

SUSTAINABILITY MATTERS

September 2023

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Chief Sustainability Officer



Anubhav Gupta
CEO Vikhroli, Chief ESG,
Sustainability & CSR Officer
Godrej Properties

While development may be our right, sustainability is our shared responsibility. Real estate development is a resource intensive enterprise and with the ongoing challenges of Climate Change, we need to ensure that we not only do everything to minimise damage to the environment but find ways of conserving resources and seek solutions to reverse these adverse impacts particularly in sectors contributing to the problem. Globally the real estate sector accounts for nearly 40% of world's energy consumption, 30% of raw material use and 33% of the related global greenhouse gas (GHG) emissions. On the social side, it is the second largest source of employment source in India with the ability to significantly impact livelihoods and lives. The sector therefore requires a sustainability framework across People, Process, Partnership, Product, Profit and Planet for a comprehensive approach towards the Environmental, Social & Governance (ESG) issues facing real estate development. Company level focus on ESG goals including emissions, water, waste, diversity, human rights, compliance, health and safety has the potential to translate to meaningful industry wide impact.

ESG focus is fairly advanced in developed markets and gaining momentum in India. We've seen specific focus on asset classes like commercial office especially on the funding side with several funds (foreign direct investors, institutional investors etc.) evaluating ESG performance as base hygiene during their diligence process prior to deployment. Sustained investor focus on green real estate has also contributed in

driving improvement in ESG performance across the industry. Independent ratings agencies such as the Global Real Estate Sustainability Benchmark (GRESB), Morgan Stanley Capital International (MSCI) and the Dow Jones Sustainability Index (DJSI) have created robust comparison frameworks for the sector. On the residential side consumers are beginning to ask for green rated projects with a specific focus on translation into resident living experience and efficiency.

In the real estate value chain, it is pertinent for companies to integrate sustainable thinking across the project life cycle from due diligence to final handover to the customer/residential society with its scope encompassing external stakeholders including joint venture partners, contractors and vendors. ESG goals must cascade from the C-suite to all functions across companies with robust internal dashboards instituted to measure progress. It is imperative to ensure independent assurance and public disclosure of all ESG performance data. Sustained focus on setting up both Occupational health & safety (OH&S) Management system as well as Environment Management systems (EMS) and securing ISO certifications for construction sites further strengthens sustainability performance beyond mere initiatives.

Basis our journey we recommend that companies starting out on setting compelling sustainability targets, study compliance in detail where recent changes such as the Business Responsibility and Sustainability Report (BRSR) guidelines by SEBI are attempting to cover some distance through regulation. Some gaps

The biggest challenge especially for real estate lies in the operations phase where an industry mandate towards setting up Science based targets for emissions reduction takes a long term focus to achieving results.

are being assisted by government incentives while the rest can potentially be bridged using contractual mechanisms to bring complaint partners on board and strive to create sustainable value chains.

In all of this our sustained focus needs to remain on construction workers wherein access to social protection can strengthen gaps in the informal construction worker ecosystem to ensure that the sector moves from a secondary source of income to a primary employment choice.

We have found that expanding the overview of company performance beyond financial returns to include Environmental, Social and Governance parameters allows for a more holistic assessment of sustainable business growth. Integrating environmental, social and governance goals into the real estate business value chain is the right and responsible thing to do. This does not contradict business viability, rather sustains and enhances it in the longer term.

Integrating sustainability within business

At GPL we set up a 6 parameter framework across People, Process, Partnership, Product, Profit and Planet.

We have demonstrated our commitment to sustainability by integrating our 6P framework within our business processes. We further aligned these 6Ps with the six capitals in the <IR> framework, namely

- financial, manufactured, human, natural, intellectual and social & relationship capitals.

The integration between our 6P framework and the Capitals of the <IR> framework encompasses our stakeholders, correlates with our material issues, and helps mitigate risks and leverage opportunities.

- PRODUCT**

Design and build sustainable products/ services across our development footprint. Understand and address the impact created by our products over the entire life cycle.
- PARTNERSHIPS**

Influence, collaborate and co-create with partners across the value chain to build a robust ecosystem for a sustainable future.
- PEOPLE**

Ensure health, safety, diversity, equity, inclusion, wellness, joy, knowledge and care for our employees, customers, workers, and communities alike.
- PROCESS**

Transform compliance to opportunity through efficient processes and effective resource allocation. Robust risk assessment and management, especially to combat climate change.
- PROFIT**

Generate economic value through a sustainable business model. Enable a win-win proposition for responsible profit generation across our value chains.
- PLANET**

Minimize our environmental footprint and dependency on limited resources. Focus on maintaining water positive status as we scale, expand carbon neutrality aspirations to cover Scope 3 Green House Gas (GHG) emissions and reduce waste to landfill.

Additionally we have prioritized 4 key principles to ensure we can deliver on our mandate	
Link ESG Performance with CSR Impact	Map water usage, waste produced, emissions generated and mitigate through CSR projects
Report externally, Simplify internally	Integrate sustainability within the business and ensure robust reporting
Make sustainability everyone’s mandate	Ensure ESG performance mandates are a focus area across the company
Communicate the journey and successes	Engage, inform, energise and communicate progress

PRINCIPLE 1

Link ESG Performance with CSR Impact

The Group has always been at the forefront of the ESG movement. Delivering environmental sustainability, a positive social impact, and good governance have been an integral part of our values at Godrej.

We have linked our ESG performance with our CSR impact and aligned our CSR initiatives towards Group wide Good and Green goals. We partner with diverse NGOs, local Regulatory Bodies, Government Institutions, and communities in our endeavour to deliver social and environmental impact.

Expanding the overview of company performance beyond financial returns to include Environmental, Social and Governance parameters allows for a more holistic assessment of sustainable business growth.

Linking these with CSR impact parameters is a way of delivering environmental sustainability, a positive social impact, and good stakeholder returns for business.



PRINCIPLE 2

Report externally, Simplify internally

We are committed to creating value for our internal and external stakeholders through our 6P framework integrating sustainability within our business processes.

Our 6P framework is aligned with the six capitals in the framework, namely - financial, manufactured, human, natural, intellectual and social & relationship capitals.

In addition to the listed disclosure formats, we have also adhered to:

» International framework of the Value Reporting Foundation

» National Voluntary Guidelines on Social, Environmental and Economic Responsibilities of Business (NVGs)

» Companies Act, 2013 (including the rules made thereunder)

» Indian Accounting Standards

EXTERNAL COMPLIANCE

Our integrated annual reports are prepared in reference to the following disclosure formats



G R E S B

S&P Dow Jones Indices

A Division of S&P Global



United Nations
Global Compact

MSCI



TASK FORCE ON
CLIMATE-RELATED
FINANCIAL
DISCLOSURES

**INTEGRATED
REPORTING** <IR>

INTERNAL COMPASS

Sustainability is one of the core pillars of our Purpose. We have instituted a 6P framework to integrate sustainability within business processes and report on the IR capital accounting framework



Measure what matters

Our proprietary custom developed ESG dashboard, the GREEN DASH uses AI-based rules to deliver transparency, actionable insights and benchmarking for significant ESG parameters.

The application allows data collection, system-enabled geo-tagging, real-time reporting on sites by our data provider and uses intelligent technology to parse employee access based on relevance. More importantly it offers our assurance providers transparent and timely data as well as insights to our ESG committee for future development.

250,000+

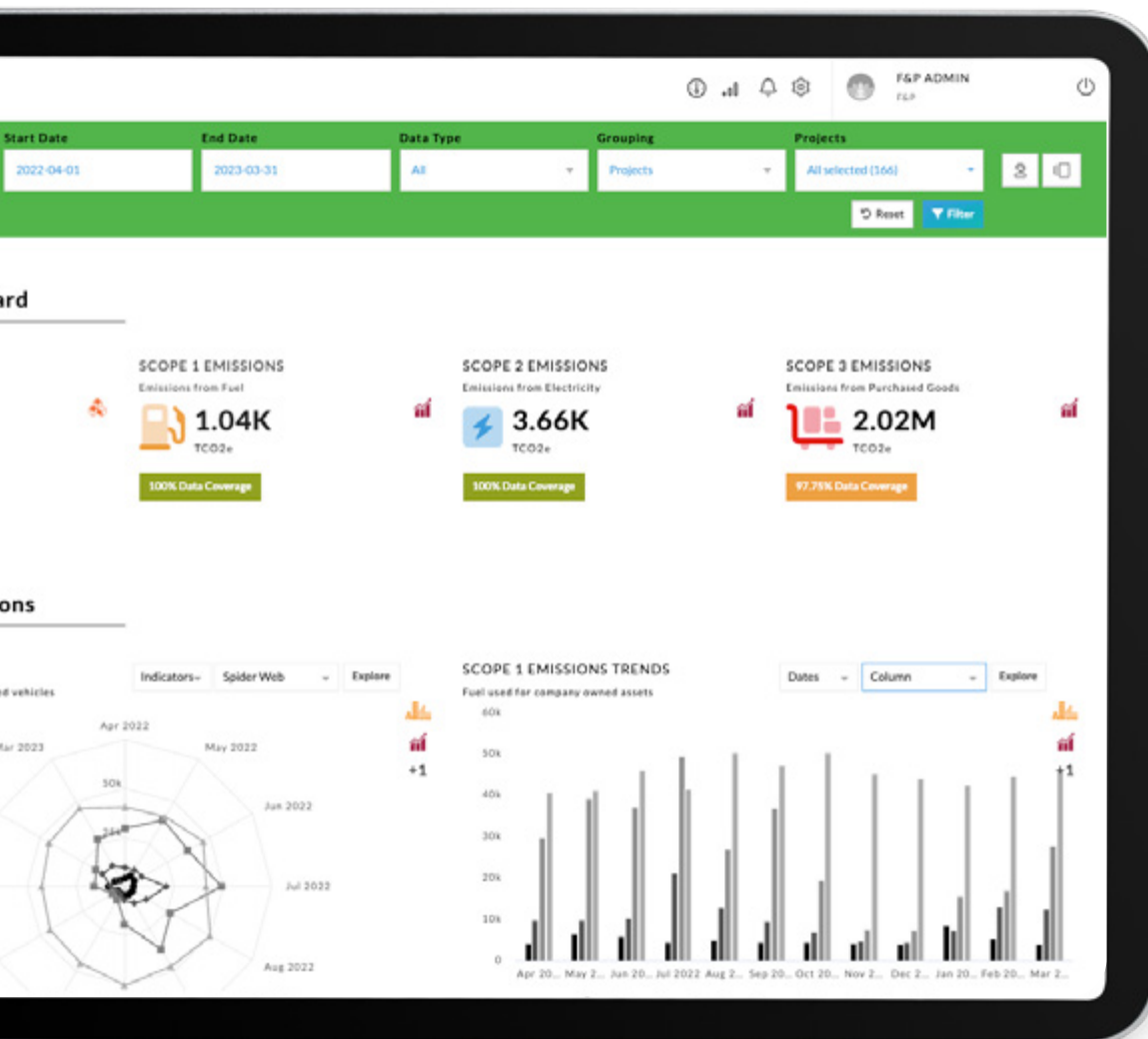
DATA POINTS COVERED ANNUALLY

370

EMPLOYEES CONNECTED

30+

DATA COLLECTION PARAMETERS



The application has been instrumental in enhancing our data-driven disclosures and ESG action.

PRINCIPLE 3

Make sustainability everyone's mandate

PRODUCT

Extend the green building mandate beyond real estate delivery to the use stage through Facilities Management based Green certifications

OPERATIONS

Strengthen green operations through ISO certification led Environmental Management System

Integrate ESG performance goals across the company

BOARD LEVEL ESG COMMITTEE

100%

of the management committee has ESG goals

16%

of employees have ESG goals



PRODUCT

Building green

OUR APPROACH

As one of the founding members of Indian Green Building Council (IGBC), we continuously strive to deliver sustainability focused innovation to our customers.

Green building is a continuous value chain to best leverage its benefits for the customer. On the planning side the commitments made to secure a pre-certification and communicated to customers during the marketing stage are translated to delivery on ground to secure a certification prior to customer handover. This certification is valid for 3 years and we secure a facilities management based certification such as IGBC Green Societies prior to exit to ensure that the green infrastructure put in place is maintained for its benefits to accrue to the customer over the project's life cycle.

As these certifications are typically valid for 3 years, we recommend for the society to keep the certification current with suitable maintenance and timely renewals to preserve capital value. In our experience we found it important to educate and communicate the rigour of the green development journey to the customer.



