclosures:

Annexure-I Joint Spot Inspection Report.

Annexure-II Photographs of Tubewell No.1 & Tubewell No. 2 at ASF Insignia, SEZ, Gwal Pahari, Gurgaon

Annexure-III Information provided by ASF Insignia vide email/ letter dated 23.12.2015



(Dinesh Tewari)
set 'D'

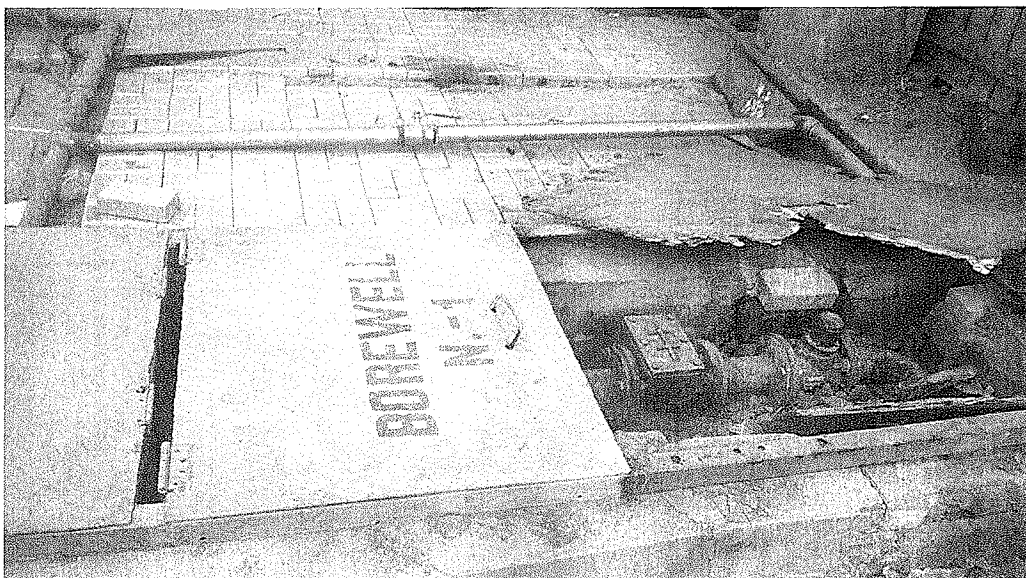
ANNEXURE I

Joint SPOT Inspection Report

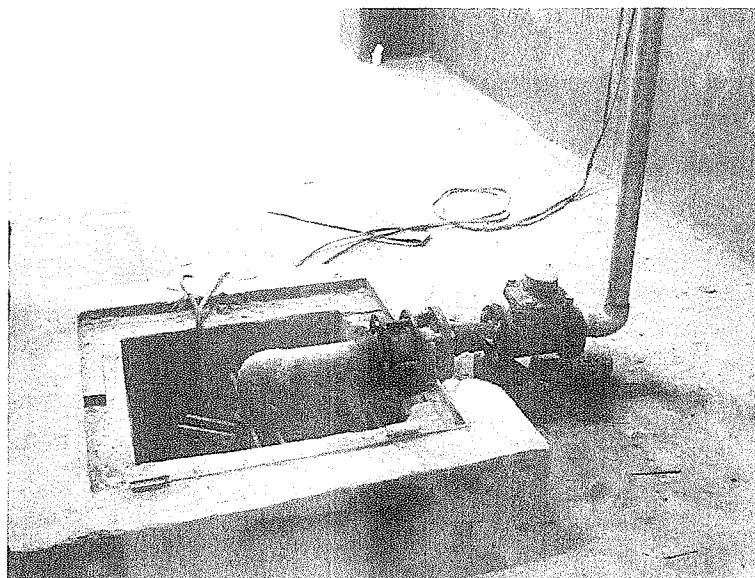
S.No	Name of Construction Project	M/S ASF INSIGNIA SEZ PH I G WAL PAHARI, GURGAON
1	Date of Inspection	21/12/2015
2	Name of Inspecting Officer	1. Dr. Dilip MarKandey, Sd. D, CPCB 2. Sh. Rajinder T. Sharma, DTP, Gurgaon 3. Sh. Kuldeep Singh, R.O, HSBEB, Gurgaon (N) 4. Sh. Dinesh Tewari, Sd. D, CQWB 5. Sh. Ranbir Singh Rathi, Sd. B, HSBEB. 6. Sh. Vikas Grewal, SSA, HSBEB
3	(i) Whether there exists or not any mechanism for Ground water extraction? If such a system from the said inspection appears to exist its description?	The Ground water is being abstracted through two tubewells and other six tubewells are non operational.
	(ii) What is the sanctioned construction for the project and the actual construction at site and the remnant work, and what is the water source of construction?	(a) Sanctioned Construction 489390 Sqm (Phase I - 276248 Sqm & Phase II - 213141 Sqm) (b) Actual Construction at site 48310 Sqm (c) Remnant Construction work at site 70% (d) Source of Water for Construction Through STP water
	(iii) What is the estimated for actually required quantum of water for raising the construction that has actually been raised?	7408 KL
	(iv) How much water has been supplied by the STP Plant (due thereof)?	206001 KL
	(v) If the source of water is through the tankers which suppliers had supplied the water, extent of total water supplied with proof thereof?	Indar Raj Water Supplier Rohit Yadav Earth Mover Rajpal Bhatta Water Supplier Vikram Singh Bhatta Water Supplier Lokesh Water Supplier
4	Any other remark	The following officers from project site were present during field inspection and discussion.

