



Play City

THE CHILDREN'S SCRAPPY NEWS SERVICE
MUMBAI, INDIA'S MEGA CITY THAT'S READY TO PLAY

LETTERS

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Scrappy Post

NEXT CLEARANCE





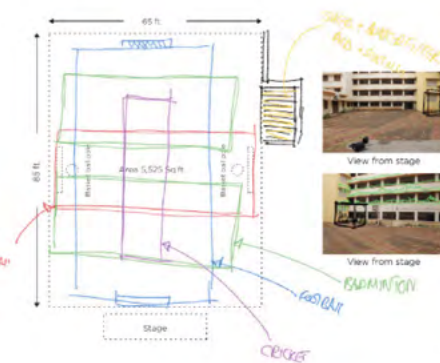
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The Children's Scrappy News Service is a mass-media, on air, online and on the ground large-scale at-school educational program, made in Mumbai, for a world of children.

Scrappy: to make something out of nothing to change everything.



Play City, Season II of The Children's Scrappy News Service is 26 episodes that take place in the city of Mumbai. Scrappy is a news-talk-game-show program that runs on national television, online through an APP/mobile/digital channel and importantly, on the ground in 1,200 BMC schools in four languages.



26 episodes, each 22 minutes, air on national television.



26 skills, steps for children in Grade 6-8 in 1,200 BMC schools are actioned at-school through scrapbooks of challenges made of repurposed materials. Children define their own problem-solving, design-thinking learning journey – they ask questions and find solutions.



100 places to play in BMC schools or next to them, are sustainably remade to be multi-format sports pitches where girls and boys play team sports together. Thousands of children who don't have access to sports yet, will be able to play football, cricket, volleyball in sustainably designed spaces, surrounded by vertical green gardens that are lush from rainwater harvesting, floodlights and schools powered by solar, with bamboo changing rooms and toilets for girls, bees, butterflies and children together play to learn and action a city-wide solution for the greatest challenge of our time.

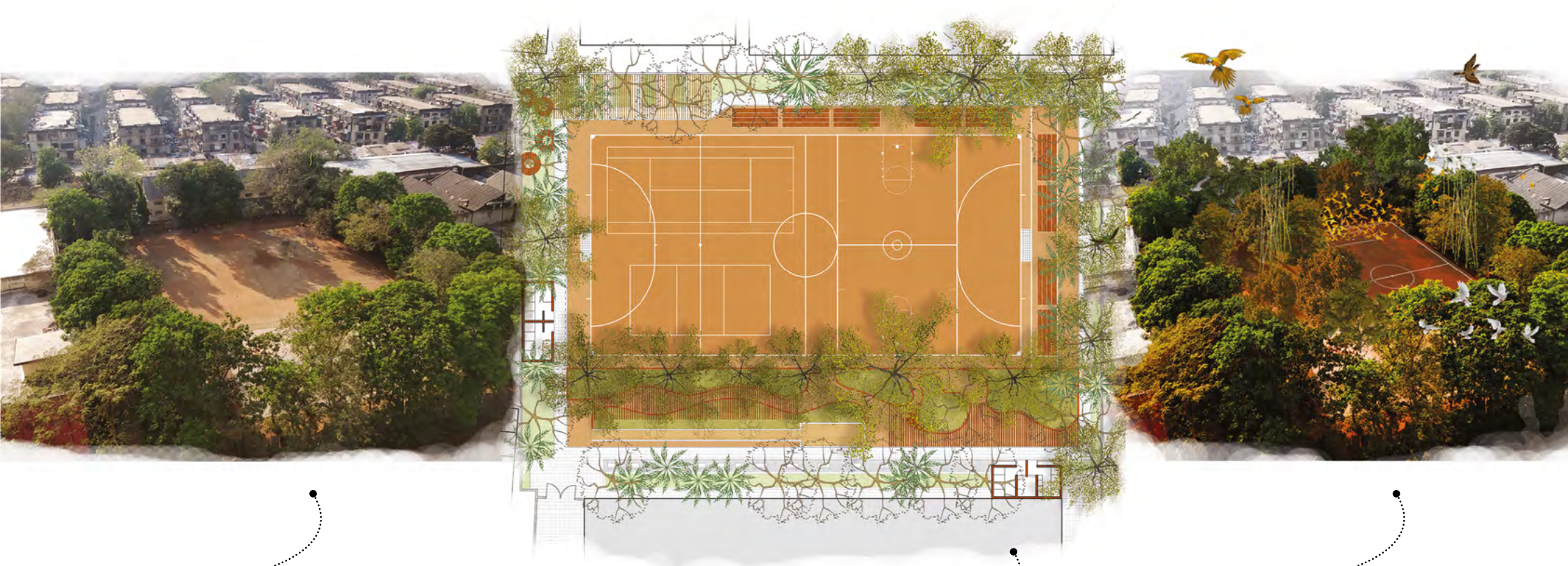


Climate Change.



PLAY CITY – ARE YOU READY TO PLAY?





Dr. Babasaheb Ambedkar BMC School, Worli

Scrappy Plan

Urban Rainforest Sports Pitch



Scrappy's theory of change is that if there's one city in India that can do this, it's Mumbai.

By the sea, with a long coast line, mass media and yearly floods, Mumbai is on the frontlines of Climate Change and because of that, with an MOU to deliver 21st Century Design-Thinking skills at school and funding in place to make the TV series, this is the city that can create spaces for children to design, innovate, learn and action their solutions for a sustainable city.