94.97%

OF OUR PROJECT PORTFOLIO* HAS RECEIVED GREEN CERTIFICATION FROM CREDIBLE EXTERNAL GREEN RATING BENCHMARKS

86.68 MILLION SQ.FT

GREEN HOMES

6.37 MILLION SQ.FT

GREEN RESIDENTIAL SOCIETY

IGBC GREEN RESIDENTIAL SOCIETIES CERTIFICATION TILL FY 2022-23

The Trees, Residences 1&2	Platinum rating
Godrej Origins, at The Trees	Platinum rating
Godrej Prakriti	Gold Rating
Godrej Platinum	Silver Rating
Godrej Prana	Gold Rating
Godrej Prime	Gold Rating
Godrej Aria	Platinum rating
Godrej Oasis	Platinum rating

KEY ENABLERS OF OUR GREEN BUILDING PORTFOLIO



OUR GREEN PRODUCT COMMITMENT

PROJECT LAUNCH	PROJECT HANDOVER		GPL EXIT AFTER HANDOVER		ENCOURAGE SOCIETY TO RENEW CERTIFICATION		
Y1	Y2	Y3	Y4	Y5	Y6	Y7	Y8
IGBC GREEN HOMES PRE-CERTIFICATION			IGBC GREEN HOMES CERTIFICATION		IGBC GREEN SOCIETIES CERTIFICATION		
Commit Green pre-certification to the customer at launch (Minimum Silver)			Deliver project green certification before handover to meet customer commitment		Re-certification under IGBC Green Residential society before GPL exit		

**Extend the green building
mandate beyond real
estate delivery to the use
stage through Facilities
Management based Green
certifications.**



Committing To Strengthen Our Environmental Management System

Our environmental management system (EMS) is based on the ISO 14001:2015, an international standard used across organisations use to improve environmental performance. Our EMS is predicated on robust integration of ESG goals in our business value chain.

All GPL sites are ISO 14001:2015 certified. Additionally, we have embedded the EMS with our current compliance management system and risk management systems to guarantee a comprehensive ESG strategy for business. We are working to strengthen our ability to recognize and respond to the risks, opportunities, features, and environmental effects of our activities by integrating policy and protocols and for training employees, tracking, summarizing, and disclosing specialized environmental performance information.

We have established relevant Environmental Policies and Procedures to ensure that any significant environmental regulations mandated by Indian law are identified and effectively addressed in areas of our operations.

AUDIT AND MANAGEMENT REVIEW

- » 2 internal audits across every site.
- » 1 external audit across sample sites.
- » Quarterly management review meetings incorporated into GPL's Environmental Management System at below levels:
 - » Management Review at GPL Level: (Level I)
 - » Management Review at GPL Regional Level (Level II)
 - » Management Review at GPL Project Level (Level III)

TRAININGS CONDUCTED

- » EMS Rollout Module Training for 31 environmental managers across project sites
- » 24 environmental managers trained as EMS internal auditors for ISO 14001:2015 in FY 2021-22
- » 2-day training for applicable environmental laws in the real estate and construction sector
- » Training for preparation of Aspect-Impact register, EMS documentation and monitoring to environmental managers

KEY OUTPUTS OF THE PROCESS

- » GPL EMS Manual – 01
- » GPL SOPs (Procedures) – 12
- » EMS Work Instructions – 01
- » EMS Management Plans & Records – 01

GPL EMS AUDIT CHECKLIST CRITERIA

Documentation	23
Physical Verification	5
Compliance, Consents, Licenses	7
Waste Management & Drainage	23
Awareness and Training	1
Chemical Stores	2
Dust Collection	1
First Aid Centre	4
Housekeeping	4
Labour Camp	1
Test Records & Monitoring	4
Interviews & Incident Investigation Reports	5
Total Number of checklist points	80



We have achieved ISO 14001:2015 certification across all sites under our operational control



PRINCIPLE 4

Communicate
the journey and
successes



QUARTERLY
NEWSLETTERS



12
EMPLOYEES RECOGNISED
WITH SUSTAINABILITY
CERTIFICATES OF
APPRECIATIONS

Engage, inform,
energise and
communicate
progress
consistently to
our employees

Our focus areas

We are a pan India developer and truly believe our focus on ESG goals including water, waste, emissions and worker welfare can translate to meaningful industry wide impact.

WATER



WASTE



WORKERS



EMISSIONS



WATER



Our journey towards water positivity

Water scarcity is amongst one of the most impactful risks facing the world today.



WHY IT MATTERS

In order to fully understand what we can do to better manage water usage and make it more efficient; we have employed a water management strategy that will allow us to ensure meaningful stakeholder engagement by being able to address related water material issues, risks and opportunities.

Among 181 countries, India ranks 41st, positioning it within the second group of countries facing high-risk water stress. Water stress refers to a twofold situation - when the demand for water exceeds the current available resource and when the poor quality of water restricts its use. The country's annual water use ranges from 40% to 80%, according to an assessment of its baseline water stress of 3.6.



OUR GOALS



01
Reduce dependency on fresh water sources

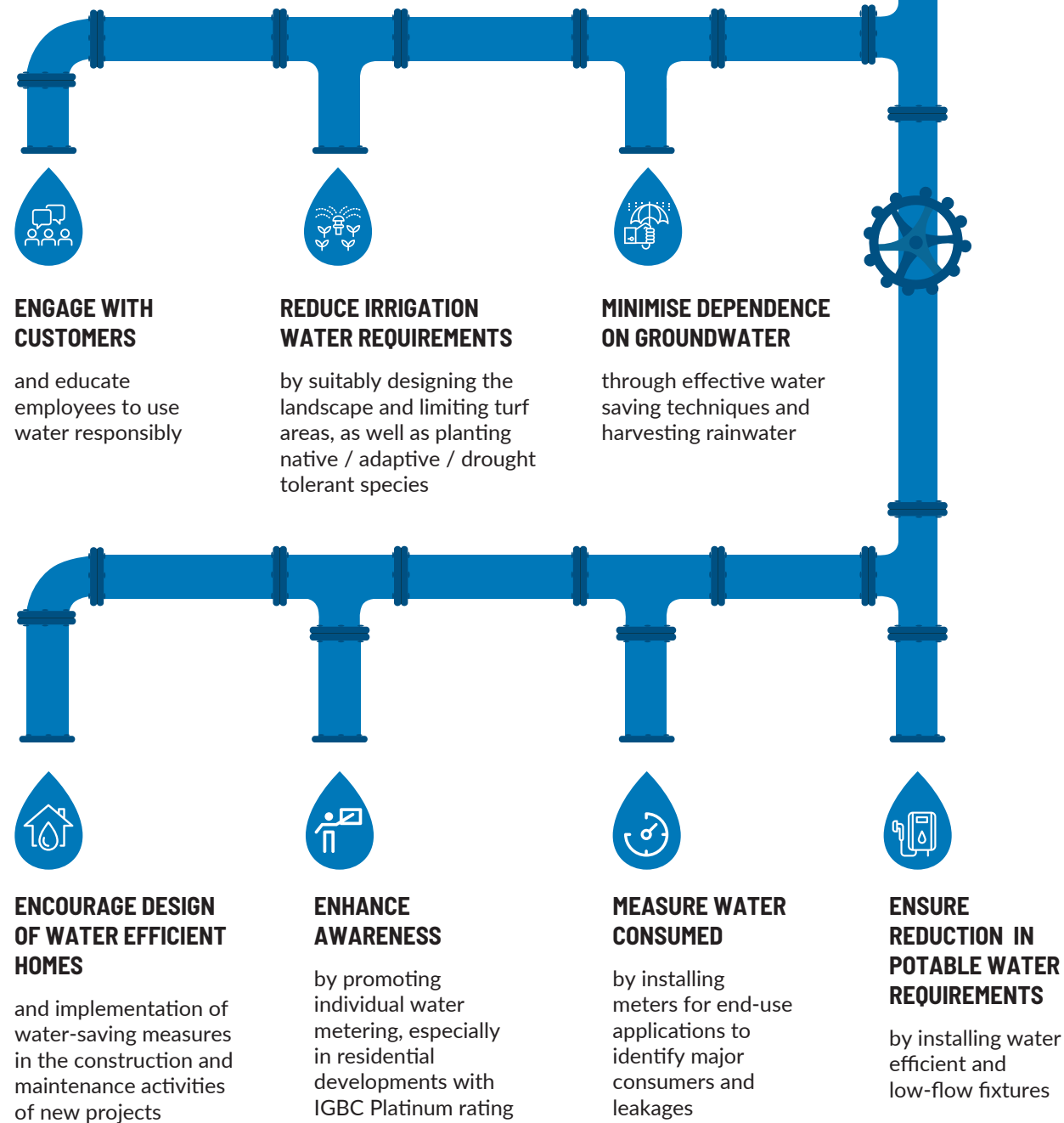


02
Replenish more than we consume



03
Create social value

Our water management strategies



39.91
FY22-23

15
FY21-22

7.52
FY20-21

Map and declare water intensity during operations to ensure year on year progress

WATER CONSUMPTION INTENSITY
(Litres per sqft of built up area constructed)

TOTAL WATER CONSUMED (267.75 MILLION LITRES)

218.17 (Fresh water)

49.58 (Recycled Water)

WATER CONSUMPTION

SOURCE	QUANTITY (MILLION LITRES)			
	FY 2022-23	FY 2021-22	FY 2020-21	FY 2019-20
WATER WITHDRAWN FROM ALL AREAS*				
Surface water	0	0	0.20	0
Ground water	0.8	0.07	34.20	16.70
Third-party water (includes municipal, bottled water and tanker water)	217.36	309.44	264.70	351.10
Total water withdrawn	218.17	309.51	299.10	367.80
WATER WITHDRAWAL FROM AREAS OF WATER STRESS (NCR, SOUTH)				
Surface water	0	0	0.20	0
Ground water	0	0	34.20	16.70
Third-party water (includes municipal, bottled water and tanker water)	74.98	134.59	54.70	73.30
Total water withdrawn	74.98	134.59	88.90	90.00
Total water consumed in areas of water stress	74.98	134.59	88.90	90.00

Water discharge for FY2021-22 is Zero

Determined using WWF Water Risk Filter tool with overall risk rating above 3.8

For FY2020-21 & FY2019-20 third party water was reported under ground water consumption for Godrej Nurture site

01 Reduce dependency on fresh water sources

Our goal is to reduce the amount of water intake from grid and our dependency on fresh water resources leading to overall conservation of water.

OUR APPROACH

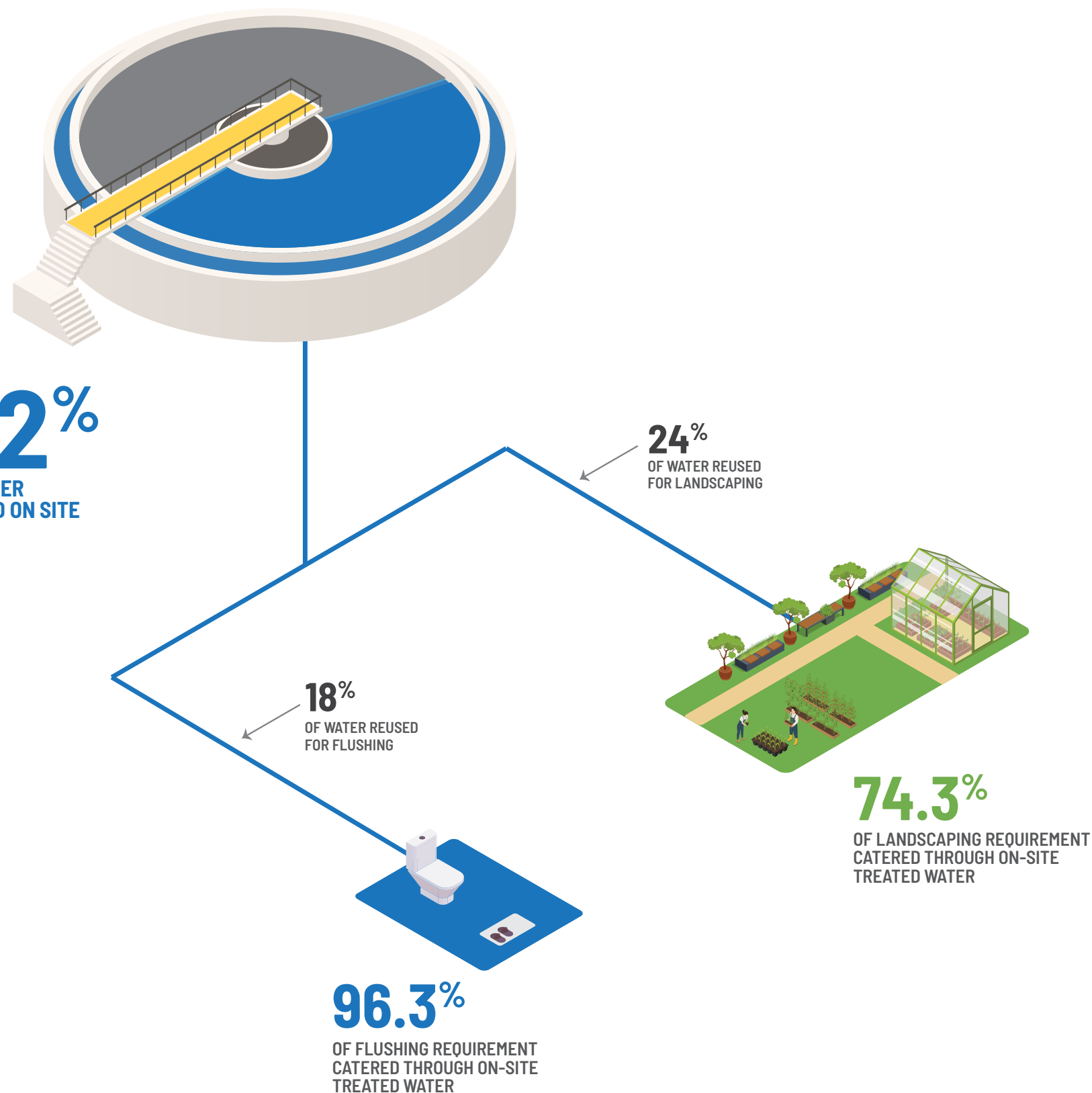
Our approach is to reduce water consumption and reuse grey water across our product portfolio. Sewage treatment plants (STP) have been installed/mandated in more than 90% of GPL sites catering to more than 95% on-site treatment/recycling of domestic water. STP treated water is then reused on site for flushing or landscaping requirements.

