



**HARYANA STATE POLLUTION CONTROL BOARD**  
**SCO No.55, SECTOR-25, HUDA, PANIPAT**

Ph. - (0180) 2672037, Telefax - 2664951, E-mail: [hspcbropr@gmail.com](mailto:hspcbropr@gmail.com)

No. HSPCB/PR/2020/ 4529

Dated : 13/10/2020

To

The Registrar,  
National Green Tribunal,  
Faridkot House, Copernicus Road,  
New Delhi

**Sub.- Report in compliance orders of Hon'ble NGT dated 08.07.2020 in the matter of Original Application No. 100/2020 titled as Niranjn Shah Versus State of Haryana.**

Ref.- Hon'ble NGT dated 08.07.2020 in the subject cited matter.

Kindly refer to the subject noted above, please find enclosed herewith the action taken report in compliance of the above mentioned Hon'ble NGT order dated 08.07.2020 in the matter of 100 of 2020 titled as Niranjn Shah Versus State of Haryana & Ors.

It is requested to kindly accept the report and place before the Hon'ble Tribunal.

**DA/As above**

↓  
**Regional Officer, HSPCB  
Panipat Region  
Nodal Agency as per  
Hon'ble NGT order dated  
08.07.2020**

**BEFORE THE HON'BLE NATIONAL GREEN TRIBUNAL  
PRINCIPAL BENCH, NEW DELHI**

OA No.100 of 2020

IN THE MATTER OF:

Niranjan shah

...

Applicant

Versus

State of Haryana & Ors.

...

Respondent

**REPORT ON BEHALF OF HARYANA STATE POLLUTION CONTROL BOARD  
IN COMPLIANCE OF ORDER DATED 08.07.2020**

**INDEX**

<b>Sr. No.</b>	<b>Particular</b>	<b>Page No.</b>
1.	Copy of Joint Inspection report dated 22.09.2020- <b>Annexure-A</b>	1-4
2.	Copy of letter of Deputy Commissioner Panipat for the nomination of representative on behalf of Deputy Commissioner vide letter No. 3961/MB dated 28.08.2020 <b>Annexure-A/1.</b>	5
3.	Copy of the analysis reports of the fuel used in the refinery unit- <b>Annexure-A/2.</b>	6-11

↓  
Regional Officer, HSPCB  
Panipat Region  
Nodal Agency as per  
Hon'ble NGT order dated  
08.07.2020

Annexure -A

Report of District Magistrate, Panipat and Haryana State Pollution Control Board (HSPCB) in Original Application No. 100/2020 titled as Niranjn Shah Versus State of Haryana:

**1. BACKGROUND**

During the hearing of the case OA No. 100/2020 titled as Niranjn Shah Versus State of Haryana on 08.07.2020, the following directions were issued by the Hon'ble Tribunal.

***Grievance in this application is against illegal use of furnace oil by Panipat Refinery, Indian Oil Corporation Ltd. (IOCL), resulting in air pollution in the area.***

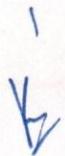
***Before proceeding further, we find it necessary to require a factual and action taken report in the matter from the District Magistrate, Panipat and the Haryana State Pollution Control Board (HSPCB) before the next date of hearing by e-mail at judicial-ngt@gov.in preferably in the form of searchable PDF/ OCR Support PDF and not in the form of Image PDF. The HSPCB will be the nodal agency from coordination and compliance.***

**2. ACTION TAKEN REPORT**

In compliance of the orders of Hon'ble Tribunal, Deputy Magistrate, Panipat has deputed Sh. Swapnil Ravindra Patil, IAS, Sub Divisional Magistrate, Panipat as representative attached as **Annexure –A/1**. Thereafter, In pursuant of the Hon'ble NGT order dated 08.07.2020 team of following officers inspected the Panipat Refinery and Petro chemical Complex, village –Baholi, Panipat on 22.09.2020.

