



Green Audit Report

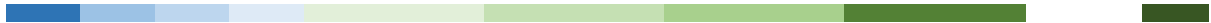
Dada Ramchand Bakhru Sindhu
Mahavidyalaya, Nagpur (Year 2023-24)

Prepared by



Onkar Services

Aggregators of National & International Quality Audits



Acknowledgement

We at Onkar Services, Nagpur, express our sincere gratitude to the management of DRB Sindhu Mahavidyalaya, Nagpur for awarding us the assignment of Green Audit of their college premises.

We are also thankful to academic & administrative staff members for helping us during the field inspection.

We hope that the recommendations stated in this report will be useful.









VUdar


Vaishali Udar

Director,
Onkar Services, Nagpur



Executive Summary

Rain Water Harvesting / Recharge	 
Water Quality Index	
Laboratory waste management (Solid / Liquid / Bio)	 
Canteen waste management	 
Plastic Free Campus Strategy	
Compost Conversion	
Paper Free Processes	 
STP	
Energy Audit	
Alternate green Energy source	 Solar
Residential Setup Module	Not Applicable
Radioactive elements / experiments	Not Applicable

 Available / Good
  Proposed replacement in Phases
  Needs improvement

Total Footfall & automobile count (Min 5 hours average per day)

Students	2500	600 (Parking)	200 bicycles
Staff	160	160 (Parking)	

Total Area & Green Coverage

Land Area	2.5068 Acres
Construction Area	approximate 48,506 sq ft
Green Coverage Factor	approximate 12 % Moderate (see detail report)





Use of public transport for staff & students should be promoted

Promotion of bicycle and E-vehicles is advised

Vertical Gardening including oxygen zone is advised

Drinking Water System needs improvement

General Water Conservation & recycling should be incorporated

Next Green Audit is suggested only after major changes or after end **1 years validity** (Jan25) of this report.

Water Quality Index Calculation

The water quality index is calculated based on measured values for each of five parameters: Temperature, Biological Oxygen Demand, Total Suspended Solids, Dissolved Oxygen and Conductivity. Here we describe what each of these parameters means in terms of local water quality and how they are used in the index.

Simple Water Quality Index (ISQA)

ISQA is calculated as: $ISQA = I_{TEMP} * (I_{BOD} + I_{TSS} + I_{DO} + I_{COND})$. Where I_{TEMP} , I_{BOD} , I_{TSS} , I_{DO} , and I_{COND} represent individual index terms with different weighting factors for each parameter.