WATER USAGE

FIXTURE TYPE	MAXIMUM FLOW RATE / CAPACITY	DURATION	DAILY USES PER PERSON/DAY
Water Closets	6 LPF (High Flush)	1 flush	1
	3 LPF (Low flush)	1 flush	1
Health faucet / Bidet, Hand-held spray*	6 LPM	15 seconds	1
Faucet / taps*	6 LPM	16 seconds	8
Kitchen Sink*	6 LPM	17 seconds	6
Urinal*	4 LPF	1 flush	2
Showerhead* / Hand-held Spray*	10 LPF	8 minutes	1

*At a design pressure of 3 bar

Note - This study has been conducted for 43,242 green homes until FY2020-21 and will be conducted after every 3 years



02 Replenish more than we consume

At GPL, we are dedicated to minimizing our environmental impact to the greatest extent possible.

OUR APPROACH

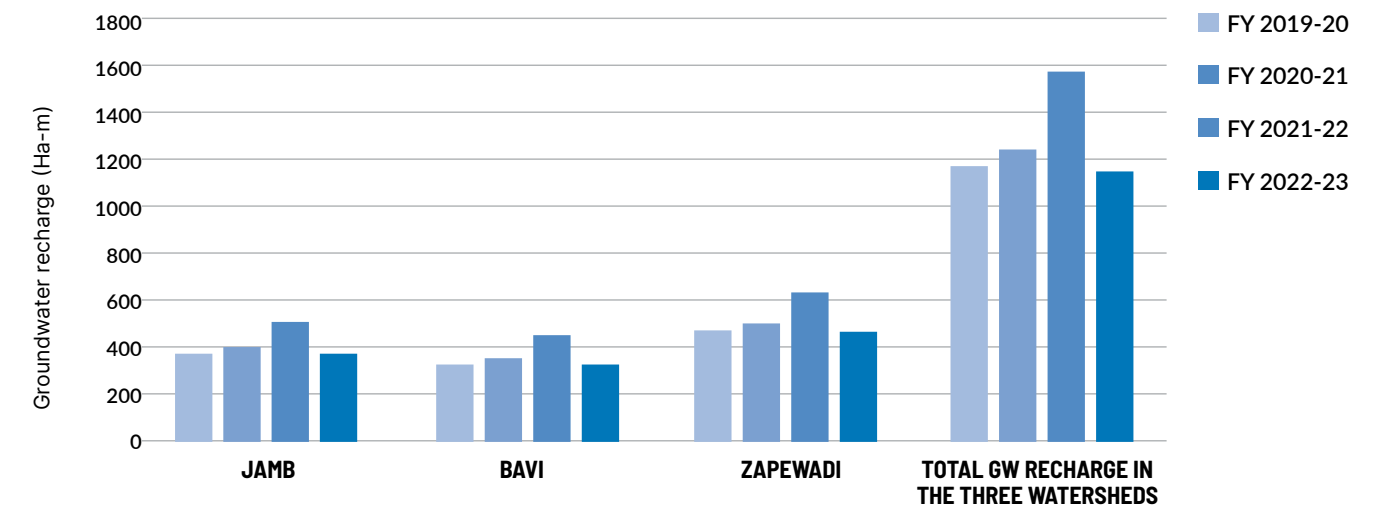
Growing populations and economies have put available water resources under extreme stress and risk of unequal distribution. The real estate sector is dependent on water for construction activities. As these projects are usually located in urban or semi-urban areas, communities could face potential issues of water security.

We have implemented sustainable water management practices across our operations to reduce water usage. Additionally, we actively promote water harvesting and recycling whenever feasible, aiming to decrease our reliance on freshwater resources. During the last year, our overall water consumption amounted to 267.75 million litres.

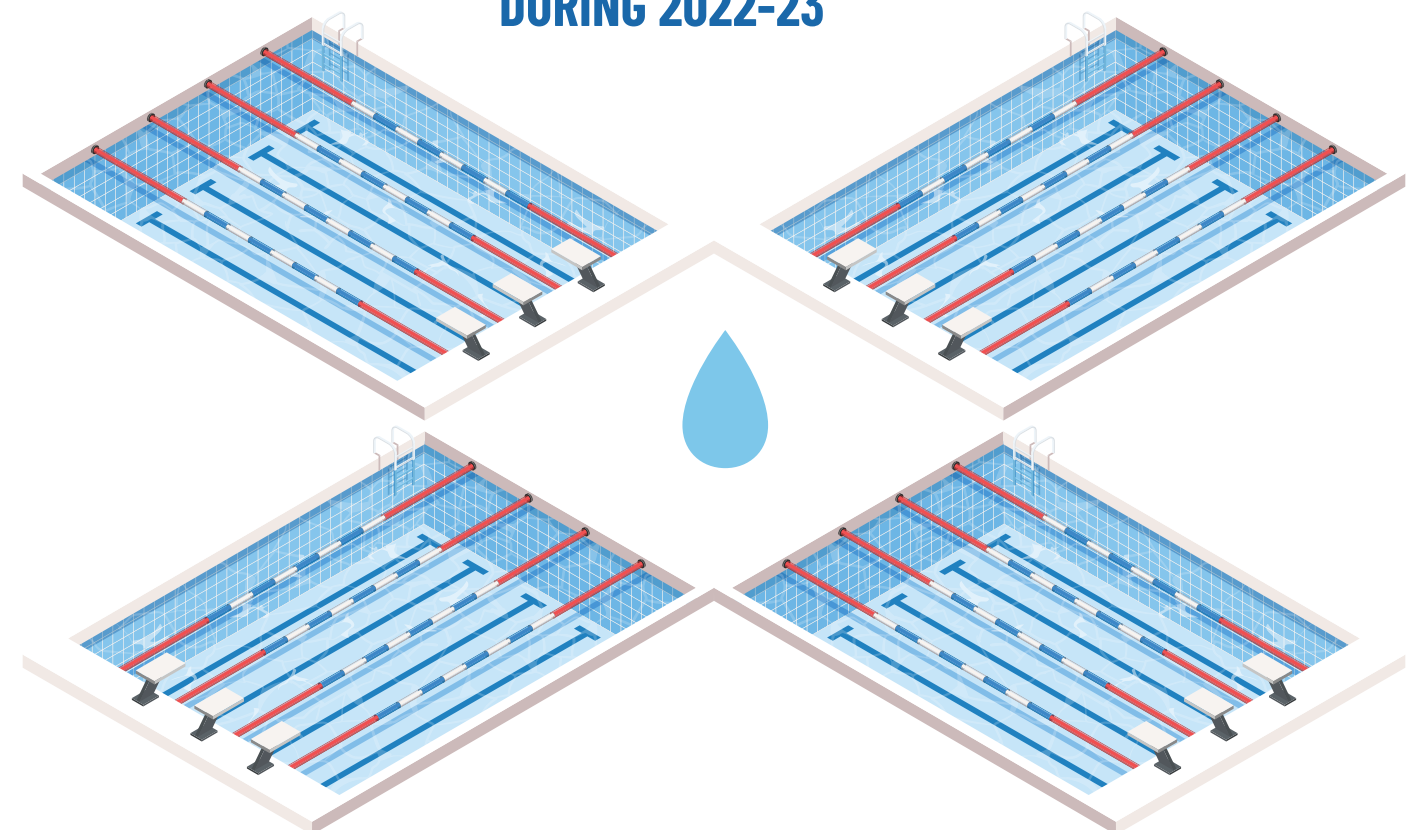
As part of our commitment to water conservation, we established an integrated watershed management program in the Beed district of Maharashtra covering a total area of 3300 hectares, through our corporate social responsibility (CSR) efforts. Our surveys have indicated that the potential annual groundwater recharge in the area reached 11,513.6 million litres last year, significantly exceeding the amount of water consumed within our reporting boundary.

We remain steadfast in our dedication to maintaining a water-positive position as we continue to progress

GROUNDWATER RECHARGE BY WATERSHED INTERVENTIONS, BY DISTRICT



11,689.10 = **4,065**
MILLION LITRES OF WATER RECHARGED DURING 2022-23
 OLYMPIC SIZED SWIMMING POOLS



Giving back more than
we consume, makes us

WATER POSITIVE



03 Create Social value

The implementation of land use and water management practices is essential to reduce the vulnerability of farming communities in semi-arid areas.

OUR APPROACH

We initiated an integrated watershed development program in 2016 over ~3300 hectares of land in the villages of Bavi, Zapewadi and Jamb village in the Beed district of Maharashtra. The implementation of watershed interventions was completed in 2019. Nisarg Vikas Bahuudeshiaya Sevabhavi Sanstha (Nisarg) in partnership with National Bank for Agriculture and Rural Development (NABARD) supported the design and implementation of these watershed interventions.

In order to assess the impact of the watershed development, we collaborated with Ekonnnect Knowledge Foundation. The impact was assessed in terms of amount of water conserved due to implementation of watershed interventions and social impact

WATER RECHARGED VS CONSUMED

WATER	FY 2022-23	FY 2021-22	FY 2020-21	FY 2019-20
Recharged yearly (Mn Litres)	11,689.1	15,803.7	12,433.9	11,689.1
Consumed Yearly (Mn Litres)	224.66	309.51	299	368

3,300

HECTARES OF INTEGRATED WATERSHED IDENTIFIED

The program saw a significant rise in surface water bodies - lakes, streams, water channels in both pre and post monsoon seasons



IMPACT ASSESSMENT OF THE BEED WATERSHED PROJECT

WHEN

- a. May 2022 (Pre-monsoon)
- b. September 2022 (Monsoon)
- c. March 2023 (Post Monsoon)

WHAT

- a. 26 wells across the 3 villages
- b. Analysis of:
 - » Water quality and quantity
 - » Changes in vegetation cover
 - » Surface water quantity
- c. More than 270 Households (17% of the total no. of households) for social impact

TOOLS USED

- » Remote Sensing and Geographic Information System (GIS)
- » Structured questionnaire for household surveys
- » Focused group discussion (FGD) guide
- » In-depth interview guide

APPROACH TO ESTIMATE POTENTIAL GROUND WATER RECHARGE

- a. Direct groundwater infiltration of rainwater from land surface with less than 20% slope
- b. Groundwater infiltration at check dams and other rainwater harvesting structures that allow rainwater sufficient time to percolate
- c. Partial groundwater infiltration of irrigation water in the crop land area

CONCLUSION

- a. The Potential groundwater recharge stood at 369.03 Ha-m in Bavi, 323.04 Ha-m Zapewadi, and 459.29 Ha-m in Jamb
- b. There was a significant rise in surface water bodies such as lakes, streams, water channels etc. in the pre-monsoon and post-monsoon seasons, across Jamb, Zapewadi and Bavi

**Community participation
has been key to
sustaining the watershed
interventions which
played a dual role in
providing both natural
resource conservation
as well as livelihood
generation.**

Jamb Village, Beed



OUR IMPACT



CASES OF ALCOHOL
ABUSE HAVE
DECLINED DUE TO
AVAILABILITY OF
WORK AND INCREASE
IN ANNUAL INCOME



WOMEN IN
VILLAGES
HAVE BANK
ACCOUNTS

50%

REDUCTION IN MIGRATION OF
FARMERS HAS BEEN OBSERVED
DUE TO AVAILABILITY OF WATER
IN SUMMERS

NUMBER OF HOUSEHOLDS
BENEFITTED

270+

INCREASE IN DRINKING
WATER AVAILABILITY BY

2-3 MONTHS

INCREASE IN
LITERACY RATE

83%
IN BAVI

63%
IN JAMB

WASTE



From waste to wealth

Waste is a subject of growing concern globally. In the process of urbanization and city-making, considerable material resources are consumed and waste generated.



WHY IT MATTERS

In the context of cities, waste generation is both an individual as well as an institutional problem – not only due to individuals living in cities, but also as a result of the process of creating and building cities. Furthermore, expected expansion in construction projects suggests that in the near future, Indian cities will experience waste generation at an unprecedented pace.

From construction to demolition and disposal, buildings and their constituent materials, intensively use and consume energy resources, are sources of dust pollution, contribute to clogged drains and polluted rivers. The sector generates pollutants due to long waste-transportation routes and ineffective waste management value chains.

At GPL, we are committed to waste minimization at source and deploy a consistent approach towards safe and sustainable disposal.

We ensure stringent adherence with waste management-linked regulations and embrace a 'beyond compliance' approach to minimize the environmental impact of the waste we generate.