We, together with one million children and the city, want to make Mumbai a giant sustainable place to play for one million children to take on and reverse Climate Change, ward by ward, school by school, community by community and tell the story, share it widely, on national television





Play City is a partnership between Going to School x the BMC (Brihanmumbai Municipal Corporation)

Going to School is a creative not-for-profit education trust, established in India in 2003, that makes design-driven stories to equip children with the 21st Century Entrepreneurial skills they need to complete their education and transition from school to equitable work and/or enterprise of their choice. Going to School's largest program runs in Bihar in 1,000 schools reaching 500,000 young people every year.

www.goingtoschool.com

BMC. Going to School has a signed MOU with the BMC to implement The Children's Scrappy News Service in all 1,200 BMC schools in Grade 6-8 at school, for the next five years. This agreement includes sustainably remaking sports pitches for children to play team sports, learn skills and experiencing sustainability - clean energy, vertical gardens - and design their solutions for city-wide change.



PLAY CITY

The 26-part TV series is supported by the IKEA Foundation and is in the research and writing phase with the goal of going on air on Children's Day, November 14th 2021.





Play City Mobile/Digital: scrAPP

Scrappy's digital channel for children will stream the TV series and child-created content they've created to find solutions for Climate Change where they live. 26 weeks of outside challenges that are completed at school in teams using a scrapbook as a guide have 26 challenges on the APP and digital channel. Individual children can sign up and build teams to play across the city. BMC schools are GPS tagged and participate from offline to online completed challenges. Children can nominate their school to be a part of it and/or schools can sign up to play the game and pitch their own solutions actioning them where they are.

The Play City schools, skills challenge is open to all schools and children in the city with Going to School directly implementing and engaging children in 1,200 schools that are still largely offline.

When the challenge launches the channel updates daily with leaderboards for schools and wards for how they're doing.



PLAY CITY

Play City Schools: Scrapbook



Designed scrapbooks made of recycled, upcycled materials, brightly colored paper, leaves, colored pencils are all-in-one dynamic toolkits for kids to follow a design-thinking process to find solutions to Climate Change where they live, map and design sustainable places to play and action their 21st Century Skills while they play and learn.





Play City's Places to Play

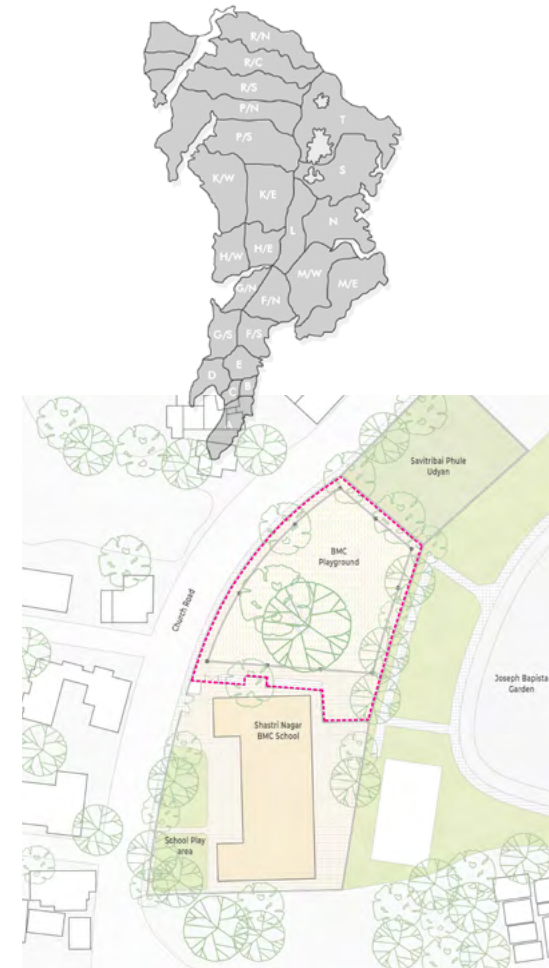
With access to 100 sports pitches in BMC schools or next door, Going to School is working with sustainability architects to transform the city's sports pitches into sustainable places for children to play team sports – sustainably.

Powered by clean energy (solar), installing rainwater harvesting, vertical gardens, vertical farms, composting toilets, bamboo changing rooms and toilets for girls, we want to create green places for children to play across the city.

We're excited.

There are so many hidden places that can be transformed sustainably.

Turn to the end of this presentation to see two BMC school maps for new sustainable sports pitches.



Why you're reading this

We have access to all 1,200 BMC schools in the city.

Our goal is to re-design and transform 100 places to play sustainably, ward by ward and school by school by the end of 2021.

Not all schools have the same amount of space, some do have space for football and cricket, while others just volleyball or half-cricket.

The cost of transforming a place to play varies from size to the sports being designed for and how sustainable you want to be on the scale of 1 – 100. We'd love to power schools and play spaces through solar, make sure there are vertical gardens to keep it cool and ensure kids who play in these new spaces are also part of the Play City, Scrappy Skills-at-School 26-step challenge.

This is a perfect project for CSR support, either in the ward you are interested in or are based, or because it's an educational skills-at-school project that has sanction from the BMC.

If you tell us the area you're interested in, we'll show you the school space transformation potential or if you'd like to see what we've already got planned, turn the page.





Shastri Nagar BMC School, Kalina (Santacruz)
Documentation and Architecture Design for Multi-Court Sports Pitch development
Play City : Children's Scrappy News Service



School Data :

No. of Students	~1500
School Timings	7AM - 12:30PM (Class 5 - Class 10) 1PM - 6PM (Pre-primary - Class 4)
Sports Played	Cricket, Football, Hockey
Changing Rooms	Required

** Data as per interview with English Medium School Principal*





Section through Playground



Boundary wall to be raised up to restrict access to sports ground from neighboring garden by proposing a vertical garden along the edge.

Sports ground lights in working condition. To be retained.