- 1. Sh. Swapnil Ravindra Patil, IAS, Sub Divisional Magistrate, Panipat.
- 2. Sh. Kamaljit Singh, Regional Officer, HSPCB, Panipat.
- 3. Sh. Pardeep Singh, AEE, Regional Office, HSPCB, Panipat.

During the inspection, it was found that the unit is using Liquid and Gaseous fuel in the various Furnaces of Refinery unit and Boilers of Captive Power Plant (CPP) .The liquid fuel is initially blended in the premises of the unit and stored in the Tanks as per the details given below:


Sr. No.	Tank No.	Capacity( in KL)	Use of Fuel
1	3001	5000	Refinery Unit
2	3002	5000	Refinery Unit
3	3003	5000	Refinery Unit
4	3004	5000	Refinery Unit
5	3519	3000	Captive Power Plant

It was found that the fuel is directly sent to the feed of the various Furnaces of the Refinery unit in a sequential manner from Tank no 3001 to 3004. The daily consumption of the liquid fuel in the refinery unit is average 140 KL and the fuel stored in a Tank of 5000 KL is sufficient for 35 days. During the inspection, the fuel from tank no 3004 was in feed. Therefore, sample was collected from the Tank no 3004 and tanks no 3519 and sent to the Shri Ram Institute for Industrial Research for analysis of BIS specifications of Furnace Oil, copy of letter attached as **Annexure -A/2** .The results of the Analysis Reports received from the laboratory are as below:

Sampling Point	Parameters				
	Acidity, Inorganic	Density at 15°C (kg/m <sup>3</sup> )	Flash Point (PMC) (°C)	Ash content (% by mass)	Kinematic Viscosity at 50 ° C ( cSt)
Fuel Feed of Refinery unit ( Tank no. 3004)	Nil	896	213	0.001	82.7
Fuel feed of Captive Power Plant unit ( Tank no. 3519)	Nil	897	197	0.001	109.3
Specification for furnace oil MV2 Grade IS 1593-2018					
Specification of Parameter	Nil	---	Min 66 °C	Max 0.1	125-180

Sampling Point	Parameters				
	Sediment (% by mass)	Water content (% by Volume)	Carbon Residue (% by mass)	Total sulphur (% by mass)	Gross calorific Value (K Cal/kg)
Fuel Feed of Refinery unit ( Tank no. 3004)	0.06	<0.05	4.3	0.31	10500
Fuel feed of Captive power plant unit ( Tank no. 3519)	0.06	<0.05	5.1	0.34	10670
Specification for furnace oil MV2 Grade IS 1593-2018					
Specification of Parameter	Max 0.85	Max 1.0	Max 18	Max 4	--

*[Handwritten Signature]*

*[Handwritten Mark]*

*[Handwritten Mark]*

The copies of the analysis Reports are attached as **Annexure –B**.

During the inspection, the logbooks of the fuel feeding pump station of refinery unit and boilers of captive power plant were also checked. In the logbooks name of the fuel was mentioned as “FO” which was defined as Fuel Oil by unit while interpreted as Furnace Oil by the complainant.

Moreover it was found that the refinery unit has installed real time online continuous monitoring system for emissions and effluent as per CPCB guidelines. CEMS is connected with the servers of HSPCB and CPCB. The real time data of the emissions and effluent quality is also available in the public domain at URL - [http://hspcbcems.nic.in/industry-public-view?industry\\_id=1165](http://hspcbcems.nic.in/industry-public-view?industry_id=1165). Online real data of the stack emissions also reveals that the emissions of Particulate Matters and Sulphur Oxides are less than the prescribed limits, which conclude that the fuel used is of better quality and having Low Ash and Sulphur contents.