OUR GOALS



01
Enable sustainable supply chains



02
Manage real estate construction waste



03
Manage waste within residential societies



04
Minimize waste to landfill



05
Use wealth centres for place-making

01 Enable sustainable supply chains

Creating strong supply chain networks is essential for developing sustainable real estate. This aids us in reducing supply chain risks that might have an impact on our operations, business continuity, and reputation.



OUR APPROACH

We follow a 4-step approach from planning to final operations to efficiently use resources and move towards sustainable procurement.

Improved resource efficiency contributes to higher productivity, lower costs and an increase in business competitiveness. We utilize resources optimally in our operations and across our supply chain. This is further supported by consistent measures to recycle, reuse, optimize and innovate. Some of the materials procured on site under GPL's green certified development portfolio, contain recycled content. Based on the percentage of recycled content within these materials, we quantify total spends as a percentage of materials procured. This helps us assess and reduce the procurement and usage of virgin material.

OUR APPROACH



PLAN & DESIGN

Design for reduced footprint (energy, water & waste)



PROCUREMENT

Recycled content material



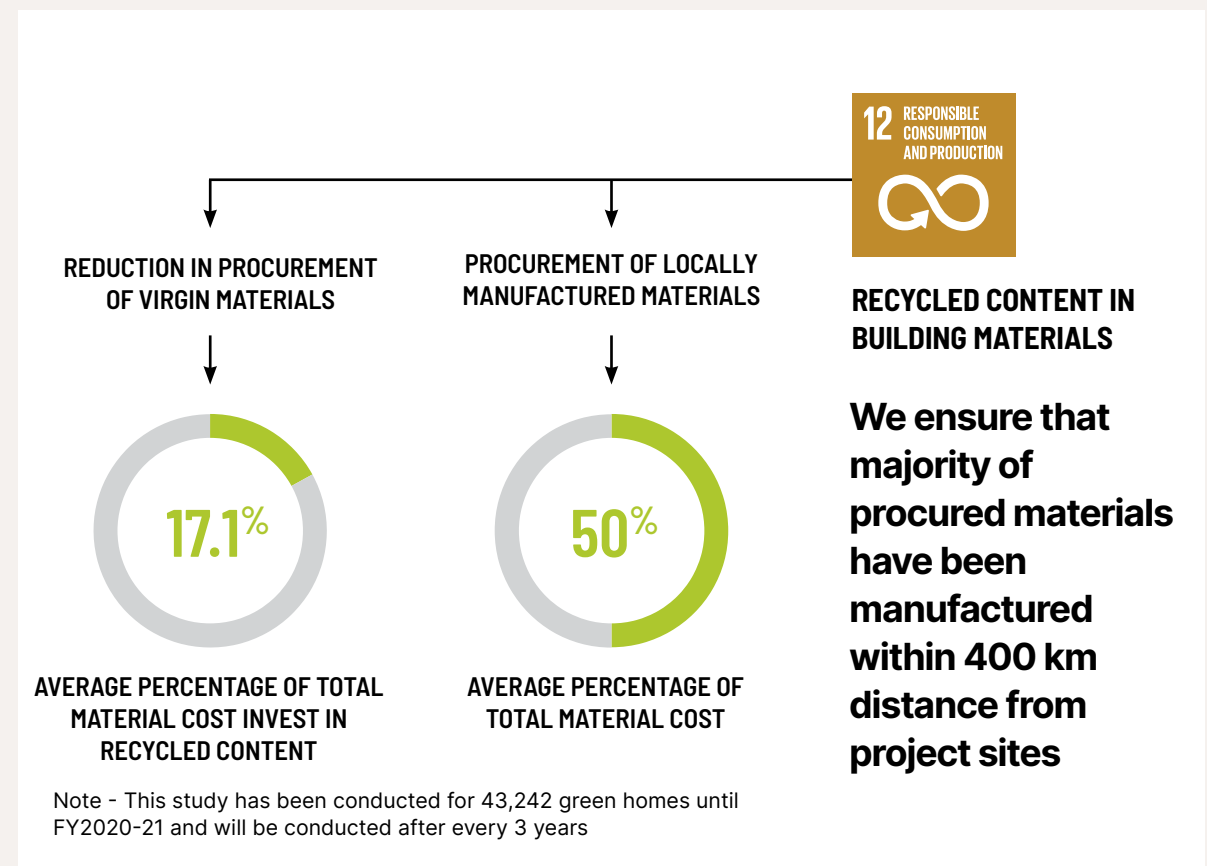
CONSTRUCTION

Resource efficient construction



OPERATE

Resource efficient Operation after Handover



OUR RESULTS



GPL was recognized by CDP as a Supplier Engagement Leader in 2022, and is among the top 8% assessed for supplier engagement on climate change, based on 2022 CDP disclosure

VENDOR ASSESSMENT AT GPL

58

TOTAL CRITICAL TIER-1 SUPPLIERS IN TERMS OF THE ENVIRONMENTAL IMPACT

49

RESPONSES RECEIVED FROM TIER 1 SUPPLIERS/CONTRACTORS

329

NUMBER OF SUPPLIERS ASSESSED ON ESG PARAMETERS

02 Manage real estate construction waste

Construction and demolition waste is a pressing problem for the sector and requires an ecosystem approach.



OUR APPROACH

We commissioned a construction waste management study, with our NGO partners and with participation from other developer partners, as part of our CSR mandate. The study was conducted at 14 active construction sites across 4 cities Bengaluru, Gurugram, Mumbai, and Pune and has generated tangible results that we hope to take forward into industry action.

Our aim was to address the challenges in waste management by using a measurement focused approach to quantify the actual waste produced during the construction of mid-sized residential properties in India.

This research provides answers to four key questions:

- » What is the quantum of waste (kg) generated per square feet of built-up area?
- » What are the constituents of waste generated at site?
- » How much waste is generated in each construction stage?
- » How does this waste travel and where does it end up?



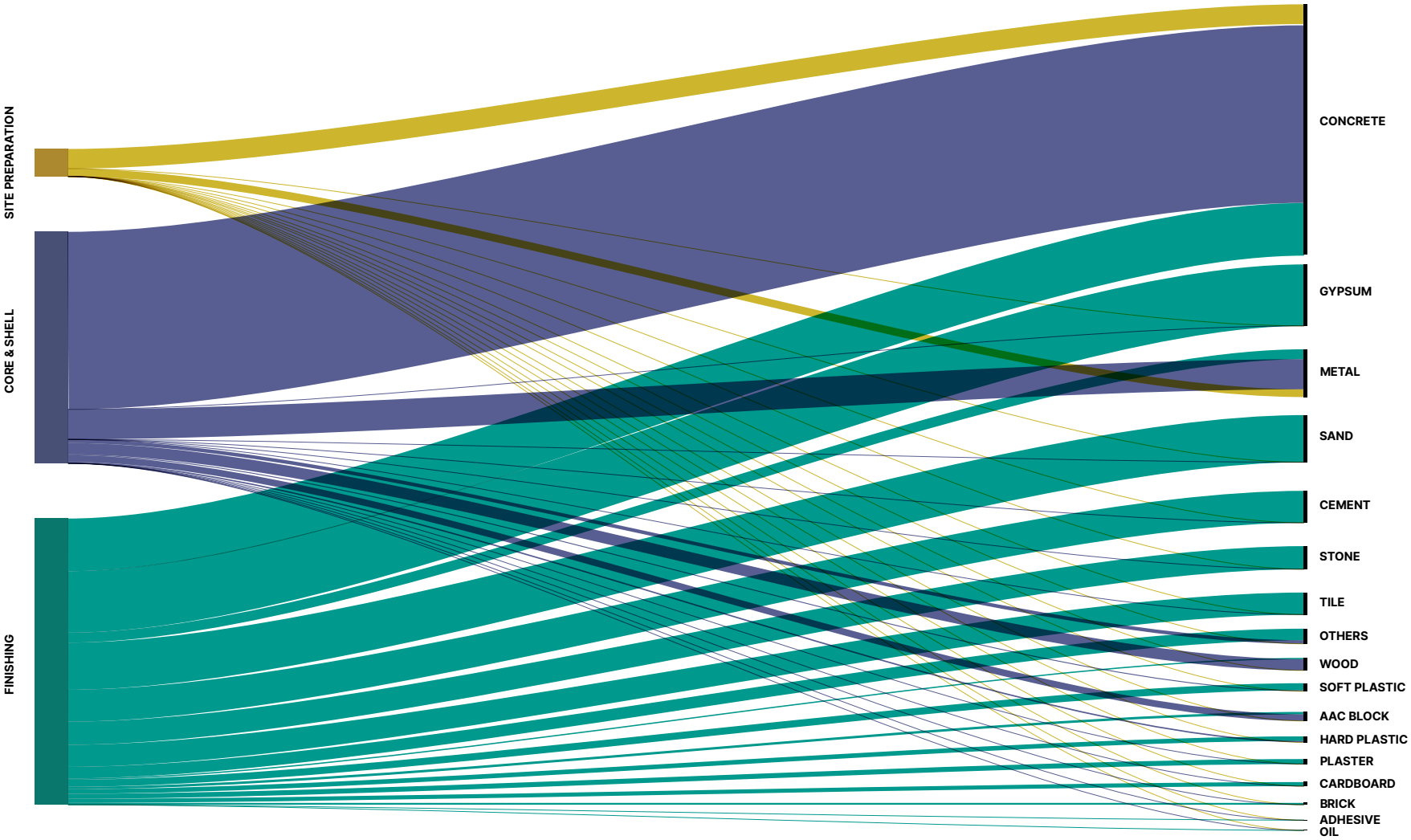
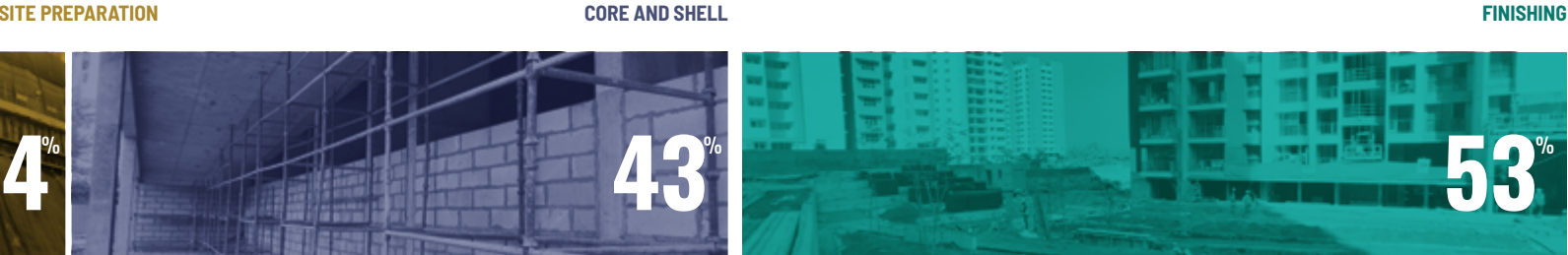


Measuring Material Waste

We mapped more than 141 materials on site. For ease of quantification, materials with similar properties were clubbed together under a common core material.

To understand the quantum of waste generated in a project completely requires a longitudinal study from initiation to project completion.

A typical construction project of this scale, on an average, spans 3.5 years. Therefore, to study the entire construction cycle within one year of research, we identified the 14 sites such that the entire construction process could be studied in each of the four regions.



INSIGHTS

3.64 kg/sft

The quantum of waste measured in a mid-scale residential Mivan construction project in India.

Waste matters and the matter of waste could easily be turned into a recycling opportunity for a sustainable future.

The construction cycle for a typical mid-scale residential project consists of three stages: Site preparation, Core and shell and Finishing. There are a total of 27 sub-stages under these three stages.

Site Measured approach has allowed us to understand construction waste material quantities and distribution for a typical mid-scale residential development using Mivan construction. These numbers may vary based on the materials used, and the level of waste reduction efforts employed during construction.

There is an immense scope to reduce waste generated during construction by using various methods including careful material selection at the design level, lean construction methods during execution, and recycling and reusing waste material post execution.

Addressing the challenges of Construction Waste (CW) management in India requires both incentive and disincentive mechanisms that can encourage the entire ecosystem to re-look at established processes, innovate and evolve. CW management plans need to be developed as a win-win scenarios for cities, real estate developers and contractors.

VIEW THE HANDBOOK



The responsibility of all stakeholders within the real estate sector goes beyond delivering buildings. The problem of construction waste needs commitment to urgent and effective action. This handbook recommends practical steps and shares guidance for adoption of practices for developers to manage and control waste generated at their sites. We implore the sector to collectively pledge to a zero-waste approach to construction.

DOWNLOAD THE HANDBOOK

Concrete and gypsum are basic building materials that are used in large quantities and are significant contributors to construction waste.