Boundary wall acts as a dead wall. Can be converted into an interactive wall with vertical gardens

Site Plan



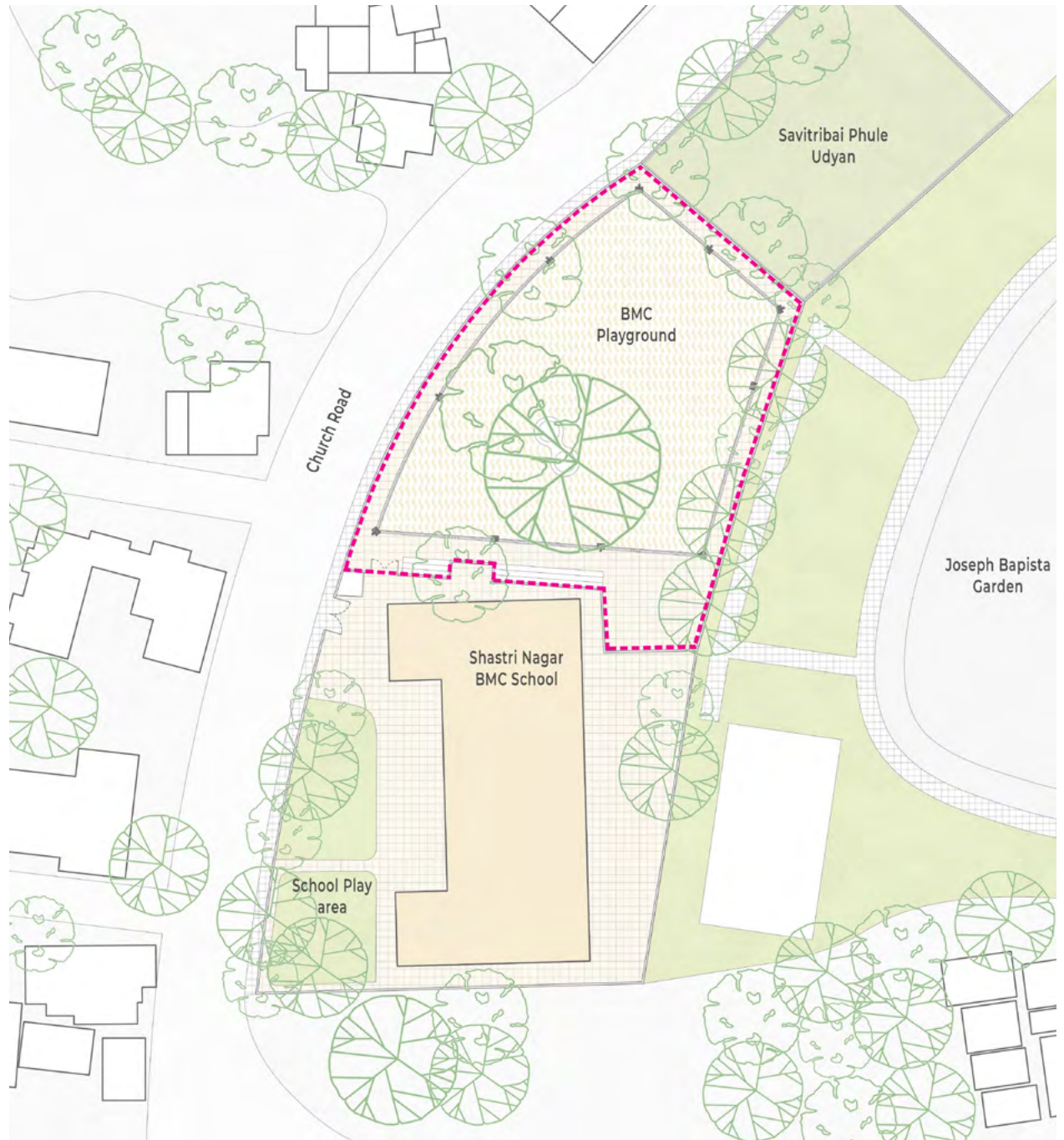
Legend



- Trees



- Proposed Site



Existing Layout and Site Constraints

- Paving not in good condition. Needs to be redesigned with a better shock absorbant material.

Existing drainage line along the periphery of the sports ground not in working condition.

- Existing central tree to be retained. Seating around the tree can be redesigned.

- Need to be removed and replaced with portable goal posts as per design.

- Seating can be retained with refurbishment as per proposal concept.

Envisioning Sports Pitch as an Urban Beach...



Shastri Nagar School, Kalina (Santacruz)



Vision for Urban Beach Sports Pitch

Proposed Development and Site Strategies



Vertical Gardens -- Upcycled Material Seating Areas --
Refurbished Walking Track -- Sustainable Drainage



Sports Pitches as per Standards (Compact Football -- Kabbaddi
-- VolleyBall) -- Seating Areas



Changing Rooms and Toilets made from Local Materials (Bam-
boo, Bricks and Timber)



Solar Panels on Terrace as per Electricity Requirements



Proposed Multi -court Sports Pitch Plan Legend

1. Main School Entry
2. BMC School Building
3. Sport Ground Entry
4. Entrance Trellis (Bamboo with creepers)
5. Kabbaddi Court (8M X 11M)
6. Camper Van Jungle Gym with Amphitheatre (Made with Bamboo and Timber)
7. Multipurpose Court (15M x 30M)
(Football and Cricket Mini-Pitch)
8. Volleyball Court (8m x 16M)
9. Dugouts for Football Pitch
10. Changing Rooms and Toilets
11. Organic Farming and Composting Beds
12. Hopscotch Play area
13. Life-size Chess Play Area
14. Seating with Vertical Gardens
15. Peripheral Walking / Running track

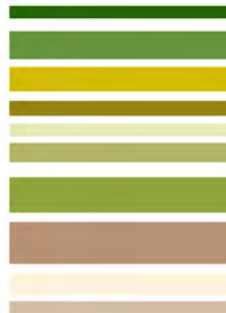
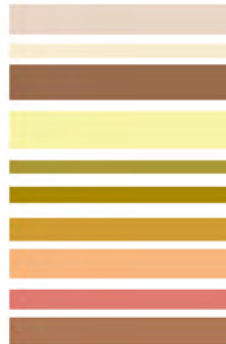
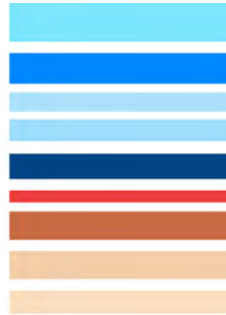


View showing VW Camper Play Area and Sports Pitch

Material Palette - Sustainable Materials Used

Coastal

The material palette is inspired from the coasts and seashores. The green color of the palm trees along with the bright colors and patterns of various elements on the shore are used to create a connect with the coastal areas.