1. Shri Anil Sharma, Project Manager
2. Shri Dinesh Tyagi, DGM
3. Shri JJS Bhatta, VP Project
4. Shri Ashish Chauhan, Sr. Manager
5. Shri Rajat Singh, Sr. Manager
6. Shri Himanshu Goyal, Executive

Photographs of Tubewells at ASF Insignia, SEZ, Gwal Pahari, Gurgaon



Tubewell No.1



Tubewell No.-2



Central Ground Water Board
North Western Region
Bhujal Bhawan
Plot 3-A, Sector 27-B, Chandigarh-160019

Attention : Mr Dinesh Tiwari , Scientist

Sub:- Submission of documents and information enquired during the site inspection at our site on 21st Dec 2015 by the committee constituted by National Green Tribunal

Ref:- Our earlier site inspections dated 7th Oct 2015 and 4th November 2015 by HSPCB , CGWB and Document submitted thereto.

Dear Sir,

1. Team comprising of Officials from Haryana State Pollution Control Board, visited ASF Insignia SEZ on 07/10/2015 and sought the following information w.r.t the construction works currently ongoing at ASF Insignia. Subsequently inspection was also conducted by Central Ground Water Authority on 04/11/2015.
 - a. Details of water consumed/ utilised for construction of the ongoing works
 - b. Source of the water utilised for meeting the above requirement.

2. On date of the said inspection (viz 07/10/2015 and 04/11/2015) Group Housing at ASF Insignia was the only sub-project under construction, which had commenced since May 2013, and the details thereof are as follows :
 - a. Area under construction - 48,310 SqM
 - b. Water requirement for construction under (a) above worked out on the following basis:
 - i. Concrete in CuM @ 0.485 per SqM of BUA
 - ii. Water Requirement for Concrete @ 160 liters per CuM Concrete
 - iii. Water Requirement for Other works @ 77.5 liters per SqM BUA

Total Requirement = $48310 \times [(0.485 \times 160) + 77.5]/1000$ - 7,488 KL
 - c. Available STP water is as per details given at Annexure I - 2,06,001 KL

3. The aforesaid requirement for water was met from the following sources :
 - a. STP HUDA - 14882 KL
 - b. STP ASF Centre, Udyog Vihar, Gurgaon - 3064 KL
 - c. STP B2 ASF Insignia, Gwalpahari - 186248 KL
 - d. STP B3 ASF Insignia, Gwalpahari - 1807 KL

Total - 2,06,001 KL



ASF INSIGNIA SEZ PRIVATE LIMITED

Corp. Office: ASF Centre, 362-363, Udyog Vihar, Phase-IV, Gurgaon-122018 India.

T: +91 124 4737200 F: +91 124 4234110 e: concrete@asfinfrastructure.com w: www.asfinfrastructure.com

Regd. Office: 11, Bazar Lane, Bangor Market, New Delhi-110001 T: +91 11 23355011 F: +91 11 23734298

CIN: U45201DL2005PTC140408

Creating Intelligent Spaces®



Note : Details of STP water collected from various sources has been submitted vide our communication dated 17 November 2015 addressed to Central Ground Water Board (copy enclosed)

4. During the aforesaid period (i.e. May 2013 to Sep 2015) a total of 1,88,055 KL of water available from STPs installed/ operational at our Project, out of which 1,55,322 KL of STP water was utilised for Construction of Group Housing, Flushing, Horticulture and make up water for HVAC purposes, and balance 32,733 KL of water was available for other utilisation.

5. Beyond the requirement of water for construction of the ongoing (Group Housing) works, the said 32733 KL of surplus STP water available, out of which about 12,800 KL of STP water was being utilised for other construction and miscellaneous activities that were ongoing between May 2013 and Dec 2014 (which have since been completed in Dec 2014 with grant of CC for Building B3). Thus we have always been having surplus of STP water to the extent of 19933 KL from ASF Insignia Project apart from having excess to further STP water from our other operation projects to the tune of further extent of 3064 KL.

Thanking You

Yours Faithfully

M/s ASF Insignia SEZ Pvt. Ltd.
For ASF INSIGNIA SEZ PVT. LTD.

