

# JAMSHEDPUR EYE HOSPITAL

(Estd. 1961, Regn. No. 584 of 2009-2010)

JEH/33/2022-2023/497

April 25, 2022

**The Member Secretary**

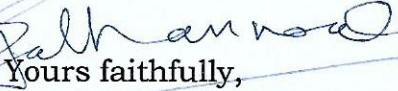
Jharkhand State Pollution Control Board  
T.A. Division Building, HEC Campus, Dhurwa  
**RANCHI – 834004**

**Subject: Environmental Statement 2021-2022 for Jamshedpur Eye Hospital, Jamshedpur**

Dear Sir,

This has reference to the captioned subject. Please find enclosed the “**Environmental Statement**” for Jamshedpur Eye Hospital, Jamshedpur for the year 2021-2022 duly filled in the prescribed format is enclosed for your kind consideration.

Thanking you

  
Yours faithfully,

**For Jamshedpur Eye Hospital**  
Dr. Surendra Prasad Jakhanwal  
Secretary & Superintendent  
Dr S P Jakhanwal  
Secretary & Superintendent  
*Jamshedpur Eye Hospital*

Encl: As Above

Copy to: Regional Officer, Jharkhand State Pollution Control Board,  
Adityapur, Jamshedpur – 831013

---

Sakchi, Jamshedpur – 831001, Dist. : East Singhbhum; State : Jharkhand, India


Tel : 0657-2432203; 6643514; Email : jamshedureyehospital@gmail.com

Website : www.ieh.org.in

**ENVIRONMENTAL STATEMENT  
FOR THE YEAR 2021-2022**

**Jamshedpur Eye Hospital  
JAMSHEDPUR**

**Submitted by:  
JAMSHEDPUR EYE HOSPITAL  
SAKCHI  
JAMSHEDPUR-831001  
JHARKHAND**

  
**Dr S P Jakhanwal**  
Secretary & Superintendent  
*Jamshedpur Eye Hospital*

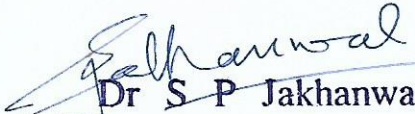
# Environmental Statement 2021-2022

## [Form V]

### Environmental Statement for the Financial Year ending 31/03/2022

#### PART A

(i)	<b>Name &amp; address of the owner/occupier of the industry operation or process:</b>	Dr. Surendra Prasad Jakhanwal Secretary & Superintendent Jamshedpur Eye Hospital Sakchi Jamshedpur-831001 Jharkhand
(ii)	<b>Industry Category</b>	Red Category
	<b>Primary STC Code:</b>	Nil
	<b>Secondary SIC Code</b>	Nil
(iii)	<b>Production Capacity</b>	40 bedded Hospital
(iv)	<b>Year of Establishment</b>	1961
(v)	<b>Date of last Environment Statement submitted</b>	NA

  
Dr S P Jakhanwal  
Secretary & Superintendent  
Jamshedpur Eye Hospital

# Environmental Statement 2021-2022

## PART B

### WATER & RAW MATERIAL CONSUMPTION

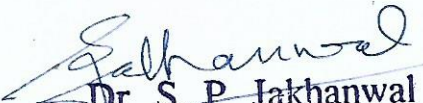
#### i) Water Consumption

<b>Water Consumption</b>	<b>During the current Financial year (2020-21)</b>	<b>During the current Financial year (2021-22)</b>
<b>Cooling and Domestic Consumption</b>	35424 KL (98.4 Kl/Day)	40524KL (112.56 Kl/Day)

#### ii) Raw Material Consumption:

Raw material is not consumed in Jamshedpur Eye Hospital as the same is a hospital.