Green Wall
Vertical green wall and creepers help in cooling the surrounding air as well as creating a microclimate. It helps in enhancing biodiversity in the flora and fauna.



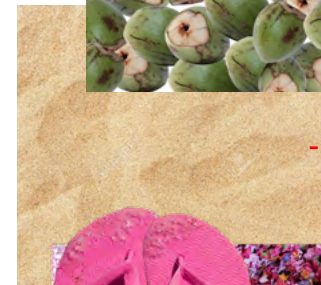
Striped Fabrics
Striped fabrics of beach chairs and towels to be used for creating seating spaces such as hammocks and shading devices.



Bamboo
Bamboo is an extensive material used in tropical climates. It is easily available and cheap. It is a versatile, easy and efficient construction material.



Waste Coconut Shells
Waste coconuts from the beach can be used to create composting beds as well as for planting new saplings in the school grounds.



Sandy Surface
Sandy play areas within the sports ground can be used for volleyball pitches as well as for other play requirements.



Recycled Rubber Pavers
Recycled rubber from soles and flip-flops can be used as paving material for walking tracks since it offers good shock absorption. It requires very low maintenance and doesn't heat up when in shade.



Recycled Rubber Paver Blocks
(Made from waste rubber from tyres, long life span with no maintenance required and ability to withstand heat and rain)

Recycled Rubber Floor Mat
(Made from waste flip flops)

Beach Sand
(Sand sourced from nearby beach for volleyball pitch)

Vertical Garden with waste PVC Pipes
(Locally sourced bamboo for vertical garden with waste PVC pipe for vegetation / growing food. PVC pipes can be painted to create a colorful wall effect)

Timber and Bamboo
(Locally sourced bamboo and timber for a lightweight pavillion and tree house)

CSEB (Compressed Stabilized Earth Bricks) or Fly Ash bricks for structure
(Based on availability and cost)

Bamboo and Timber Lightweight roof frame with terracotta clay tiling

Solar Panels on the roof to suffice electricity requirements of the changing room.

References



Mud Football / Cricket Pitch



Beach Volleyball



Repurposing an Old Beach Camper Van



Vertical Green Wall



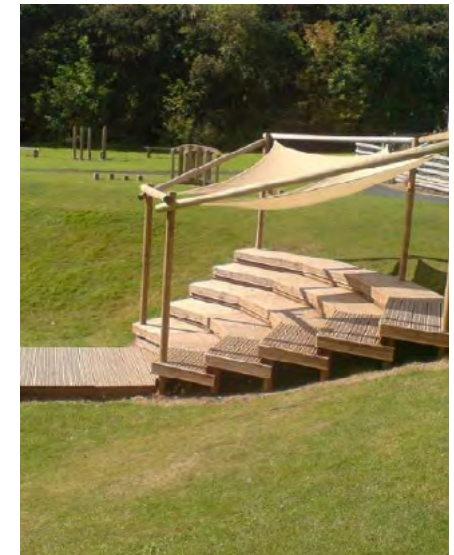
Upcycled PVC Pipes for Farming



Trellis Made of Upcycled Beach Umbrellas



Beach Wind Wheels as an Inspiration for Wind Turbines



Amphitheatre Around Tree for Seating and Outdoor Lectures



Dr. Babasaheb Ambedkar BMC School, Worli
Documentation and Architecture Design for Multi-Court Sports Pitch Development
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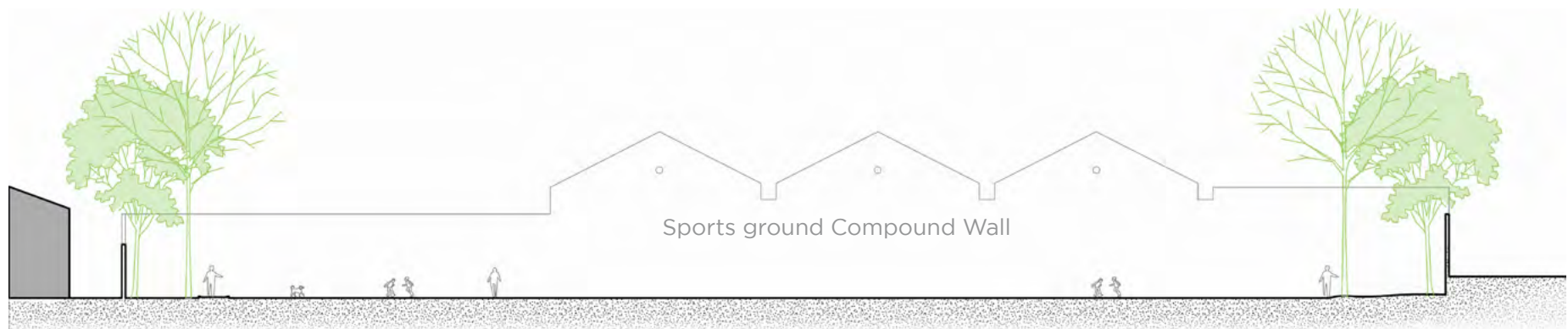


School Data :

No. Of Students	~1500
School Timings	7AM - 01:10PM (Class 5 - Class 10) 1PM - 06:10PM (Pre-primary - Class 4)
Sports Played	Basketball, Kabbaddi, Football, Volleyball, Cricket, Mallakhamb (Gymnastics)
Sports Requirement	Javelin Throw, Long Jump track, Running Track, Football Pitch
Changing Rooms	Required

** Data as per Interview with English Medium
School Principal and Physical Education Teacher*





Section through Sports ground

Site Plan





Walking Track
Ends abruptly and has an uneven surface making it unfavorable for running.