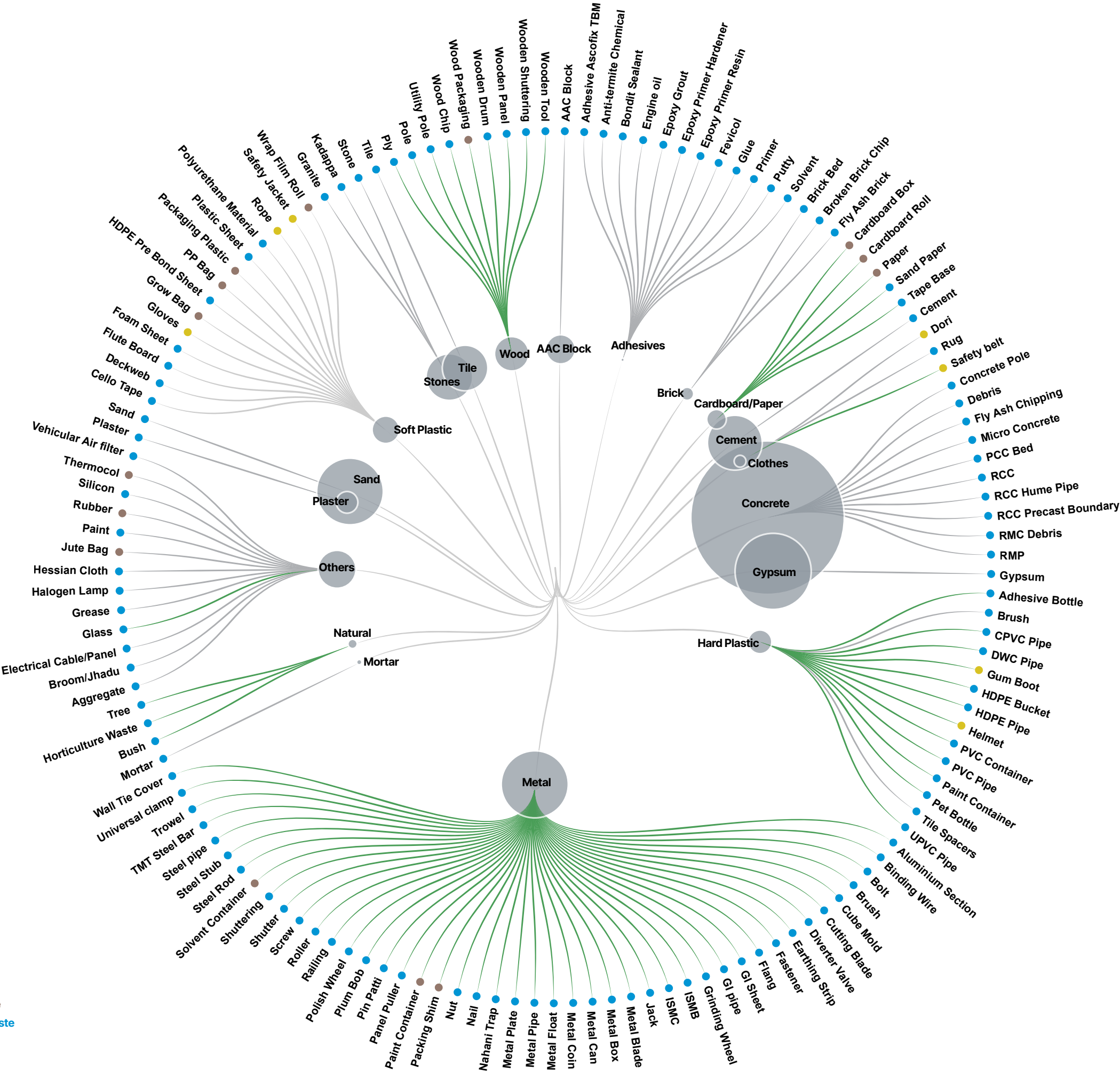
19
CORE MATERIALS

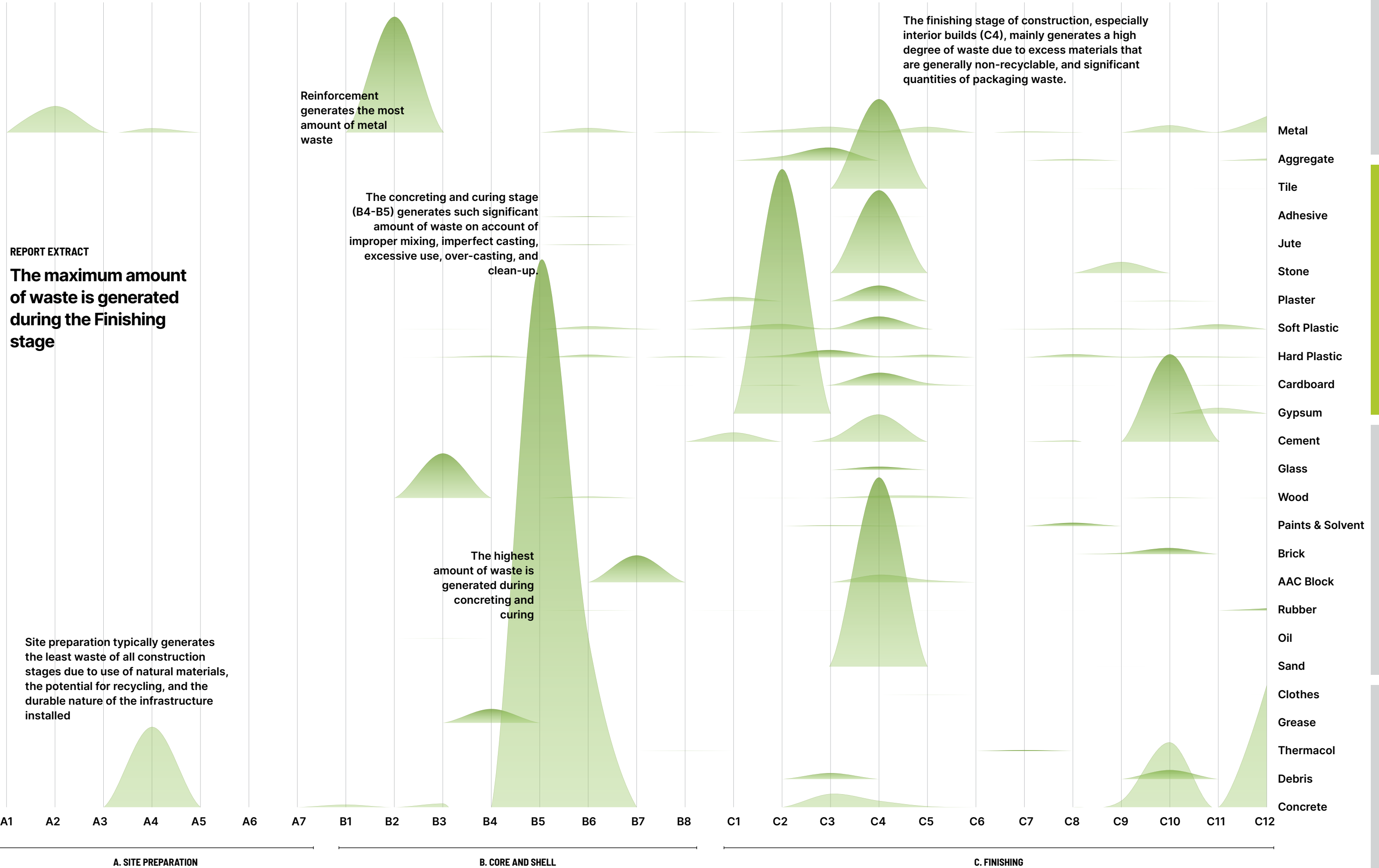
141
MATERIALS IDENTIFIED ACROSS 19
CORE MATERIALS

95
MATERIALS ARE
CURRENTLY
RECYCLED

46
MATERIALS HAVE
THE POTENTIAL TO
BE RECYCLED

HOW TO READ THIS GRAPHIC





03 Manage waste within residential societies

Our developments are planned for our residents to reduce, reuse and manage waste in a proactive manner.

OUR APPROACH

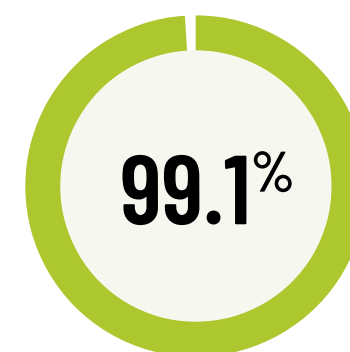
Dry and wet waste bins provided on each floor; centralized waste collection and segregation area for dry waste below each building tower and categorizing dry waste by constituents. Our common area facilities are equipped with colour-coded bins that support efficient collection and segregation of waste. We also promote the installation of Organic Waste Converters (OWCs), which cater to at least 50% of total organic kitchen and landscape waste generated during the occupancy phase.

Total number of occupants/persons have been obtained from the individual project data obtained. The occupancy for the same has been calculated considering an average of 4-6 occupants per housing unit.

For residential, Organic waste generated is considered to be 0.25 kg/person/day and Dry waste generated is considered to be 0.37 kg/person/day

OWC generated compost is equal to 30% of total waste treated by quantity.

20 tonnes of compost on average caters to 1 acre of land



ORGANIC WASTE IS TREATED ON-SITE



OUR IMPACT



4,500

METRIC TONS / YEAR COMPOST GENERATED

enough Compost for



230

ACRES OF LAND

26,051.8

MT/YEAR DRY WASTE (RECYCLABLE) GENERATED ON SITE

16,277.6

MT/YEAR ORGANIC WASTE TREATED ON-SITE

Note - This study has been conducted for 43,242 green homes until FY2020-21 and will be conducted after every 3 years

04 Minimize waste to landfill

Waste does not disappear and our premise for all waste management programs and internal efforts is to utilize all waste as a resource.



OUR APPROACH

To achieve our goal of 'Minimising waste to landfill' we have set up Decentralised Solid waste management in Konark, Bhubaneswar, Agra, Budni, Gohad, Dhanpuri & Bakho.

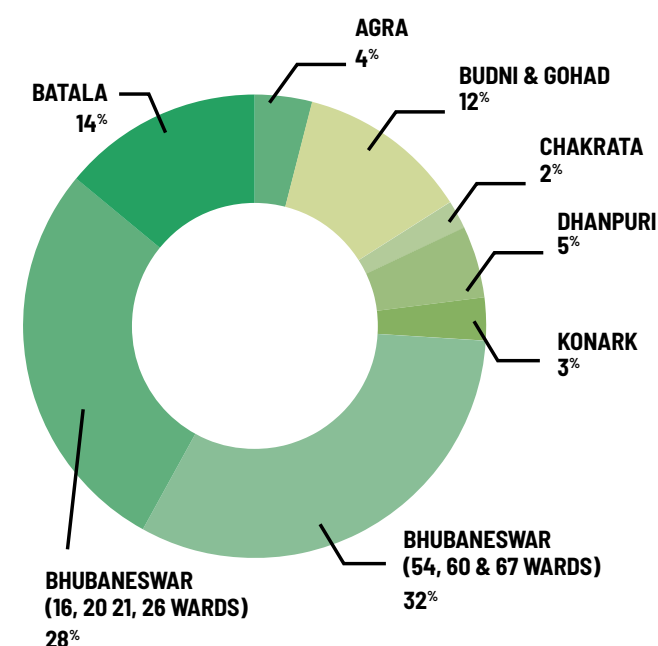
In addition to this, we have also piloted Bioremediation and Biomining of Landfill site of Chakrata along with setting up of Material Recovery Facility and Micro-composting centre at the site.

We have partnered with our NGO partners in order to translate innovation to on ground results to benefit both the community as well as the environment, thereby harnessing synergies to enable effective waste management.

We have successfully diverted 10,000 tonnes of municipal solid waste from landfills in Orissa through SWM projects at Konark and Bhubaneshwar and hope to scale this model to other cities.



WASTE DIVERTED FROM LANDFILL IN FY 22-23



13,270

TONNES OF WASTE DIVERTED FROM LANDFILL IN FY 22-23

754

WASTE GENERATORS PRACTICE IN-SITU COMPOSTING



OUR IMPACT

14.52 Cr

GOVT FUNDS UNLOCKED THROUGH DSWM PROJECTS

98,589

IEC ACTIVITIES CONDUCTED TILL DATE

81,702+

CITIZENS HAVE BEEN REACHED THROUGH IEC ACTIVITIES, POCKET TRIGGERING, DOOR-TO-DOOR MOTIVATION, CLEAN UP DRIVES OR CAMPAIGN RALLIES

300

PEOPLE PROVIDED EMPLOYMENT THROUGH SWM PROJECTS



30%

NUMBER OF WASTE GENERATORS WERE REACHED THUS FAR

05 Use wealth centres for Placemaking

Our cities are struggling with man-made mountains of waste that are growing and reflect a lack of consideration for the environment.



OUR APPROACH

Recent pilot projects in cities such as Bhubaneswar provide insights on what it takes to address these challenges at scale. The city has started processing waste at micro-composting centres (MCC) and material recovery facilities (MRF) resulting in most of the waste being reused or recycled. Our learnings from the project indicate that a community led change in perspective helps adoption.

These places provide local inhabitants with the sense that they are contributing to a living system which is in symbiosis with local ecosystems.

Instead of looking at waste segregation and processing as an additional burden, there is an opportunity to use MRF facilities as urban public spaces with multiple uses throughout the day.



<https://www.youtube.com/watch?v=VmL80HJSR-c>



OUR IMPACT



IMPROVEMENT IN SWACCHH SURVEKSHAN RANKING OF URBAN LOCAL BODIES THROUGH CSR PROJECTS

Waste segregation facilities are the new wealth centres in our cities.

