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Message from Founder

We provide service with a human touch.

We have earned the trust and respect of government as well as private customers for one simple reason—we have great people. They are experts in their fields. They bring a strong service ethos to everything they do. They take pride and ownership in the jobs they do. We bring passion, pride and experience together.

We have a client first philosophy.

We have only one objective: to ensure our clients mission objectives are achieved with the highest level of capability and assurance, and at the lowest possible cost. Our methodology ensures that vital projects are stood up on time and on schedule. Sahil Precast's clients come to us with confidence that we have the expertise to take service delivery to the next level of performance.



Sahil Sapra

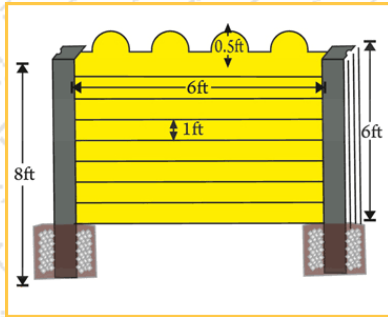
Our Vision

To embrace cutting edge technologies, best practices and streamlined processes that set us apart from the competition.

Our Mission

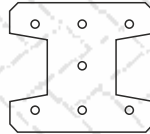
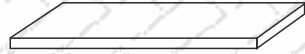
Our mission is to fence lands and develop communities where values, location and lifestyle come together.

RCC Precast Prestressed Compound Wall Section



PRESTRESSED PANEL

Length	Height	Thickness
7 Feet (2100 mm)	1 Feet (300 mm)	2 Inches (50 mm)



PRE STRESSED COLUMN

- Column are 6x6 inches (150 x 150 mm)
- We use 3 mm PC Steel Wires (Usha Martin/Tata Tisco) with stressing system.

Sr No	Properties	Traditional boundary wall	Pre Stress Pre Cast Boundary Wall
1	Construction Time	100 meter wall requires at least 15 Days to construct and another 15 days for water curing.	100 meter wall can be constructed in 4-5 Days
2	Strength	The weakest part of this wall is its 150mm thick bricks masonry which can be easily broken by ordinary hand tools for theft.	PSPC panels consist of high tensile wire at every 75 mm distance and can cut only by machines.
3	Durability	Less as it depends on the quality of plaster and that depends upon several factors like plaster, its thickness, quality of curing workmanship etc.	100 Years of Life. Very High as PSPC panels are made of less void dense high grade concrete and has smooth concrete surface.
4	Weight	Approximate 600kg/Rmt	Approximate 205kg/Rmt
5	Repair Ability	In case of over turning failure a large section of BW may damage and require almost new construction as repair and require several weeks time to repair	In case of failure only few columns may get damaged and required to be replaced almost all the panels can be reused in repair negligible time
6	Paint	Painting is must as plastered surface is susceptible to weather decay	Painting is Optional
7	Re- Use	Can not be reused as entire construction is of permanent type	Almost 100 % panels and 60% columns can be reused
8	Weather Effect	As plaster surface adsorbs moisture it results in cracks and peels off. It requires periodically re-plaster of boundary wall.	There is almost NIL moisture absorption as panel surface are made of dense concrete and requires no maintenance.
9	Cleaning	Moisture absorbed in plastered surface adsorbs therefore dust, fungus, algae, plants etc. require periodically cleaning and repainting.	No Special cleaning required

Industrial



Residential



Farmhouse



Warehouse



Labour Quarters



High Security Walls



Barbed Wire Wall



Compound Wall



IN-HOUSE PREFABRICATED RCC BW DIVISION

Pre Stress Pre Cast boundary wall is such a technology which fulfills the modern requirement. It is strong, more durable, lean, time saving & economical than traditional boundary wall.

PSCP BW consists of pre stress poles and pre stress panels. These poles and panels are made of high grade concrete (M-30) and high tensile carbonized steel wire using pre stress technology in a manual plant. The poles and panels are then cured till 15 days by our controlled manner.

After curing the poles and panels, they can be transported to working site, loading and unloading can be done manually as the weight of each panel is average 75 kgs.