<b>Name of raw material</b>	<b>Consumption of raw material per unit of output</b>	
	<b>During the previous financial year (2020-21)</b>	<b>During the current financial year (2021-22)</b>
Nil	Nil	Nil

  
**Dr S P Jakhwal**  
Secretary & Superintendent  
Jamshedpur Eye Hospital

# Environmental Statement 2021-2022

## PART C

### Pollution Discharged to Environment / Unit of Output (Parameter As Specified In the Consent Issued)

**(i) Hospital:**

Pollutants	Concentrations of pollutants discharged (mass / volume)		Percentage of variation from prescribed standards
	(mg/L)		
(a)Water	2020-21	2021-22	
pH	7.14	7.72	-
TSS	29	20	-
Oil & Grease	<1	<1	-
BOD	6.2	10.4	-
COD	40	56	-
(b) Air	(mg/Nm <sup>3</sup> )		
PM	NA	NA	-

\*NA-Not Applicable as Bio-medical Waste is being disposed through CBMWTF)

**(c) Ambient Air Quality (2021-22)**

Parameter	Norm	UoM	Near Eye Hospital		
			Max.	Min.	Average
Particulate Matter, PM <sub>10</sub>	100	µg/m <sup>3</sup>	236	46	132
Particulate Matter, PM <sub>2.5</sub>	60	µg/m <sup>3</sup>	83	19	43
Sulphur Dioxide (SO <sub>2</sub> )	80	µg/m <sup>3</sup>	30	7	12
Nitrogen Dioxide, (NO <sub>x</sub> )	80	µg/m <sup>3</sup>	65	17	39
Carbon Monoxide(CO)	2	mg/m <sup>3</sup>	0.2	0.3	0.3
Ammonia (NH <sub>3</sub> )	400	µg/m <sup>3</sup>	141	17	57
Ozone (O <sub>3</sub> )	100	µg/m <sup>3</sup>	30	3	9
Lead (Pb)	1	µg/m <sup>3</sup>	<0.5	<0.5	<0.5
Arsenic (As)	6	ng/m <sup>3</sup>	NT	NT	NT
Nickel (Ni)	20	ng/m <sup>3</sup>	0	0	0
Benzene (C <sub>6</sub> H <sub>6</sub> )	5	µg/m <sup>3</sup>	<0.1	<0.1	<0.1
Benzo alpha Pyrene (BaP)	1	ng/m <sup>3</sup>	<0.1	<0.1	<0.1

\*NT- Not Traceable


**PART D**

**Bio Medical Waste**

**1. As Specified under Bio-Medical Waste Management Rules, 2016**

Bio medical waste is generated from the process which is detailed below:

<b>Category</b>	<b>Type of Waste (kg)</b>	<b>During the calendar year (2021)</b>
Yellow	(a) Human Anatomical Waste:	0
	(b) Animal Anatomical Waste:	0
	(c) Soiled Waste:	528 Kgs
	(d) Expired or Discarded Medicines:	0
	(e) Chemical Waste:	0
	(f) Chemical Liquid Waste:	0
	(g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	0
	(h) Microbiology, Biotechnology and other clinical laboratory waste:	0
	<b>Sub Total (Yellow)</b>	<b>528 Kgs</b>
Red	Contaminated Waste (Recyclable)	900 Kgs
	<b>Sub Total (Red)</b>	<b>900 Kgs</b>
White (Translucent)	Waste sharps including Metals:	168 Kgs
	<b>Sub Total (White)</b>	<b>168 Kgs</b>
Blue	(a) Glassware:	444 Kgs
	(b) Metallic Body Implants	0
	<b>Sub Total (Blue)</b>	<b>444 Kgs</b>

  
**Dr. S. P. Jakhanwal**  
 Secretary & Superintendent  
 Jamshedpur Eye Hospital

# Environmental Statement 2021-2022

---

## **PART E**

### **Solid Waste**

Solid waste generated is 933 Kgs per annum segregated separately.

## **PART F**

Chemical Composition of waste: N.A.

## **PART G**

Impact of Pollution control measures taken on conservation of natural sources & cost of production

- We have grown more than 20 nos. of trees and maintain greenery in the periphery and other available spaces and shall continue enhancing its plant density and biodiversity

## **PART H**


Additional measures/investment proposal of environmental protection including abatement of pollution

- 01 no. of rainwater harvesting is made.
- Effluent is treated with Hypochlorite solution (1%) and sent to STP.

## **PART I**

Any other particulars for improving the quality of environment

- COVID-19 BMW management is being done as per CPCB Guidelines and reports are being submitted for the same.
- Bar code/ QR code has been implemented as per Biomedical waste rules 2016.
- Segregation of Biomedical waste is done as per the above rule.

  
Dr S P Jakhanwal  
Secretary & Superintendent  
Jamshedpur Eye Hospital