IMPROVEMENT IN SWACCH SURVEKSHAN RANKING OF URBAN LOCAL BODIES THROUGH CSR PROJECTS

SWACCH SURVEKSHAN	URBAN LOCAL BODY	2019	2022
Zonal Ranking	Konark	312	57
	Bhubaneswar	274	80
National Ranking	Budni	292	61



Material Recovery Facility at Bhubaneswar

There is an opportunity to use Material Recovery Facilities as urban public spaces with multiple uses throughout the day.



A DAY AT MICRO-COMPOSTING AND MATERIAL RECOVERY FACILITY AT BHUBANESWAR

5:45 AM - 6:00 AM

Morning prayer, briefing and attendance for all team members



6:00 AM - 10:00 AM

Pit turning for wet waste



12:30 PM - 2:00 PM

Compost drying and sieving



2:00 PM - 3:00 PM

Lunch Break



3:00 PM - 4:00 PM

Review and development planning of value added products



4:00 PM - 6:00 PM

Community mobilization/ Information, education, communication (IEC) activities



6:00 AM - 6:00 PM

Compost and nursery centre timing



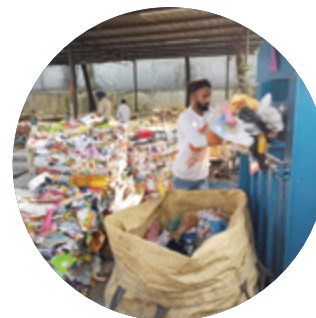
6:00 AM - 12:00 PM

Door-to-door collection of waste from domestic, commercial and institutional waste generators



9:00 AM - 1:00 PM

Secondary segregation, visual inspection of wet waste, pit turning



2:00 PM - 4:00 PM

Shredding and weighing of wet waste, sorting, weighing and storing of recyclables from dry waste



2:00 PM - 9:00 PM

Bailing of recovered recyclables



4:00 PM - 5:00 PM

Cleaning of equipments, containers, Micro composting centre (MCC) and Material Recovery centre (MRF)



7:30 PM - 8:30 PM

Evening sessions of badminton, carrom and chess



Placing workers at the core of business

We firmly believe that we can place worker wellbeing at the core of resilient and sustainable business.



WHY IT MATTERS

The construction sector comprising of mostly informal workers, largely migrants contributes to ~9% of India's GDP. Government data estimates that the sector employs 57 million workers, a total of 50 million men and 7 million women across the country. A significant proportion of this group is made up of mostly unskilled seasonal migrants from the heartland of India to larger cities and metropolitan areas.

The construction industry is a challenging one where daily jobs can pose numerous unaccounted risks for the worker. Unfortunately, the complexity of the labour supply value chain, often places 'principal employers' further away from the worker. Workers are often not covered through formal company policies that would typically ensure payment of minimum wages, safe working and living conditions, food, health care and other basic services.

Our aspiration is to take greater responsibility for worker practices in our ecosystem, acknowledge the criticality of this workforce and uphold higher standards of worker wellbeing in a way that enables socially responsible businesses to continue as viable and successful ones.

The onus lies with us, to chart the future as one where workers join of aspiration rather than distress.



OUR GOALS



01 Ensure Worker Safety



02 Enable Social Protection for workers



03 Improve worker well being

01 Ensure worker Safety

At GPL worker safety and well-being is our utmost priority.



OUR APPROACH

We have a robust mechanism right from contractor selection to ensure implementation of applicable Occupational Health & Safety at all our locations through the following mitigation plans:

- » Contractor Pre-Qualification is carried out before we award any contract.
- » Contract Safety Rules & Regulations are enforced
- » Kick Off meeting is conducted for on boarded contractor.
- » Mandatory Safety Induction for all employees including contract workers.
- » In addition to induction, job specific trainings are also conducted at our locations.
- » Quarterly internal safety audits are conducted to identify improvement areas.
- » Contractor performance evaluation is carried out and Support provided



OUR IMPACT

26,258

SAFETY KITS DISTRIBUTED TO CONSTRUCTION WORKERS

4 KEY ELEMENTS OF OHS RISK MANAGEMENT



INFRASTRUCTURE



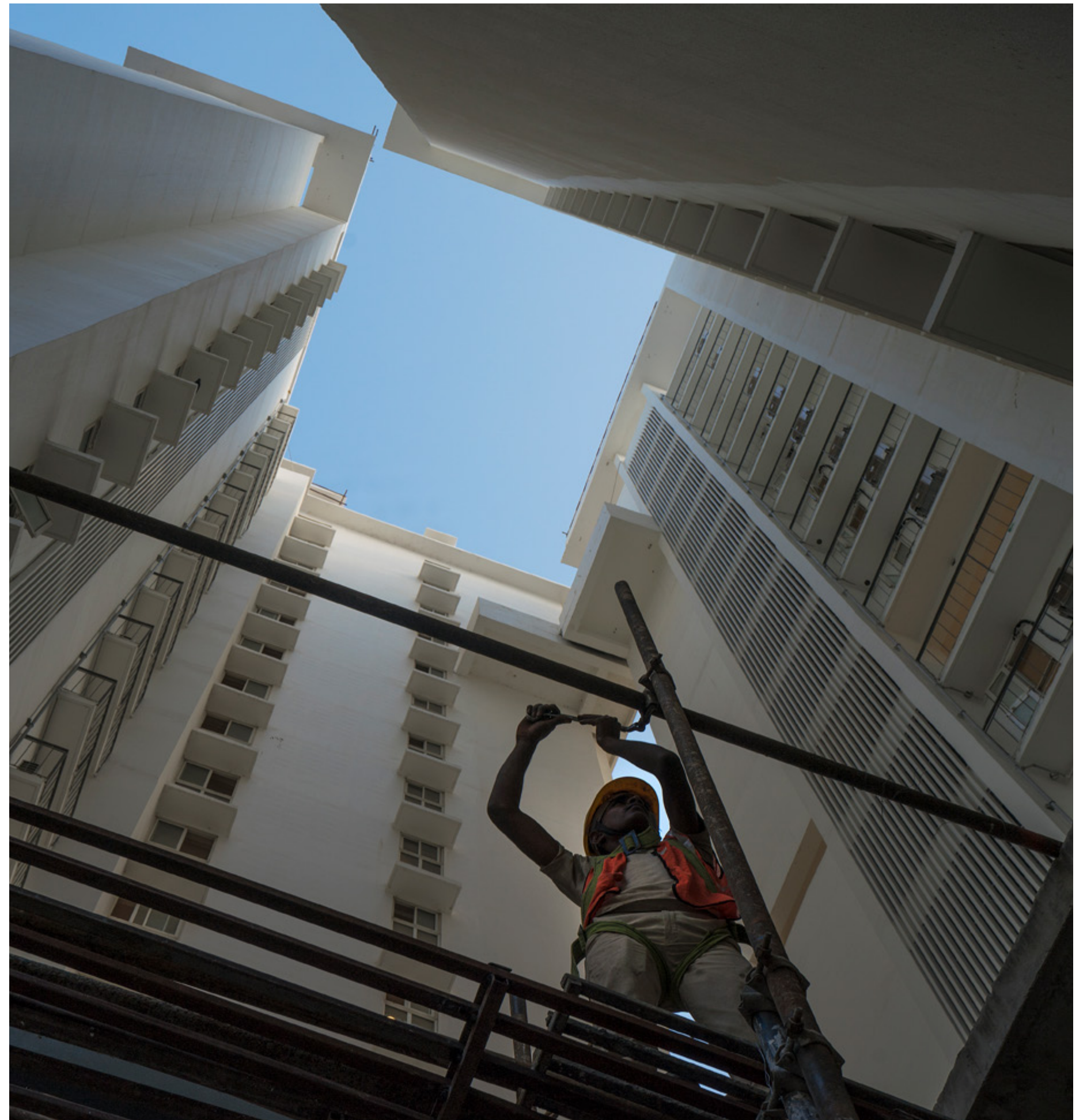
OHS MANAGEMENT SYSTEM

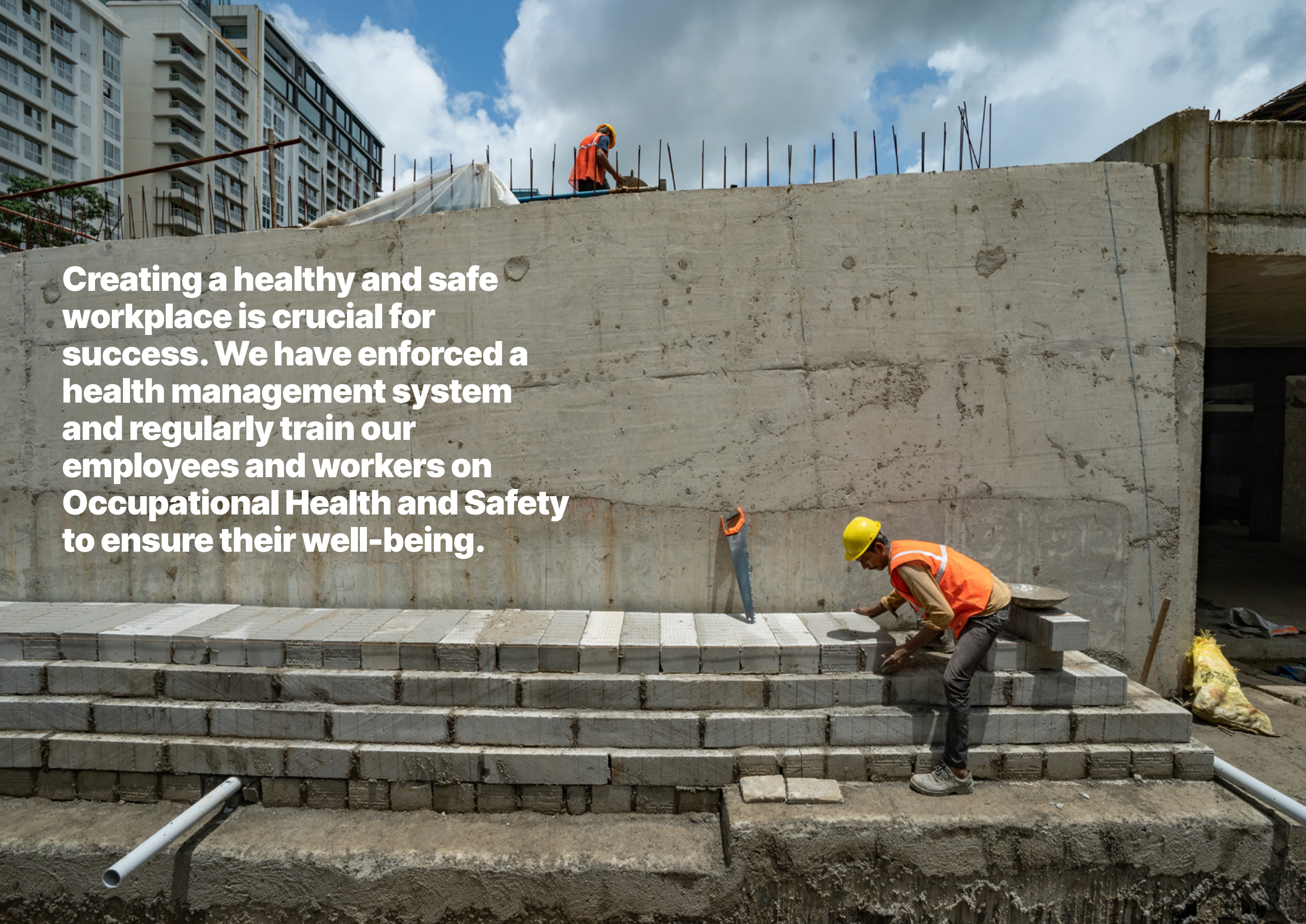


PEOPLE & LEADERSHIP



CONTINUAL IMPROVEMENT





Creating a healthy and safe workplace is crucial for success. We have enforced a health management system and regularly train our employees and workers on Occupational Health and Safety to ensure their well-being.

02 Enable Social Protection for workers

The building and other construction workers (BOCW) constitute one of the largest categories of workers in the unorganized sector.

OUR APPROACH

Based on the sample survey conducted by the National Sample Survey Organisation (NSSO), Ministry of Statistics and Programme Implementation (MoSPI) in 2011- 12, about 5.02 crore workers are employed in construction activities.

According to the Annual report FY 2021-22 of the Ministry of Labour and Employment, approximately, ₹78,521.24 Crore (cumulative) has been collected as BOCW Cess by the State Governments and Union Territories till date and an amount of approx. Rs. 43,121.84 Crore (cumulative) is still lying idle with the State Welfare Boards.