QUALITY CONTROL

At Sahil Precast , for each project we have a fully equipped laboratory at site under a senior Quality Control Engineer. Regular inspections and Quality Audits are carried out both at sites and in Head Office for Quality Assurance. We have been able to achieve construction quality of the highest order in our projects and our company's growth bears testimony to our quality standards and our clients' satisfaction levels.

TECHNICAL DETAIL	
Pole Dimensions	150mm x 150mm, Length 4 Feet to 13 Feet Groove Width 60mm, Depth 40mm
Pole Weight	Per feet approx 13 Kg
Pole Reinforcement	3mm Dia HIGH TENSILE CARBONISED STEEL Wires 7 nos.
Panel Dimensions	1 Feet Wide, 50mm Thick 7 Feet Length
Panel Weight	77 kg Average
Panel Reinforcement	3mm Dia HIGH TENSILE CARBONISED STEEL Wires 4 nos.
Grade of Concrete	M-30
Wires Tension	In Pole & Panels above 14000 kgs

Hollow Concrete Blocks



Aspect	Details
Dimensions	Sizes 8 inches x 8 inches x 16 inches Sizes 6 inches x 8 inches x 16 inches Sizes 4 inches x 8 inches x 16 inches
Composition	Main materials : Portland cement, aggregates (sand, gravel, crushed stone), water Model mixture to create block shape
Cavity Size and Arrangement	Hollow blocks have varying sizes and configurations of voids to reduce weight while maintaining structural integrity.
Types of Hollow Blocks	Classified by density, Strength and purpose : lightweight, medium-weight blocks with specific properties and applications.
Compressive Strength	Measured in psi (pounds per square inch) or Mpa (megapascals) Strength varies based on composition and manufacturing process.
Density	Lightweight blocks have a lower density, suitable for insulation. Heavyweight blocks are denser and used for load-bearing applications.
Fire Resistance	Hollow blocks are fire-resistant, with fire ratings based on type and thickness.
Sound Insulation	Sound insulation properties very based on block design, including cavity arrangement and thickness.
Thermal Insulation	Lightweight blocks provide some thermal insulation, with the option to enhance performance by adding additional materials.
Manufacturing Standards	Manufactured following industry standards and codes, which may vary by region and country.
Quality Control	Manufacturers implement quality control measures, including strength and density testing, to ensure blocks meet specified standards.
Installation	Proper installation techniques, including mortar selection and joint spacing, ensure structural stability and integrity.

Concrete Brick



Concrete masonry is one of the most versatile building products available because of the wide variety of appearances that can be achieved using concrete masonry units. Concrete masonry units are manufactured in different sizes, shapes, colors, and textures to achieve a number of finishes and functions. In addition, because of its modular nature, different concrete masonry units can be combined within the same wall to achieve variations in texture, pattern, and color.

Concrete Chairs



Interlock Tiles



S. No	Grade Designation Of Paver Blocks	Specified Compressive Strength of PaverBlocks At 28 Days N/mm2	Traffic Category	Recommended Minimum PaverBlock Thickness mm	Traffic Examples Of application
1	2	3	4	5	6
I	M-30	30	Non-Traffic	50	Building premises, monument premises, landscapes, public gardens/parks, domestic drives, paths and patios, embankment slopes, sand stabilization area, etc
II	M-35	35	Light-traffic	60	Pedestrian plazas, shopping complexes ramps, car parks, office driveways, housing colonies, office complexes, rural roads with low volume traffic, farm houses, beach sites, tourist resorts local authority footways, residential roads, etc
III	M-40	40	Medium-traffic	80	City streets, small and medium markets roads, low volume roads, utility cuts on arterial roads, etc
IV	M-50	50	Heavy traffic	100	Bus terminals, industrial complexes, mandi houses, roads on expansive soils, factory floor, services stations, industrial pavements, etc
V	M-55	55	Very heavy-traffic	120	Container terminals, ports, docks yards, mine access roads, bulk cargo handling areas, airport pavements, etc