# $G\mathrm{reen}A\mathrm{udit}R\mathrm{eport}$

# DadaRamchandBakhruSindhu Mahavidyalaya,Nagpur (Year2022-23)

### Preparedby





## 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 a cademic & administrative staff members for helping us during the field in spection.

We hope that the recommendations stated in this report willbe useful.

VaishaliUdar

Mdar

Director, OnkarServices,Nagpur







# ExecutiveSummary

RainWaterHarvesting/Recharge





WaterQualityIndex

(Good

Laboratorywastemanagement (Solid/Liquid/Bio)





Canteen waste management





PlasticFreeCampusStrategy



**Compost Conversion** 





PaperFreeProcesses





STP



EnergyAudit



Alternate green Energy source



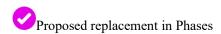
ResidentialSetupModule

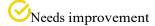
NotApplicable

Radioactiveelements/experiments

NotApplicable







### TotalFootfall&automobilecount(Min5hoursaverageperday)

Students 2872 460 (Parking) 270 bicycles

Staff 160 (Parking)

#### TotalArea&GreenCoverage

LandArea 2.5068 Acres







ConstructionArea approximate 48,506sqft

 $Green Coverage Factor \\ approximate 12\% Moderate (see detail report)$ 









Useofpublictransportforstaff&studentsshouldbepromoted Promotion

of bicycle and E-vehicles is advised

VerticalGardeningincludingoxygenzoneisadvised Drinking

Water System needs improvement

GeneralWaterConservation&recyclingshouldbeincorporated

Next Green Audit is suggested only aftermajor changes or after end 1 years validity of this report.

#### WaterQualityIndexCalculation

Thewaterqualityindexiscalculatedbasedonmeasuredvaluesforeachoffiveparameters:Temperature,BiologicalOxygen 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.

SimpleWater QualityIndex (ISQA)

ISQA is calculated as:  $ISQA = \underline{ITEMP}^*$  ( $\underline{IBOD} + \underline{ITSS} + \underline{IDO} + \underline{ICOND}$ ). Where  $\underline{ITEMP}$ ,  $\underline{IBOD}$ ,  $\underline{ITSS}$ ,  $\underline{IDO}$ , and  $\underline{ICOND}$  represent individual index terms with different weighting factors for each parameter.





