GreenAuditReport

DadaRamchandBakhruSindhu Mahavidyalaya,Nagpur (Year2022-23)

Preparedby

OnkarServices

AggregatorsofNational&InternationalQualityAudits

Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17

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.

Wearealsothankfultoacademic&administrativestaffmembersforhelpingusduringthe field inspection.

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

VaishaliUdar

Director,
OnkarServices,Nagpur

Officiating Principal
Dada Ramchand Bakhru
Sindhu Mahavidyalaya, Nagpur-17

ExecutiveSummary

RainWaterHarvesting/Recharge	✓ ✓
WaterQualityIndex	✓ (Good)
Laboratorywastemanagement (Solid/Liquid/Bio)	✓ ✓
Canteen waste management	✓ ✓
PlasticFreeCampusStrategy	✓
Compost Conversion	✓
PaperFreeProcesses	✓ ✓
STP	✗
EnergyAudit	✓
Alternate green Energy source	✓ Solar
ResidentialSetupModule	NotApplicable
Radioactiveelements/experiments	NotApplicable

✓ Available / Good ✓ Proposed replacement in Phases ✓ Needs improvement

TotalFootfall&automobilecount(Min5hoursaverageperday)

Students	2872	460 (Parking)	270 bicycles
Staff	160	160 (Parking)	

TotalArea&GreenCoverage

LandArea	2.5068 Acres

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ConstructionArea	approximate 48,506sqft
GreenCoverageFactor	approximate12%Moderate(seedetailreport)

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Useofpublictransportforstaff&studentsshouldbepromoted Promotion

of bicycle and E-vehicles is advised

VerticalGardeningincludingoxygenzoneisadvised Drinking

Water System needs improvement

GeneralWaterConservation&recyclingshouldbeincorporated

NextGreenAuditissuggestedonlyaftermajorchangesorafterend**1yearsvalidity**ofthisreport.

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 =I_{TEMP}* (I_{BOD}+I_{TSS}+I_{DO}+I_{COND}). Where I_{TEMP}, I_{BOD}, I_{TSS}, I_{DO}, and I_{COND}represent individualindextermswithdifferentweightingfactorsforeachparameter.

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