Outdoor Gym
Equipments are not used frequently and can be shifted to another location in the school.

Concrete Basketball Court
Pitch to be removed since it creates hindrance for playing other sports activities on the ground.

Drainage
No drainage system on site. Needs to be designed.

Play equipments
Not in working condition and can be shifted to another location in the school.

Lighting
No lighting for playground is provided and hence needs to be designed.

Sports ground Plan

Existing Layout and Site Constraints

Envisioning Sports Pitch as an Urban Rainforest..



Dr. Babasaheb Ambedkar BMC School, Worli



Vision for Urban Rainforest Sports Pitch

Proposed Development and Site Strategies



Vertical Gardens -- Refurbished Walking track -- Sports Pitches as per Standards (Football, Volleyball)



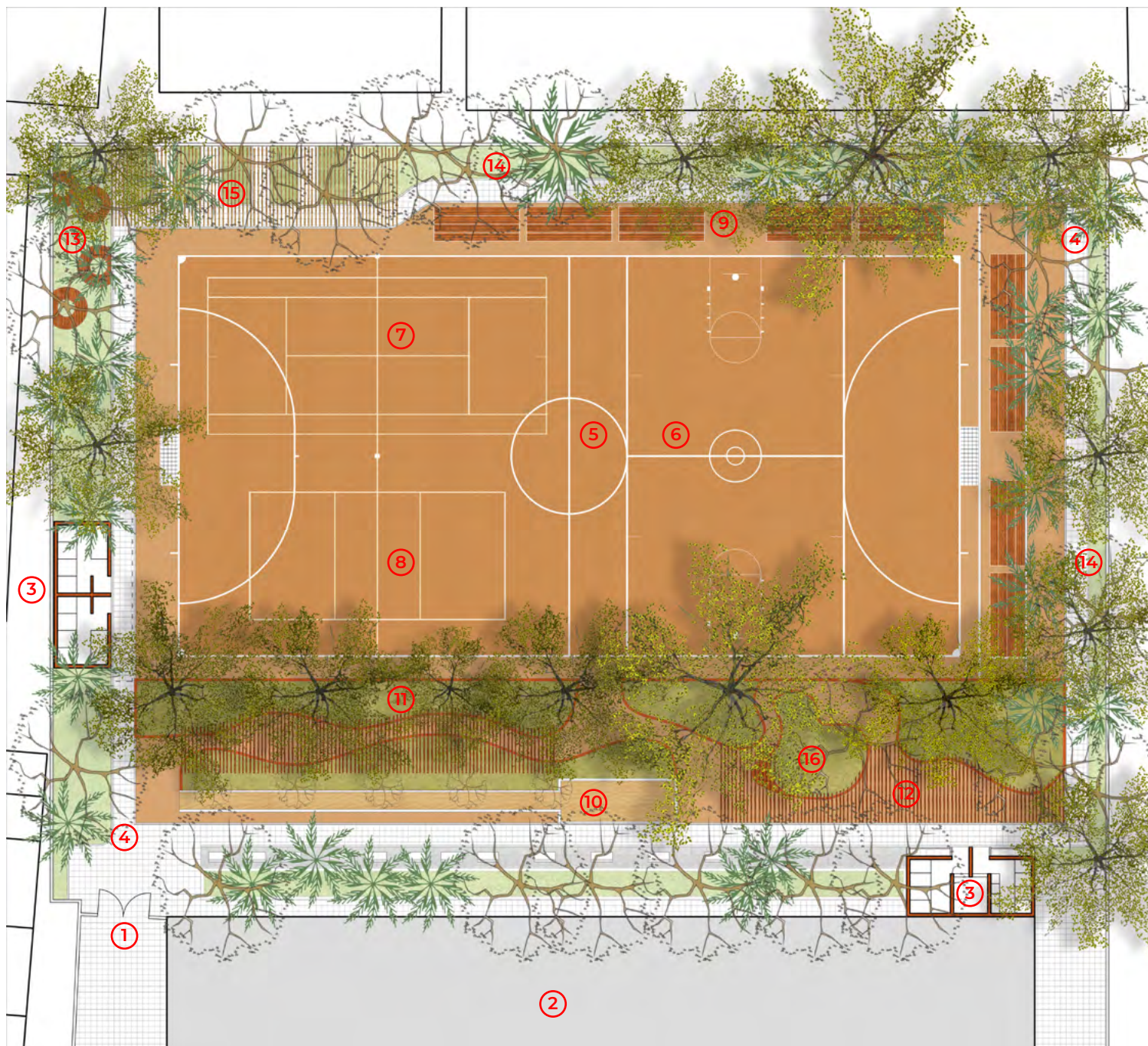
Bleachers to be Planned Along the Sports Pitches in Shaded Areas Along the Periphery



Changing Rooms and Toilets made from Local Materials (Bamboo, Bricks and Timber)



Solar Panels on Terrace as per Electricity Requirements Along with using Terraces for Rainwater Harvesting.