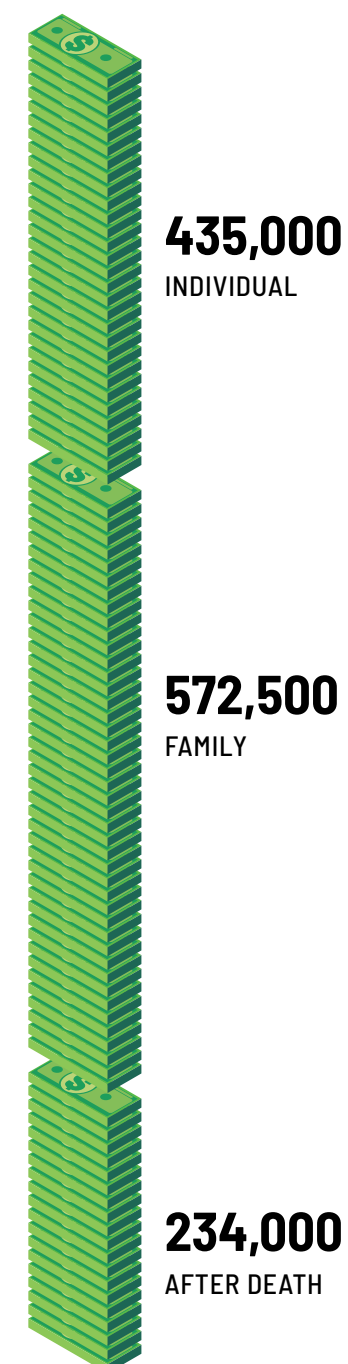
The Ministry further stated that not all workers could avail Direct Benefit Transfer (DBT) during COVID-19 Pandemic as most did not have Aadhaar cards and bank accounts.

At GPL, our objective is to help these marginalized but important stakeholders. Together with our NGO partners we work towards unlocking governments funds and providing access to entitlements and social protection. We facilitate access to welfare schemes and provide complete support. These schemes are specifically designed for construction workers. Each BOCW registered worker has the potential to unlock approximately ₹12.41 lakhs of government funds.

100%
GPL aims to achieve 100% BOCW registration across all project sites to facilitate access to government funds



12.41 LAKHS
POTENTIAL AMOUNT OF GOVERNMENT FUNDS THAT CAN BE UNLOCKED BY EACH BOCW REGISTERED WORKER



OUR IMPACT

63,159
BOCW CARDS DISTRIBUTED

25,584
BENEFICIARIES PROVIDED PRADHAN MANTRI SURAKSHA BIMA YOJNA (PMSBY)

417
PREGNANT WOMEN PROVIDED MATERNITY ASSISTANCE

192
FAMILIES OF CONSTRUCTION WORKERS PROVIDED WITH FINANCIAL SUPPORT AFTER DEATH OF THE WORKER

243
CONSTRUCTION WORKERS PROVIDED FINANCIAL SUPPORT FOR THEIR MARRIAGE/ CHILDREN'S MARRIAGE

13,447
FAMILIES OF CONSTRUCTION WORKERS PROVIDED EDUCATIONAL AND SCHOLARSHIP ASSISTANCE FOR THEIR CHILDREN

Standing by
our workers



200,000

WORKERS
TO BE BOCW
REGISTERED
BY 2026



100%
OF OUR WORKERS WILL BE
BOCW CERTIFIED BY 2026



03 Improve worker well-being

Family health support and early childhood development have remained key focus areas through the years



OUR APPROACH

We ensure crèches on our sites and through our CSR programs support creches within the real estate ecosystem. These creches provide health check-ups, nutrition support, early childhood care, education, skill development, physical training and mid-day meals.



OUR IMPACT

1,410

CHILDREN WERE REACHED

349

MALE LABOURERS PROVIDED WITH REGULAR CHECKUPS

1,759

FEMALE LABOURERS PROVIDED WITH REGULAR CHECKUP

207

PREGNANT AND LACTATING WOMEN WERE PROVIDED GYNECOLOGY COUNSELLING

23

CRECHES ACROSS THE COUNTRY ARE SUPPORTED BY GPL

1,424

CHILDREN WERE PROVIDED HEALTH CHECK UPS ACROSS CRECHES

67,639 construction workers benefitted through our Building and Other Construction Worker registration programs.



"paid medical expenses for my wife's delivery"



"funded my daughter's marriage"



"received accidental insurance coverage"



"availed free BMTC bus pass"



"paid Rs.60000 for my daughter's college fees"



"paid my daughter's school education fee"



"received financial aid for my daughter's marriage"



"my medical and financial future is secure"



"invested in my child's education"



"enrolled my children in a good school"

Changing worker lives and livelihoods

Presenting a few case stories of unorganised construction workers, who are registered with state BoCW boards and benefited from various schemes which are changing their lives and boosting their participation in the growth story of India.

...received the educational benefit to pay my daughter's college fees...

I am registered with Maharashtra Building And Other Construction Worker's Welfare Board. With the help of the foundation, I applied for the educational scheme for my daughter Monisa Makandar, she is admitted for engineering in Electronics and Telecommunications. The BoCW board provided me timely support and I received the educational benefit of Rs 60,000, to pay her college fees. Thank you to Kolhahour BoCW board and team.

Nasrulla Akbar Makandar
Mason Worker

.... send my son for further studies

I registered myself with the Maharashtra Building And Other Construction Workers Welfare Board on 08/12/2021. My son got admission in for Masters in International Business degree. We were trying hard to put funds together to meet the necessary expenses. We were trying for donations and educational loans, but I was not eligible for loan. The foundation and BoCW office team provided me very timely support, they helped me to avail educational welfare scheme benefits of 3 lakh rupees. With their supports amongst others, I could send my son for further studies.

Shivaji Hindurao Kasote
Mason worker

..paid my wife's maternity and hospital expenses

After registration, I was not aware about various benefits of BoCW schemes. The foundation and BoCW office team contacted me in Kolhapur, they provided me detailed information about various benefits. I got Rs. 20,000 from health welfare scheme from Maharashtra Building and Other Construction Workers Welfare Board. My wife was expecting and for delivery I was in dire need of funds. Since I was already registered, I was supported by the team to fill up the application for health welfare scheme, through which I received Rs 20,000, which I used to pay the hospital bill. It was very timely support for my family. I am grateful to BoCW board for providing such benefits and I recommend every construction worker should take advantage of the board.

Atish Krusnat Jarag
Construction worker

..funded my son's college fees and other education expenses.

I am registered in Maharashtra Building and Other Construction Worker's Welfare Board. My son got admission for graduation in electrical engineering. The foundation and BoCW team helped me avail educational scheme for my son's education. I claimed the educational scheme and received Rs 60,000. I was not able to pay college fees, but after getting the money through education scheme I was able to pay the college fees and other spendings. Only because of this scheme's support, my son is able to take further education. I am thankful to BoCW.

Namdev Shankar Patil
Construction worker

Cementing the future for construction workers

Godrej Properties launched the report 'Inclusive by Design: Cementing the Future for Informal Workers in India's Construction Sector' in partnership with Dasra, to provide actionable insights on the systemic barriers that heighten the vulnerability of the informally employed workers in this sector.

Placing worker welfare at the centre of its approach, the report highlights five strategic areas of opportunity as opportunities towards ensuring an equitable future for workers.

The report delves into the journeys of informal migrant workers in the sector, to reveal not only the inequities arising from the primary breakpoints impeding their progress, but also how key stakeholders play defining roles in their interactions. It also covers profiles of credible non-profit organizations doing noteworthy work to alleviate the existing situation, along with their key interventions.

Insights from this report are being used to inform the associated movement of Social Compact, not only in terms of providing evidence linked information towards the six outcomes; but also in recognizing the credible interventions of non-profits to support companies on their journey of improved worker well-being. Social Compact is now a thriving movement with 40+ companies and 5 industry hub focused worker facilitation centers.

Download the report

<https://www.dasra.org/resource/inclusive-by-design-cementing-the-future-for-informal-workers-in-indias-construction-sector>

Visit the website

www.workersinvisibility.org



5 STRATEGIC POINTS WHICH REQUIRE ACTION AND CONVERGENCE BETWEEN KEY INDUSTRY PLAYERS



ENABLE FINANCIAL, SOCIAL AND LEGAL PROTECTION

by securing requisite identity proof and worker registration



EMPOWER WORKERS' FAMILIES AND COMMUNITIES

by access to diverse livelihood opportunities to prevent distress led entry into the sector



IMPROVE DATA COLLECTION AND INTEGRATION

across workers' migration corridors and value chains to enable greater visibility and security



CREATE EXPECTATION ALIGNMENT

for workers through a channel informed by industry demand



ENSURE GENDER EQUITY IN OPPORTUNITIES

working conditions and wages through inclusive policies and practice

OUTCOMES OF THE SOCIAL COMPACT PROGRAMME

ENSURE HEALTH, SOCIAL SECURITY AND GRIEVANCE REDRESSAL

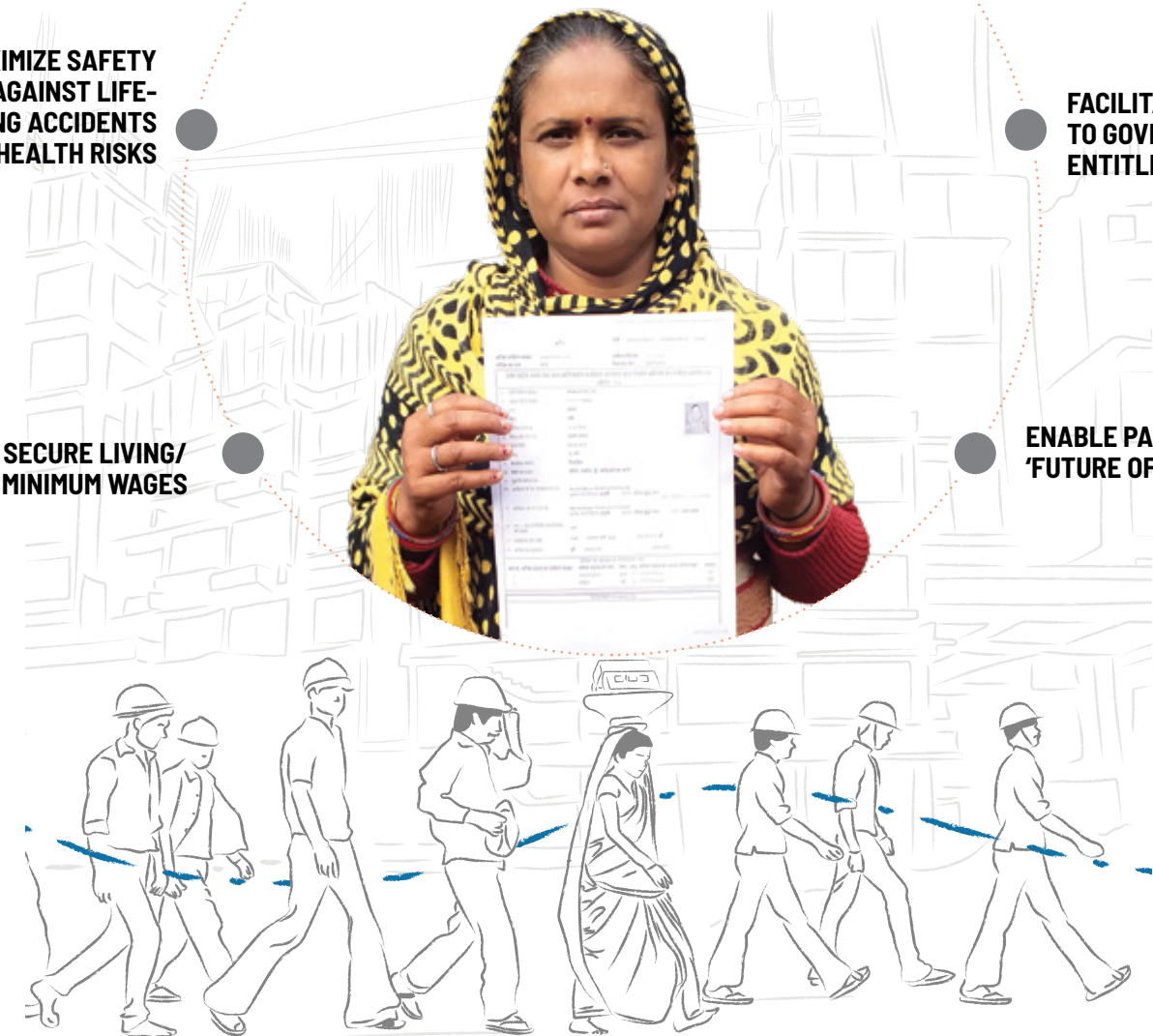
FOSTER GENDER EQUALITY

MAXIMIZE SAFETY AGAINST LIFE-ALTERING ACCIDENTS AND HEALTH RISKS

FACILITATE ACCESS TO GOVERNMENT ENTITLEMENTS

SECURE LIVING/ MINIMUM WAGES

ENABLE PARTICIPATION IN 'FUTURE OF WORK' ECONOMY



KEY FINDINGS FROM THE REPORT



9% of GDP

Construction is the third fastest growing industry



>50 million workers engaged in Construction

Several remain uncouned because of gaps in identification and data disaggregation



10times more men than women are employed

The demand for women is limited due to gendered skill gaps and societal norms



>80% of Informality in Employment

Outside of agriculture, construction employs the largest number of informal and migrant workers



EMISSIONS

Addressing emissions

Emissions management is the core of our climate change mitigation strategy. We have deployed a multi-pronged approach that includes increased adoption of alternative clean energy options, supporting energy efficiency measures and offsets through proactive afforestation and land use focused projects.