### 3. CONCLUDING REMARKS

Based upon the above report:-

1. That the Heavy Furnace Oil, which was banned in Delhi NCR is having high sulphur content i.e. up to 4 % of mass, while as per the report of the liquid fuel used in the Refinery unit and Captive Power Plant, Sulphur content was found 0.31% and 0.34% of mass respectively.
2. That the Ash content of the Furnace Oil was up to 0.1% of mass, while the ash content in the fuel oil used by refinery was found 0.001 % of mass.
3. That it was found that refinery is using Liquid Fuel having very Low Sulphur and Ash content which results in generation of emission having Low Particulate Matter and Low Sulphur Oxides with in prescribed emission standards applicable on the unit.
4. That the unit is using the Fuel as per Consent to Operate granted by the Board.
5. That from the above mentioned facts and test reports of the fuel used by refinery, it was found that the Liquid Fuel used in the Refinery is not Heavy Furnace Oil.
6. That the unit has also installed Online stack emission monitoring devices as per CPCB guidelines and regularly sending the real time data on the servers of CPCB and HSPCB. Moreover the real time emission data is also in the public domain.

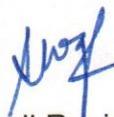
Action taken report is being submitted for kind consideration of this Hon'ble Tribunal, please.



Pardeep Singh  
(AEE, HSPCB, Panipat)



Kamaljit Singh  
(RO, HSPCB, Panipat)



Swapnil Ravindra Patil, IAS  
(SDM, Panipat)

From

Deputy Commissioner  
Panipat.

To

SDM, Panipat.

No

/MB

Dated

Subject:- O.A No. 100/2020 titled as Niranjan Shah Vs State of Haryana.

Memo.

Please find enclosed herewith the order dated 08/07/2020 passed by the National Green Tribunal in case titles as "Niranjan Shah Vs State of Haryana." The operative part of the order is as below.

"Grievance in this application is against illegal use of furnace oil by Panipat Refinery, Indian Oil Corporation Ltd, (IOCL), resulting in air pollution in the area.

Before proceeding further, we find it necessary to require a factual and action taken report in the matter from the District Magistrate, Panipat and the Haryana State Pollution Control Board (HSPCB) before the next date of hearing by e-mail at [judicial-ngt@gov.in](mailto:judicial-ngt@gov.in) preferably in the form of searchable PDF/OCR Support PDF and not in the form of Image PDF. The HSPCB will be the nodal agency for coordination and compliance."

You are hereby deputed as representative of this office for joint inspection of IOCL with the Regional Officer, HSPCB, Panipat. The next date of hearing before of National Green Tribunal is fix for 16/10/2020.

for Deputy Commissioner,  
Panipat

Endst.No. 3961 /MB

Dated: 28-08-2020

A copy of the above is forwarded to Regional Officer, HSPCB, Panipat for information & further necessary action, please.

for Deputy Commissioner,  
Panipat



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Website : www.shriraminstitute.org  
E-mail id : customercare@shriraminstitute.org

6

## TEST CERTIFICATE

NO : C1/0000230504

Issued To :  
 Client Code : (PANI01H1133)  
 HARYANA STATE POLLUTION CONTROL BOARD  
 SECTOR-25 PHASE-I, HUDA PANIPAT  
 HARYANA-132103  
 Kind Attn: -,REGIONAL OFFICER

Date : 08-10-2020  
 Job No : 2009-1-185-2782  
 Booking No : RG2021/1/4780  
 Booking Date : 28-09-2020  
 Customer Ref No. : NO. HSPCB/PR/2020/3795  
 Customer Ref Dt. : 02-09-2020

### Sample Description:

ONE SEALED SAMPLE DESCRIBED AS FUEL OIL (FURNACE OIL),SAMPLE MARKED AS CPP FUEL FEED,SAMPLE DECLARED AS SAMPLE DRAWN BY SH. SWAPNIL RAVINDRA PATIL, IAS, SDM, PANIPAT, SH. KAMALJIT SINGH, RO, HSPCB PANIPAT AND SH. PARDEEP SINGH, AEE, HSPCB, PANIPAT HAS COLLECTED ON 22.09.2020 FINAL OIL SAMPLES FROM PANIPAT REFINERY.SEALED THUS WAS RECEIVED.

Revised report of report No.C1/0000230504 dated 05.10.2020

(The Sampling was not carried out by Shriram Institute for Industrial Research.The sample particulars provided in certificate are based on declaration by the Sponsor.)