Proposed Sports ground Plan

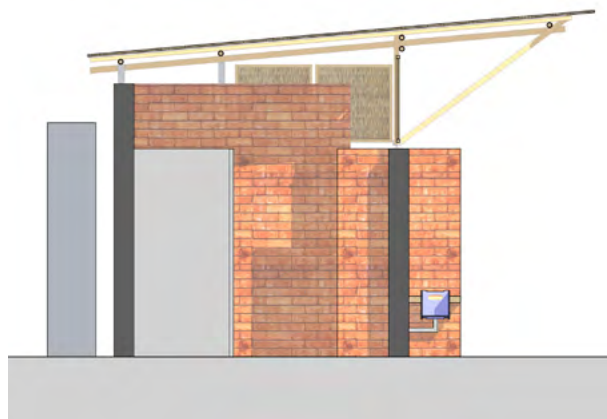
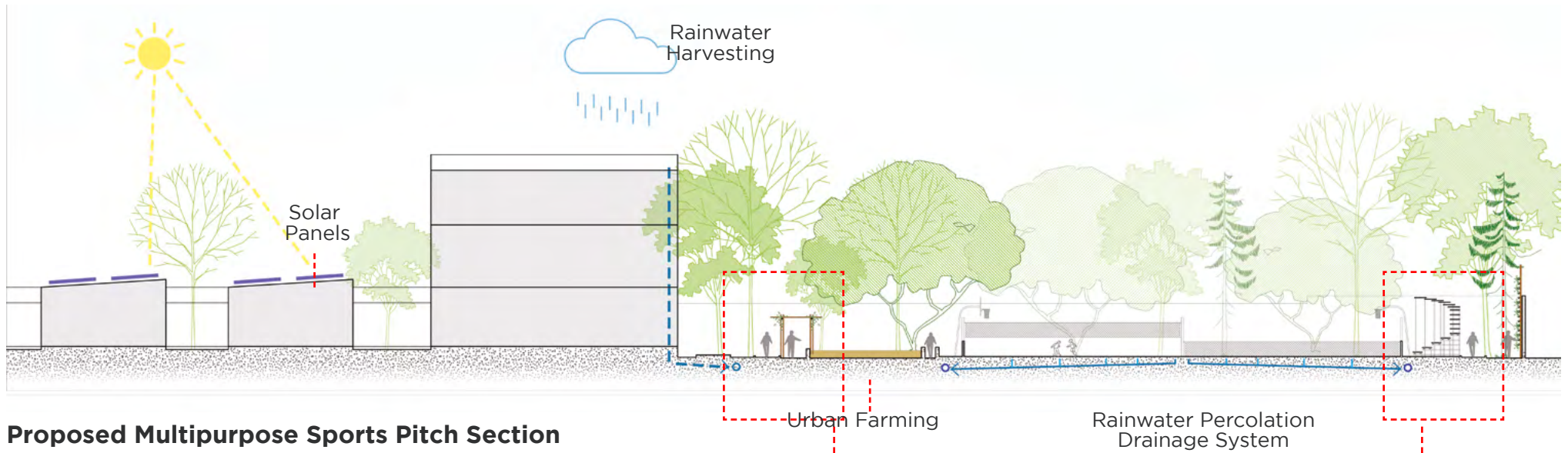
Legend

- 1. Sportsground Entry
- 2. BMC School
- 3. Changing Rooms and Toilets
- 4. Running Track

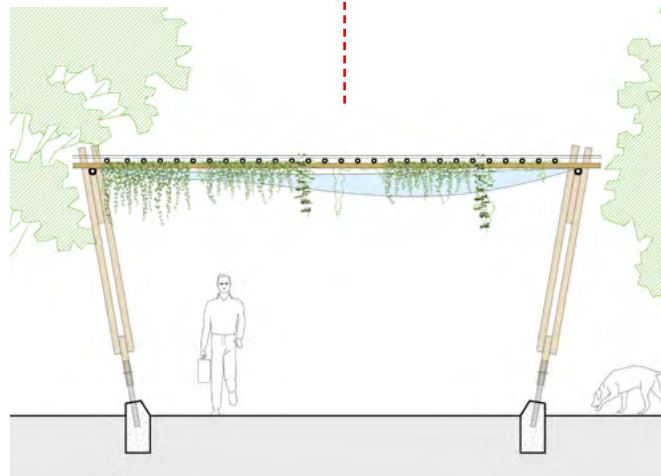
Multipurpose Court

- 5. Football Pitch 55m x 28m
- 6. Basketball Pitch 15m x 28m
- 7. Tennis Court 11m x 24m
- 8. Volleyball Court 9m x 18m

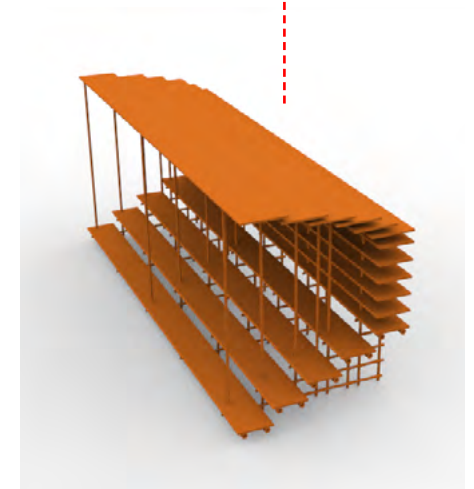
- 9. Bleachers
- 10. Long Jump Strip
- 11. Sundarbans Learning Centre - Organic Farming & Composting Beds
- 12. Shaded Trellis with Seating
- 13. Amazon Learning Centre
- 14. Vertical Gardens
- 15. Congo Flower Garden
- 16. Bamboo Garden



Changing Rooms and Toilets. The structure is naturally ventilated and the use of materials like bamboo and cane reduces the temperature within the structure.



Bamboo trellis with creepers to create shaded spaces for walking and seating.