WHY IT MATTERS

Recognizing that 90% of a building's total energy consumption occurs while it is occupied, GPL understands the significance of energy usage as a substantial expense. Our long-term economic and environmental sustainability relies on the reduction of energy consumption and associated costs. To achieve this, we integrate energy-saving features into the design and construction of our buildings. We are committed to decreasing our operations' carbon footprint by promoting eco-efficiency and adopting renewable energy sources whenever feasible.

We also recognize that 95% of our emissions occur outside of our buildings and hence it is virtually impossible to achieve net zero through our own efforts. We are therefore dependent on a range of external factors, such as the government and regulatory action, to uphold our commitments towards a net zero future.

We identified 'Purchased Goods and Services' as the principal source of emissions with corresponding critical suppliers by emissions potential. Keeping climate science in our core, we accompanied our SBTi commitment to abate the above-mentioned emissions, mobilized best practices and took effective mitigation measures for our critical suppliers who continue to remain a priority.

Given the nature of operations in our real estate sector, Scope 3 forms the bulk of all our emissions with Category 1 comprising a major part. Bringing our material suppliers for concrete (RMC), tiles, steel (TOR) and cement under the ambit of SBTi emission targets, will cover two-thirds of our supply chain, which forms 80.45% of our Category 1 emissions.



OUR GOALS



01 Reduce emissions through green power sources



02 Address emissions through crop residue management



03 Achieve carbon sequestration through afforestation

01 Reducing emissions through green power sources

We are committed to decreasing our operations' carbon footprint by promoting eco-efficiency and adopting renewable energy sources whenever feasible.



OUR APPROACH

We have submitted our Scope 1 & 2 direct emission year on year reduction target to SBTi for validation in FY 2022-23 following an annual linear reduction rate aligned with 1.5°C.

To reduce the Scope 1 & 2 emissions from the base year FY 2020-21, we identified the following clean energy options for electricity use:

- » Operate on 100% green power from the grid.
- » Operate on hybrid arrangement 1 (Operate from grid electricity and solar power)
- » Operate on hybrid arrangement 2 (Operate from green power from the grid and solar power)
- » Operate on grid electricity (in case none of the above options are feasible)

By exploring clean energy options, we aim to diversify our energy sources and significantly reduce our reliance on fossil fuel-based electricity.

The approach will be a combination of strategies based on factors such as availability, feasibility, cost-effectiveness, and alignment with our emission reduction targets.



BASE YEAR: FY 21

Total office area: 32,325 sqm
Scope 1 & 2 emissions : 3,846.77 tCO₂
Emission Intensity: 0.12 tCO₂/m²

TARGET YEAR: 2035

Emission Intensity: 0.03
tCO₂/m² Emissions reduction
required: 4,200 tCO₂



OUR IMPACT

24,863/tCO₂e

COST OF ABATEMENT

911 tCO₂e

TOTAL EMISSIONS ABATED TILL 2025

02 Addressing emissions through crop residue management

Changing weather patterns have impacted cropping cycles with serious externalities. With delayed onset of monsoons, farmers in North India have had no recourse but to burn crop residue in their fields to ready them for sowing the next crop.



OUR APPROACH

As part of our CSR mandate, we had initiated a pilot Crop residue management (CRM) project that has been scaled up. The project is in alignment with the Government of India's guidelines (2020) for CRM for Punjab, Haryana, Uttar Pradesh and National Capital Territory of Delhi. The mandate was to reduce stubble burning with its negative impact on air pollution levels in NCR.

The objective of the project is to attain zero stubble burning by utilizing suitable options. It is estimated that approximately 16000 TCO₂ will be prevented adversely impacting the environment through these interventions over a span of 3 years. In its first year of implementation, the impact of interventions could be seen in 8 villages of Qadian and Sri Hargobindpur block with total coverage of 956 hectares.

We are pleased to report that as of this year, stubble burning across 2550 Hectares of farmland was avoided. We covered 15 villages reaching 3956 farmer families. 1,25,954 quintals of stubble were collected, transported, and processed. Stubble used as a fuel in sugarcane factories, collected for making Biomass pellets, used as fodder and mulch in soil.



OUR IMPACT

125,954 QUINTALS

OF STUBBLE WERE COLLECTED,
TRANSPORTED AND PROCESSED

2,550

HECTARES AVOIDED FROM
STUBBLE BURNING IN FY
2022-23

47,207

QUINTALS OF STUBBLE WERE
COLLECTED, TRANSPORTED
AND PROCESSED

3,956

FARMER FAMILIES
REACHED IN FY 2022-23

500

tCO₂e OF TOTAL
EMISSION REDUCTION
ACHIEVED BY AVOIDING
CROP RESIDUE BURNING

4,289

FARMERS IMPACTED

15

VILLAGES REACHED IN FY
2022-23

**The village of Cheema
Kalan achieved the
distinction of the
first village where no
stubble was burned
this year.**



03 Enabling carbon sequestration through afforestation

We are mindful of the potential of the effects of our operations on biodiversity. We regularly conduct environmental impact assessments at all our operational sites before starting our construction activities, considering both the benefits and drawbacks and of the pertaining socio-economic, cultural, and human health impacts.

OUR APPROACH

As part of our journey towards carbon neutrality we instituted Afforestation programs across India. We partnered with Sankalp taru Foundation, Nisarg Vikas Bahuuddeshiya Sevabhavi Sanstha and Enviro Creators Foundation for the implementation of tree plantation projects on both community lands and farmlands. Through our tree plantation project with farmers in Ri-Bhoi in Meghalaya, 100% of women beneficiaries were benefitted through distribution of saplings. Through these endeavors, we also hope to contribute towards climate change mitigation and revitalization of local ecosystems.



NUMBER OF TREES PLANTED BY ACROSS PROJECTS

REGION	FY 2022-23	FY 2021-22	FY 2020-21	FY 2019-20
IN GPL SITES				
NCR	115	66	28	4,247
Mumbai	646	665	0	0
Bengaluru (south)	4,794	0	1,856	21,364
Kolkata	0	0	31	8
Pune	555	557	3,166	1,124
Vikhroli	2,645	0	0	545
IN COMMUNITY THROUGH CSR PROGRAMS				
Pokhari	0	0	0	200,000
Nargol	0	120,000	0	0
Kalai	0	0	15,750	0
Uttarkashi	0	50,400	0	0
Akola	35,225	0	0	0
Ri-Bhoi	31,799	0	0	0
Ambejogai	325,390	0	0	0
Total	401,169	171,688	20,831	227,288



OUR IMPACT

TARGETS ACHIEVED FOR FY 2022-23

392,414

SAPLINGS PLANTED AS PART OF CSR PROJECTS

25

VILLAGES REACHED IN FY 22-23

333

FARMERS REACHED IN FY 22-23

24,000

TCO2E OF CARBON WILL BE SEQUESTERED FROM THESE PROJECTS

**We are carbon
positive for Scope
1 and 2 GHG
emissions.**



The total amount of carbon sequestered could cover 17,010 homes' electricity use for one year.

CARBON SEQUESTRATION (PER YEAR APPROXIMATELY, tCO₂e)



Assumptions: An Indian home consumes 2700 kWh electricity annually.

WATER

We are water positive

WATER RECHARGED
11,689.1
MILLION LITRES

WATER CONSUMED
267.75
MILLION LITRES

WASTE

We are committed to minimize waste to landfill

13,270
TONNES OF WASTE DIVERTED FROM LANDFILL

25,297.48
TONNES OF WASTE TO LANDFILL FROM OPERATIONS

WORKERS

We are committed to placing workers at the heart of our business

67,639

WORKERS BENEFITED THROUGH BUILDING & OTHER CONSTRUCTION WORKER (BOCW) REGISTRATION LINKED PROGRAMS

EMISSIONS

We are carbon neutral for scope 1 & 2 emissions

CARBON SEQUESTERED
61,707
tCO₂e

SCOPE 1+2 EMISSIONS
3,904.62
tCO₂e

ESG IMPACT

Awards and Ratings

At Godrej Properties, we continuously strive to improve our ESG practices, systems, and performance as we work towards our aspiration to be amongst the world’s leading responsible and sustainable real estate developers and are grateful for the recognition.



WINNER
Golden Peacock Awards
for Corporate Social Responsibility 2021 and Sustainability 2015



ESTRADE
Green Developer of the year
2020



MAHATMA AWARD
CSR Excellence
2020



WINNER
CSR Project of the Year for Real Estate Sector
7th Edition of Corporate Social Responsibility Summit and Awards 2023

ESG EXTERNAL RATINGS

GRESB



S&P GLOBAL DJSI



FTSE RUSSEL



CDP CLIMATE DISCLOSURE



WINNER
Social category for the Real Estate sector
KPMG India's first ESG Conclave and Awards 2023

WINNER
Environment category for the Real Estate sector
KPMG India's first ESG Conclave and Awards 2023



GOLD AWARD
Gender Equality
ICAI International Sustainability Reporting Awards 2021-22

RANKED 1ST

We have been ranked
1st in the following
categories

**Global sector
leader
Residential**

**Global listed
sector leader
Residential**

**Regional Sector
Leader Asia
Residential**

**Regional
Listed Sector
Leader Asia
Residential**



G R E S B

**Ranked Global Sector Leader
(Development) for Residential
Real Estate for the 3rd consecutive
year by the Global Real Estate
Sustainability Benchmark (GRESB)**

News and Noteworthy

Godrej Properties successfully divert over 10 thousand tons of waste from landfills in Odisha

New Delhi: Godrej Properties Ltd., one of India's leading real estate developers has successfully diverted 1,471 tons and 8,646 tons of landfill waste in Konark and Bhubaneswar (4 wards) respectively. Collaborating with the Government agencies and NGO Partner Feedback Foundation in the state, the Mumbai-based real estate developer intends to replicate the success story of Odisha in other states like Punjab (Batala), Uttar Pradesh (Agra) and Madhya Pradesh (Budhni) to further reduce the waste to landfills in cities. The process of diverting waste from landfills involves collection of segregated waste and its further processing at Material Recovery Facilities (MRF) and Municipal Composting Centres (MCC). Secondary segregation is done to further isolate the waste material. In case of organic waste, bacteria cultures are added to convert this into manure. In case of dry waste, recyclable material is separated and placed in 12 different bins and ultimately sold to recyclers. With a focus on educating the masses on sustainable waste management practices in Konark and Bhubaneswar, Godrej Properties through NGO partners Feedback Foundation organized Information, Education, and Communication (IEC) activities about waste segregation in local schools informing the citizens of tomorrow. These activities focused on creating ground level awareness about waste segregation and related process of segregation into four categories: dry, wet, domestic biomedical, and domestic hazardous.

<https://theecsriverse.com/articles/godrej-properties-diverts-10-000-tons-of-waste-from-landfills-in-odisha>

THEWEEK

Godrej Properties' Crop Residue Management initiative achieves zero stubble burning across ~2549 Hectares of farmland in Punjab

FTI | Updated: April 28, 2023 15:47 IST

Gurdaspur District of Punjab achieved the distinction of being the first village where no stubble was burned in FY 22-23

GURDASPUR, India, April 28, 2023 /PRNewswire/ -- Godrej Properties Ltd. (GPL) successfully achieved zero stubble burning across ~2549 hectares of farmland in North India with its pilot Crop Residue Management (CRM) project. The village of Cheema Kalan achieved the distinction of being the first village where no stubble was burned in FY 22-23.

The CRM project covered 15 villages in the rural Gurdaspur district of Punjab and touched 3956 farmer families. 1,25,954 quintals of stubble were collected, transported, and processed as a fuel in sugarcane factories for making Biomass pellets, animal fodder and mulch in soil. Additionally, this project sequestered approximately 5736 TCO2e in FY 22-23.

<https://www.theweek.in/wire-updates/business/2023/04/28/dcm30-godrej-properties-ltd..html>

Godrej Properties urges realtors to manage construction waste at their sites

GPL comes out with handbook to promote best practices in industry

August 28, 2023 08:42 pm | Updated 09:28 pm IST - MUMBAI


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GPL, which has come out with a handbook called 'Waste Matters' on better management of construction waste for India's real estate sector, has asked developers to set up systems and processes to manage construction waste at their sites. | Photo Credit: H VIBHU

At a time when unprecedented surge in construction and demolition waste is threatening ecological balance besides causing nightmare for civic bodies which are struggling to find solutions to handle such waste, Godrej Properties Ltd. (GPL), the real estate company of the Godrej Group, has called upon the real estate sector to adhere to sustainable waste management practices and manage construction waste effectively to mitigate its impact on the environment.

<https://www.thehindu.com/business/godrej-properties-urges-realtors-to-manage-construction-waste-at-their-sites/article67244756.ece>

An aerial photograph of a vast, lush green mangrove forest. The forest is composed of dense, low-lying vegetation with many small, rounded tree canopies. Interspersed among the trees are small, irregular pools of water, reflecting the sky. In the far distance, a range of low mountains or hills is visible under a sky filled with soft, white and grey clouds. The overall scene conveys a sense of natural beauty and environmental health.

A robust governance structure is essential for the successful integration of sustainability within the organization and requires committed leadership, direction, and strategic influence.

GPL SUSTAINABILITY TEAM

Anubhav Gupta

Namrata Mehra

Ayashkanta Rout

Komaljeet Kaur

