

Afforestation reporting template for CSR teams.

A structured template for reporting Miyawaki afforestation projects under **BRSR Principle 6** (Environmental Protection & Restoration). Fill in your project data. Each field maps to a specific BRSR indicator.

Example data from the **SPEC India Makarba project** (5.1 acres, 200+ species, 90%+ survival) is shown in the right column for reference.

WHAT BRSR PRINCIPLE 6 REQUIRES

The essentials — and what Gardenia provides.

BRSR Requirement	What to Report	Gardenia Provides
GHG emissions offset	Total CO2 sequestered (tCO2/yr); methodology; baseline	Carbon sequestration estimate using Roy et al. (2025) rates; site-specific data
Air emissions	Particulate matter reduction; pollutant gas absorption	PM2.5/PM10 capture estimate based on canopy area and species mix
Water	Water infiltration improvement; groundwater recharge; runoff reduction	Soil permeability data; stormwater absorption estimate
Biodiversity	Species count; survival rate; area restored; pollinator/bird return	Full species list with botanical names; survival data; biodiversity assessment
Waste	Organic waste diverted; circular waste management	Compost/mulch usage data; biomass inputs from organic waste
Green credits (Leadership)	Green credits generated or procured; by value chain partners	GCP registration support; credit documentation; disclosure language
Environmental Impact Assessment	Details of EIAs undertaken for projects	Baseline site assessment; monitoring protocol; impact data

BRSR Core assurance is expanding to the top 1,000 listed companies by FY 2026-27. This template helps you prepare audit-ready afforestation data before assurance becomes mandatory.

Fill in your project data.

Left column: the field label. Middle column: enter your data here. Right column: example data from the SPEC India Makarba project for reference.

A. PROJECT OVERVIEW

Project name		Example: Makarba Community Miyawaki Micro Forest
Company / CSR team		Example: SPEC India (CSR/CER initiative)
Implementation mode	Direct / Agency	Example: Direct (Rule 4(1))
Site location		Example: Makarba, Ahmedabad, Gujarat
Site area (acres)	_____ acres	Example: 5.1 acres
Site area (hectares)	_____ ha	Example: ~2.06 ha
Planting date(s)		Example: July 2023 (Phase 1); 2024 (Phase 2)
Maintenance period	_____ months	Example: 24 months (concluded; self-sustaining)
Schedule VII item		Example: Item (iv): environmental sustainability
BRSR reporting year	FY _____	Example: FY 2025-26

B. CARBON SEQUESTRATION (BRSR P6: GHG EMISSIONS)

Essential indicator: Total GHG emissions (Scope 1 + 2) and intensity. Carbon sequestration from afforestation can be reported as an offset.

Sequestration method		Example: Miyawaki dense plantation (Roy et al. 2025 rates)
Sequestration rate (tCO2/ha/yr)	_____ tCO2/ha/yr	Example: 5-10 tCO2/ha/yr (early years); 20-33 Mg C/ha/yr at 4-5 years
Total site area (ha)	_____ ha	Example: ~2.06 ha
Annual CO2 sequestered (tCO2/yr)	_____ tCO2/yr	Example: 10-20 tCO2/yr (early); 40-60+ tCO2/yr (mature)
Cumulative CO2 sequestered	_____ tCO2	Example: Calculate from planting date to reporting date
Baseline carbon stock	_____ tC	Example: Baseline: degraded/barren land (near zero)
Verification method		Example: Site-specific carbon stock measurement (annual)

C. AIR QUALITY (BRSR P6: AIR EMISSIONS)

Essential indicator: Air emissions (PM2.5, PM10, SOx, NOx) and reduction initiatives.

PM2.5 reduction estimate	_____ %	Example: ~15% reduction in local PM2.5 near green space
PM10 reduction estimate	_____ %	Example: Dust capture on leaf surfaces; year-round filtration
Canopy leaf area index (LAI)	_____	Example: Dense multi-layered Miyawaki canopy (high LAI)

Evergreen species %	_____ %	Example: Species mix includes evergreen for dry-season filtration
Monitoring method	_____	Example: Air quality sensors or reference to local CPCB data

D. BIODIVERSITY (BRSR P6: BIODIVERSITY & ECOSYSTEM)

Essential indicator: Biodiversity impact — species count, survival rate, area restored.

