



**St. Xavier's College, Mahuadanr**

**FIELD WORK REPORT**

**On**

**Study on Particulate Matters: PM 2.5 and  
PM 10**

**National Physical Laboratory, Delhi**

**Submitted to:**

**Asst. Prof. Sr. Jolly k. Thomas**

**Department of Physics**


**St. Xavier's College, Mahuadanr**

**Submitted by:**

**Anisha Ekka**

**B.Sc. 2<sup>nd</sup> Year**

**Session: 2021-2024**

  
**Principal**  
**St. Xavier's College**  
**Mahuadanr**

## ACKNOWLEDGEMENT

I would like to express my special thanks of gratitude to my teacher **Asst. Prof. Sr. Jolly K Thomas** as well as our **Principal Dr. Fr. M. K. Jose** who gave me the golden opportunity to do this field project on the topic **“PARTICULATE MATTERS: PM 2.5 and PM 10”** which also helped me to develop my skills and knowledge.

I am also grateful to my classmates and friends for their help in finding sources and gathering data and to complete this project within the limited time frame.

Last but not the least; I want to thank all my supporters who have motivated me to fulfill the project before the timeline.

**Date: 30<sup>th</sup> November 2022**

*Anisha Ekka*  
**Anisha Ekka**

**B.Sc. 2<sup>nd</sup> Year**

**Session: 2021-2024**



**Principal  
St.Xavier's College  
Mahuadanr**

# CERTIFICATE

This is to certify that **Ms. ANISHA EKKA**, 2<sup>nd</sup> year **B.Sc. Physics**, Registration no. **21BSCPHY84**, St. Xavier's College, Mahuadanr has completed the field work on "**PARTICULATE MATTERS: PM 2.5 and PM 10**" as a part of the partial fulfillment for the award of the Degree of Bachelor of Science in Physics under my guidance during the academic year 2022-23.



**Head of the Department**  
**Department of Physics**

HoD  
Department of Physics  
St. Xavier's College  
Mahuadanr, Latehar  
Jharkhand - 822119



**Project Guide/Incharge**



Principal  
St. Xavier's College  
Mahuadanr



# INDEX

Sl. No.	Content
1.	Introduction
2.	Value of the study
3.	Objectives
4.	Report
5.	Outcomes
6.	Conclusion



Principal  
St.Xavier's College  
Mahuadanr

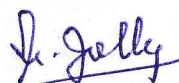
## CONCLUSION

Air pollution is considered to be one of the biggest problems affecting society worldwide. The field visit enabled students to understand the effect of particulate matters in air that is detrimental to health. It also enabled the students to understand the various methods to identify, calibrate the different particulate matters. The students returned much enlightened with great satisfaction for having interacted with top scientists of the Country.



**Head of the Department**  
**Department of Physics**

HoD  
Department of Physics  
St.Xavier's College  
Mahuadanr,Latehar  
Jharkhand - 822119



**Project Guide/Incharge**



Principal  
St.Xavier's College  
Mahuadanr