Authorised Signatory

(Authorised Signatory)

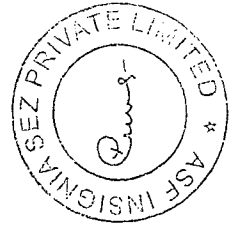
Encl:

- Treated water requirement and source
- Ground water extraction details

ASF INSIGNIA SEZ PRIVATE LIMITED

Corp. Office: ASF Centre 362-303, Udyog Vihar, Phase-IV, Gurgaon-122016 India
Tel: +91 11 42777200 Fax: +91 124 4234110 E: corporate@asf.infrastructure.com www.asfinfrastructure.com
Regd. Office: 11, Bahadur Lane, Bengali Market, New Delhi-110001 Tel: +91 11 23275511 Fax: +91 11 232759398
CIN: U45201DL2005PTC140408

Creating Intelligent Spaces®



Water Requirement		Source of water (KLD)						
Particulars	Details	Unit	Water Requirement (in KL)	Remark	HUDA STP	B2 STP (310 KLD)	STP (ASF Center, 120KLD)	B3 STP (530 KLD)
Flushing								
a	7500	Persons	84487.5	15 L per person per day for the period May 2013 to Sep 2015 for B2 building				
b	1000	Persons	3990	15 l. per person per day for the period Dec 2014 to Sep 2015 for B3 Building				
Built up area for Group Housing	48310	Sq.mtr.	7488	i) 0.484 of concrete per Sq.m. ii) 160 L water per C.u.m of Concrete iii) 77.5 L per Sq.m for additional activities	14882	186248	3064	1807
Horticulture	6400	Sq.mtr.	14419	3L per sqmtr per day				
HVAC	1700	TR	40855	4 ltr (avg) per TR per Hour for 8 hours for B2 building for 751 days				
	480	TR	4086	B3 building Part operational from Dec 2014 to Sep 2015.. ITR per 300 Sq.Ft for operational area of 1,80,000 Sq.Ft.				
		Total	155322	KL	Total Water sourced	206001	KL	

Notes:-

1

Considering 751 days working days from May 2013 to Sept 2015

DETAILS OF BORE WELL WATER CONSUMPTION

S. No	Month	Borewell No:-1			Borewell No:-2			G. TOTAL (Borewell #+2)	Remarks
		Initial	Final	Total	Initial	Final	Total		
1	June'12	1319.5	1739	419.5			419.5		
2	July'12	0	2690.5	2690.5			2690.5		
3	August'12	2690.5	3964.5	1214			1214		
4	Sept'12	2.4	2456.8	3654.4			2454.4	Meter No-1 replaced at 3664.5 cumulative reading	
5	Oct'12	2056.8	6448.8	4391.7			4391.7		
6	Nov'12	6448.5	11200	4751.5			4751.5		
7	Dec'12	11200	14227.5	3327.5			3327.5		
8	Jan'13	14227.5	17493.2	2965.7			2965.7		
9	Feb'13	17493.2	20720.4	3227.2			3227.2		
10	March'13	20720.4	23957.9	3237.5			3237.5		
11	April'13	23957.9	29078	5120.1			5120.1		
12	May'13	29078	32749	3671			3671		
13	June'13	32749	35905	3156	0	2202	2202	5355	
14	July'13	35905	39234	3329	2202	3742	1540	5869	
15	Aug'13	39234	43639	4405	3742	5242	1500	5905	
16	Sept'13	43639	48179	4540	5242	6332	1290	5830	
17	Oct'13	48179	54790	6611	6332	6332	0	6611	
18	Nov'13	54790	61808	7018	6332	6332	0	7018	
19	Dec'13	61808	70461	8653	6332	8042	1310	4958	
20	Jan'14	70461	73305	2844	8042	10342	2300	5144	
21	Feb'14	73305	78415	5110	10342	13252	2910	5080	
22	March'14	78415	84157	5742	13252	16242	2990	5930	
23	April'14	84157	91567	7410	16242	18562	2320	5472	
24	May'14	91567	97742	6175	18562	21612	3050	6247	
25	June'14	97742	104152	6410	21612	23162	1550	5231	
26	July'14	104152	111562	7410	23162	24842	1680	6250	
27	Aug'14	111562	119015	7453	24842	26592	1750	6477	
28	Sept'14	119015	126472	7457	26592	29762	3170	7722	
29	Oct'14	126472	133929	7457	29762	33019	3330	8052	
30	Nov'14	133929	141386	7457	33019	36276	3660	8302	
31	Dec'14	141386	148843	7457	36276	39533	3990	8552	
32	Jan'15	148843	156300	7457	39533	42790	4330	8802	
33	Feb'15	156300	163757	7457	42790	46047	4690	9052	
34	Mar'15	163757	171214	7457	46047	49304	4780	9302	
35	Apr'15	171214	178671	7457	49304	52561	4870	9552	
36	May'15	178671	186128	7457	52561	55818	4960	9802	
37	June'15	186128	193585	7457	55818	59075	5050	10052	
38	July'15	193585	201042	7457	59075	62332	5140	10302	
39	Aug'15	201042	208499	7457	62332	65589	5230	10552	
40	Sept'15	208499	215956	7457	65589	68846	5320	10802	
41	Oct'15	215956	223413	7457	68846	72103	5410	11052	
	Total			169526.6			70955	240481.6	

Details of Bore well water consumption