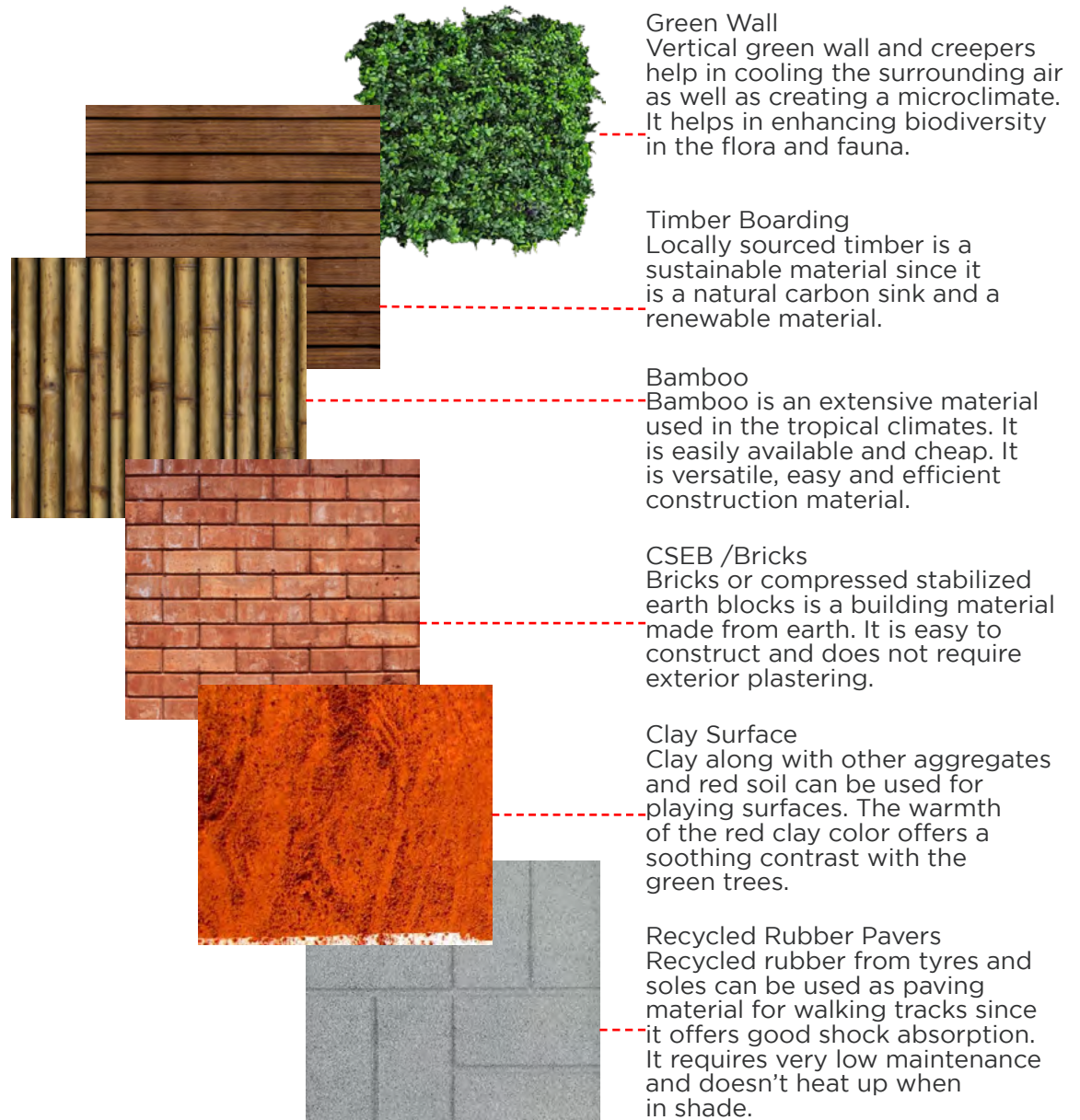
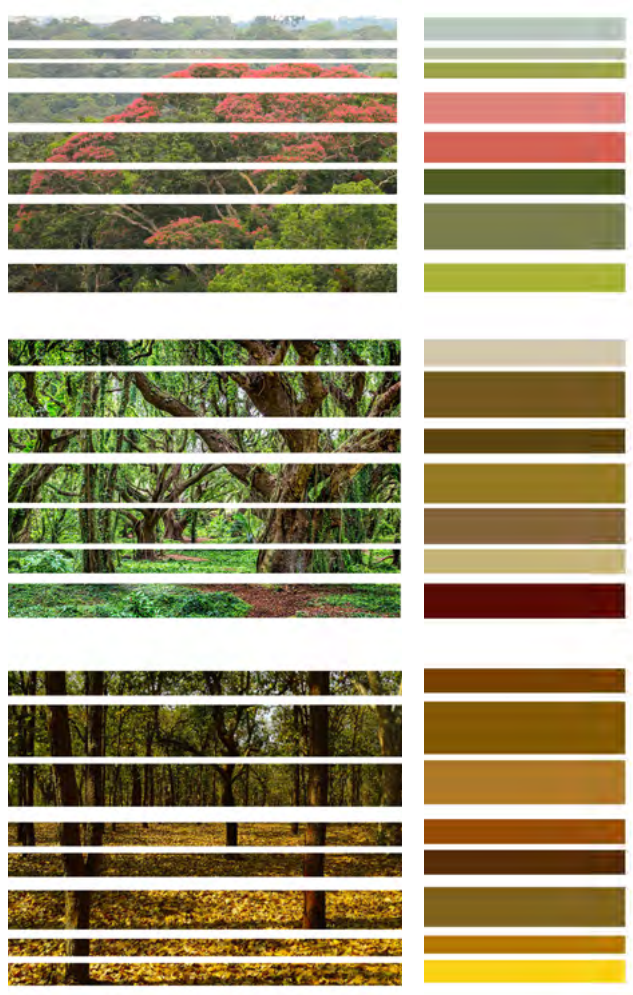