Job Order No:-2009-1-185-2782

### RESULTS

S.No	Name of Parameters	Observed Value	Protocol Used
1.	Acidity, inorganic	Nil	ASTM D-974-2014
2.	Density at 15,°C,Kg/M3	897	IS:1448 (Pt-32) 2019
3.	Flash Point (PMCC), °C	197	IS:1448 (Pt-21)2020
4.	Ash Content,% by mass	0.001	IS:1448 (Pt-4)1984,RA-2017
5.	Gross Calorific Value,Kcals/Kg	10670	IS:1448 (Pt-6)1984,RA-2018
6.	Kinematic Viscosity at 50°C,cSt	109.3	IS:1448 (Pt-25)1976,RA-2018
7.	Sediment, % by mass	0.06	IS:1448 (Pt-30) 2013,RA-2018

AUTHORISED SIGNATORY  
EMPLOYEE CODE:( 5539 )

GC-01(Rev-05)

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Fax : 91-11-27667207

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8.	Water Content, % by volume	Less than 0.05	IS:1448 (Pt-40) 2015
9.	Carbon residue, % by mass (Conradson method)	5.1	IS:1448 (Pt-122)2013,RA-2018

\*\*\*\*\*

D.O.R.: - 28.09.2020  
D.O.C.: - 08.10.2020

AUTHORISED SIGNATORY  
EMPLOYEE CODE:( 5539 )

GC-01(Rev-05)

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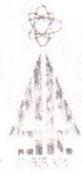
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## TEST CERTIFICATE

NO : C1/0000230507

Issued To :	Date	: 05-10-2020
Client Code : (PAN101111133)	Job No	: 2009-1-185-2784
HARYANA STATE POLLUTION CONTROL BOARD	Booking No	: RG2021/1/4780
SECTOR-25 PHASE-I, HUDA	Booking Date	: 28-09-2020
PANIPAT	Customer Ref No.	: NO. HSPCB/PR/2020/3795
HARYANA-132103	Customer Ref Dt	: 02-09-2020
Kind Attn: -REGIONAL OFFICER		

### Sample Description:

ONE SEALED SAMPLE DESCRIBED AS FUEL OIL (FURNACE OIL) SAMPLE MARKED AS CPP FUEL FEED. SAMPLE DECLARED AS SAMPLE DRAWN BY SH. SWAPNIL RAVINDRA PATIL, IAS, SDM, PANIPAT, SH. KAMALJIT SINGH, RO, HSPCB PANIPAT AND SH. PARDEEP SINGH, AEE, HSPCB, PANIPAT HAS COLLECTED ON 22.09.2020 FINAL OIL SAMPLES FROM PANIPAT REFINERY, SEALED THIS WAS RECEIVED.

(The Sampling was not carried out by Shriram Institute for Industrial Research. The sample particulars provided in certificate are based on declaration by the Sponsor.)

Job Order No:-2009-1-185-2784

### RESULTS

S.No	Name of Parameters	Observed Value	Protocol Used
1.	Sulphur total, % by mass.	0.34	IS:1448 (Pt-33)1991,RA-2018

\*\*\*\*\*

D.O.R.: - 28.09.2020

D.O.C.: - 05.10.2020

AUTHORISED SIGNATORY  
EMPLOYEE CODE ( 6077 )

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## TEST CERTIFICATE

NO : C1/0000230506

Issued To :  
 Client Code : (PANI01H1133)  
 HARYANA STATE POLLUTION CONTROL BOARD  
 SECTOR-25 PHASE-I, HUDA PANIPAT  
 HARYANA-132103  
 Kind Attn: -,REGIONAL OFFICER

Date : 08-10-2020  
 Job No : 2009-1-185-2783  
 Booking No : RG2021/1/4780  
 Booking Date : 28-09-2020  
 Customer Ref No. : NO. HSPCB/PR/2020/3795  
 Customer Ref Dt. : 02-09-2020