Total species planted	_____ species	Example: 200+ species, 360+ varieties/cultivars
Native species %	_____ %	Example: 100% native species (Miyawaki requirement)
Canopy layers	_____ layers	Example: 4 layers: canopy, sub-tree, shrub, ground cover
Planting density (plants/m2)	_____ /m2	Example: 2-7 seedlings/m2 (~25,000/ha, 30x conventional)
Total plants planted	_____ plants	Example: 200,000+ cumulative across all projects
Survival rate at 12 months	_____ %	Example: 90%+ (contractual warranty: 85%+)
Survival rate at 24 months	_____ %	Example: 90%+ (contractual warranty: 80%+)
Pollinator species observed	_____ species	Example: Rapid pollinator return (4-5 morphotypes within first seasons)
Bird species observed	_____ species	Example: Diverse bird species return within 1-2 years
Area restored (ha)	_____ ha	Example: ~2.06 ha (5.1 acres) degraded land restored
Conservation status species	_____	Example: IUCN status documented per species in library

E. WATER (BRSR P6: WATER)

Essential indicator: Water withdrawal, consumption, and discharge. Afforestation improves local water infiltration.

Soil permeability improvement	_____ x	Example: 6x-52x improvement vs. control (Ospina Parra et al., 2025)
Stormwater absorption	_____ m3/yr	Example: Calculated from site area and permeability data
Groundwater recharge estimate	_____ m3/yr	Example: Improved infiltration reduces surface runoff
Irrigation water used (Year 1-2)	_____ litres	Example: Reduced after establishment; self-sustaining at 24 months

F. WASTE & CIRCULARITY (BRSR P6: WASTE MANAGEMENT)

Essential indicator: Waste reduction and circular waste management initiatives.

Organic waste used in soil prep	_____ kg/m3	Example: Compost, mulch, biomass from organic waste
Mulch layer depth	_____ cm	Example: Deep mulch to simulate forest floor conditions
Circular waste contribution	_____	Example: Organic waste diverted from landfill to soil preparation

G. GREEN CREDITS (BRSR P6: LEADERSHIP INDICATOR)

Leadership indicator: Green credits generated or procured, including by top 10 value chain partners (SEBI circular, March 2025).

Green credits generated	_____ credits	Example: GCP: 1 credit per surviving tree >5 years old
Green credits procured	_____ credits	Example: If purchasing credits from afforestation projects
Carbon credits (Verra VCS)	_____ credits	Example: ARR credits for afforestation/reforestation

Disclosure language

Example: GCP-registered; VCS-verified; BRSR P6 aligned

CROSS-REFERENCES

Principles 3 & 8: additional reportable data.

Miyawaki afforestation also generates data reportable under BRSR Principles 3 and 8. Use these sections if your project includes employee engagement or community impact components.

H. EMPLOYEE WELLBEING (BRSR PRINCIPLE 3)

Essential indicator: Health and safety measures including access to mental health. Cost of employee wellness as % of total revenue.

Employee engagement events	_____ events/yr	Example: Tree-planting drives, forest walks, biodiversity workshops
Employees participated	_____ employees	Example: 20-50 per half-day event at 5-acre site
Wellness expenditure	Rs _____	Example: Green space development/maintenance as wellness investment
Employee access to green space	_____	Example: On-site or nearby Miyawaki forest for breaks, walking meetings

I. INCLUSIVE GROWTH (BRSR PRINCIPLE 8)

Essential indicator: CSR initiatives focused on environmental restoration. Job creation. Procurement from MSMEs.

Local jobs created	_____ FTE	Example: Nursery, soil preparation, planting, monitoring roles
MSME procurement value	Rs _____	Example: Nurseries, soil amendments, monitoring services from local MSMEs
Community impact assessment	_____	Example: Property value, noise reduction, air quality for surrounding area
Educational programs	_____	Example: School visits, citizen science, biodiversity workshops

HOW TO USE THIS TEMPLATE

1. Fill in the middle column with your project data. The right column shows example data for reference.
2. Use the BRSR indicator labels to map each section to your BRSR filing structure.
3. Gardenia provides all data in the "Gardenia Provides" column as part of our standard service package.
4. For sections H and I (Principles 3 and 8), fill in only if your project includes employee engagement or community components.
5. For assurance (BRSR Core), retain all supporting documentation: species lists, survival audits, geo-tagged photos, and monitoring reports.

STUDIO	78, Sector 19, Gandhinagar - 382021 Gujarat, India	PHONE / WHATSAPP	+91 9316409013
EMAIL	hello@gardeniaecoforestry.com	WEBSITE	gardeniaecoforestry.com

Gardenia Eco Forestry provides BRSR-aligned reporting data as part of our standard service package. Species lists, survival audits, carbon estimates, and geo-tagged monitoring data are delivered in formats ready for your annual BRSR filing.