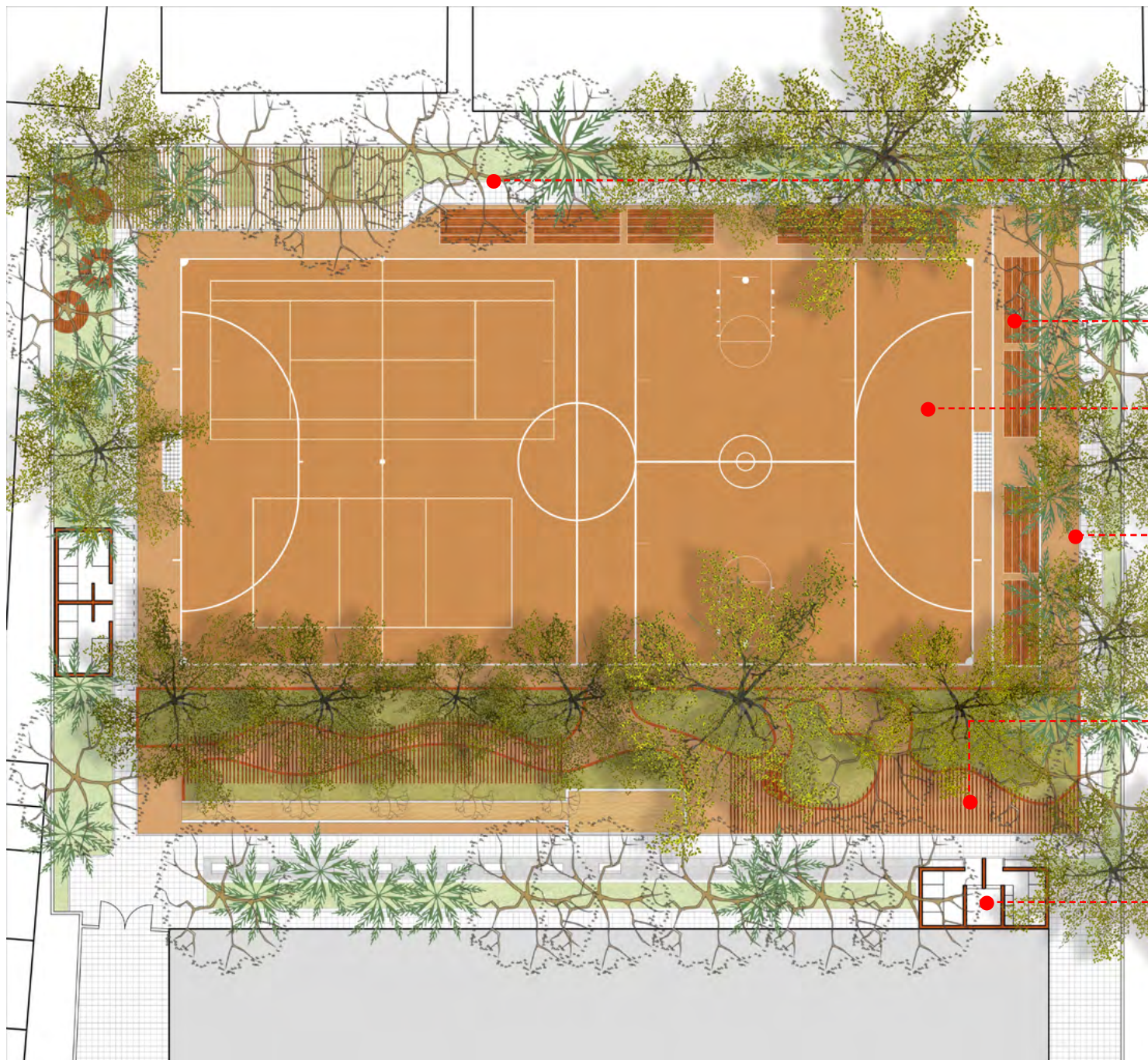
Bleachers along the sports pitches in shaded areas along the periphery.

Material Palette - Sustainable Materials Used

Earthy and Tropical

The material palette is inspired from the rainforests of India and the world. The green color of the trees and vegetation contrasted with the earthen browns and reds creates a comfortable and serene environment for school children.





Vertical Garden with Waste PVC Pipes
(Locally sourced bamboo for vertical garden with waste PVC pipe for vegetation / growing food. PVC pipes can be painted to create a colorful wall effect)

Timber Bleachers
Bleachers made from locally sourced timber and bamboo

Clay Court
Clay court made from local red soil with inlaid drainage system

Recycled Rubber Paver Blocks Walking Track
(Made from waste rubber from tyres, long life span with no maintenance required and ability to withstand heat and rain)

Bamboo Trellis with Creepers
(Locally sourced bamboo trellis providing a shaded space for seating)

CSEB (Compressed Stabilized Earth Bricks) or Fly Ash bricks for structure
(Based on availability and cost)
Bamboo and Timber Lightweight roof frame with terracotta clay tiling

Solar Panels on the roof to suffice electricity requirements of the changing room.



View Showing Changing Rooms /Toilet and Vertical Gardens

The structure is made out of CSEB bricks, Bamboo and Timber. Waste plastic crates are used for outdoor wash basins promoting the principle of upcycling.

References



Multipurpose Mini Pitch with Fencing in Timber



Soil / Clay Sports ground



Multipurpose Sports Court (interlocking) (Soil)



Vertical Green Wall



Upcycled PVC Pipes
for Farming



Bamboo Trellis with
Creepers



Bleachers in Bamboo and Timber with Solar Panels on the Roof