### Sample Description:

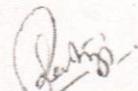
ONE SEALED SAMPLE DESCRIBED AS FUEL OIL (FURNACE OIL),SAMPLE MARKED AS TK-3004,SAMPLE DECLARED AS SAMPLE DRAWN BY SH. SWAPNIL RAVINDRA PATIL, IAS, SDM, PANIPAT, SH. KAMALJIT SINGH, RO, HSPCB PANIPAT AND SH. PARDEEP SINGH, AEE, HSPCB, PANIPAT HAS COLLECTED ON 22.09.2020 FINAL OIL SAMPLES FROM PANIPAT REFINERY,SEALED THUS WAS RECEIVED.  
 Revised report of report No. C1/0000230506 dated 05.10.2020.

(The Sampling was not carried out by Shriram Institute for Industrial Research.The sample particulars provided in certificate are based on declaration by the Sponsor.)

Job Order No:-2009-1-185-2783

### RESULTS

S.No	Name of Parmeters	Observed Value	Protocol Used
1.	Acidity, inorganic	Nil	ASTM D-974-2014
2.	Density at 15,°C,Kg/M3	896	IS:1448 (Pt-32) 2019
3.	Flash Point (PMCC), °C	213	IS:1448 (Pt-21)2020
4.	Ash Content,% by mass	0.001	IS:1448 (Pt-4)1984,RA-2017
5.	Gross Calorific Value,Kcals/Kg	10500	IS:1448 (Pt-6)1984,RA-2018
6.	Kinematic Viscosity at 50°C,cSt	82.7	IS:1448 (Pt-25)1976,RA-2018
7.	Sediment, % by mass	0.06	IS:1448 (Pt-30) 2013,RA-2018

  
 AUTHORISED SIGNATORY  
 EMPLOYEE CODE:( 5539 )

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## TEST CERTIFICATE

NO : C1/0000230506

8.	Water Content, % by volume	Less than 0.05	IS:1448 (Pt-40) 2015
9.	Carbon residue, % by mass (Conradson method)	4.3	IS:1448 (Pt-122)2013,RA-2018

\*\*\*\*\*

D.O.R.: - 28.09.2020  
D.O.C.: - 08.10.2020

AUTHORISED SIGNATORY  
EMPLOYEE CODE: ( 5539 )

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NO : C1/0000230508

Issued To :	Date :	05-10-2020
Client Code : (PANI01H1133)	Job No :	2009-1-185-2785
HARYANA STATE POLLUTION CONTROL BOARD	Booking No :	RG2021/1/4780
SECTOR-25 PHASE-I, HUDA PANIPAT	Booking Date :	28-09-2020
HARYANA-132103	Customer Ref No. :	NO HSPCB/PR/2020/3795
Kind Attn: -REGIONAL OFFICER	Customer Ref Dt. :	02-09-2020

**Sample Description:**

ONE SEALED SAMPLE DESCRIBED AS FUEL OIL (FURNACE OIL) SAMPLE MARKED AS TK-3004.SAMPLE DECLARED AS SAMPLE DRAWN BY SH. SWAPNIL RAVINDRA PATHI, IAS, SDM, PANIPAT, SH. KAMALJIT SINGH, RO, HSPCB PANIPAT AND SH. PARDEEP SINGH, AEE, HSPCB, PANIPAT HAS COLLECTED ON 22.09.2020 FINAL OIL SAMPLES FROM PANIPAT REFINERY,SEALED THUS WAS RECEIVED.

(The Sampling was not carried out by Shriram Institute for Industrial Research.The sample particulars provided in certificate are based on declaration by the Sponsor.)  
Job Order No:-2009-1-185-2785

**RESULTS**

S.No	Name of Parameters	Observed Value	Protocol Used
1.	Sulphur total, % by mass	0.31	IS:1448 (Pt-33)1991.RA-2018

\*\*\*\*\*

D.O.R.: - 28.09.2020  
D.O.C.: - 05.10.2020

AUTHORISED SIGNATORY  
EMPLOYEE CODE: ( 6077 )