

## AIR, WATER AND SOUND MONITORING

S.S.D Girls' College, Bathinda, with the voluntarily help of PSPCL (having NABL accredited labs) experts monitored AIR, WATER & SOUND levels on 25<sup>th</sup> Feb 2021, in the college premises to create broad awareness about Environmental standards.

1. Air monitoring was carried out with the help of "Amient Air Monitoring Kit 10 PM" and "Ambient Air Monitoring Kit 2.5 PM" in the college sports ground. The results are as per Annexure-1.
2. For Water Monitoring, three samples one each from filtered water, Water Works supply and ground water were collected and tested in PSPCL lab. The results are given in Annexure-II
3. Sound levels were measured at different locations in the college i.e. Principal office. Play ground, Hostel, Canteen & Main Gate. The results are given in Annexure-III.

According to the experts feed back, the environmental parameters are within the permissible limits in the college.

Bindu Garg  
HOD  
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BATHINDA



## ANNEXURE - I

**Ambient Air Monitoring at SSD Girls College Bathinda Dated 25.02.2021**

**Total time of sampling 10.15 Hrs. to 16.05 Hrs (350 Min.)**

Parameters	Permissible Limit	Results
PM10 ( $\mu\text{g}/\text{Nm}^3$ )	100	190*
PM2.5 ( $\mu\text{g}/\text{Nm}^3$ )	60	52
SOx ( $\mu\text{g}/\text{Nm}^3$ )	80	3.14
NOx ( $\mu\text{g}/\text{Nm}^3$ )	80	16.73

**Test values are within permissible limits.**

**\*This is the average SPM (Suspended Particulate Matter) value recorded during peak day time of 350 minutes. The 24 hrs average SPM value shall be within permissible limit, keeping in view the lower values during night time.**

*Aw*  
25/02/2021  
Chief Chemist  
G.H.T.P. Lehra Mohabbat



## ANNEXURE - II

Water Testing at SSD Girls College Bathinda Date of Sampling 25.02.2021

Parameters	Permissible limit	Filter	Water Works	Ground Water
PH	7.0-8.5	8.25	8.28	7.97
Conductivity ( $\mu$ s/cm)	-	253	277	940
Total Hardness (mg/l)	300-600	116	118	244
Ca Hardness (mg/l)	75-200	96	98	184
Mg Hardness (mg/l)	30-75	20	20	60
Temp. Hardness (mg/l)		06	08	64
Permanent Hardness (mg/l)		110	110	240
Chlorides (mg/l)	250-1000	28	26	34
TSS (mg/l)	200	08	10	14
TDS (mg/l)	500-2000	132	139	469
Sulphates (mg/l)	200-400	08	25	184

Values are generally in permissible limits.

*any*  
25/05/2021  
Chief Chemist  
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## ANNEXURE - III

Sound Intensity Testing at SSD Girls College Bathinda

Date of Sampling 25.02.2021

Location	Sound Intensity (dB) (Permissible Limit-65 dB)
Principal Office	51.5
Play Ground	49.1
Hostel	53.2
Canteen	62.2
Main Gate	69.4

Sound level values are generally within permissible limits.

*any*  
25/02/2021  
Chief Chemist  
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