

CONSTRUCTION COMPANY.

Overview

Prakash Asphalting's & Toll Highways (India) Limited is a leading construction company that boasts of an incredible track record within the transportation and infrastructural sector in Central India. Not only is PATH considered to be one of the most reputable, reliable, and respected construction companies/contractors in India, it also ranks on top of any list for efficiency, effectiveness, and unsurpassed quality projects..

It was founded in July, 1996 as a Limited Liability Company by Late **Mr. Puneet Agrawal, Mr. Nitin Agrawal, and Mrs. Santosh Agrawal**. With a life of 27 years, PATH has risen to become one of the most trusted and reliable construction companies. The company mainly focuses on the construction of roads and bridges.

We are actively involved in all verticals and models within the construction space in India whether it's the traditional EPC-based contracts or the modern model of PPP (Public Private Partnership) viz. BOT, DBFOT, OMT, Annuity, and now HAM.

PATH's diverse skillset encompasses the design, planning, development, construction, IT, operation, and maintenance of its infrastructure projects. PATH is a company that believes in approaching each of its projects with the same level of passion, integrity, accountability, and quality.

Today, PATH's success is attributed to the ability to provide an unmatched combination of skills, experience, quality assurance, timely deliverance, and customer satisfaction on each and every one of our projects.

27 YEARS+

6000 EMPLOYERS+

16 STATES+

70 LOCATIONS +

BOT

EPC

HAM

TMC

TOLL

TMT

OMT

MMLP

Company Project :

Path India Ltd is a Construction Company involved in Multiple Infrastructure projects, including Tollcollection , Highways, Crush Barriers , MMLP (Multi-Model-Logistics Parks), GFRP rebars , Bridge side wall Manufacturing , System Intergration , Wayside Amenities and Thermoplastic road marking components.

Project Images:

Projects



Toll Collection



System Intergration



Highway



Wayside Amenities



MMLP
houses, apartments



Crush barriers
MANUFACTURING



Gfrp Rebars
MANUFACTURING



Bridge Wall
MANUFACTURING

VERTICALS:

> EPC MODELS

>PPP/BOT/HAM

- >OMT SERVICES
- >TOLL COLLECTION
- >WAYSIDE AMENITIES
- >MMLP
- >IT SOLUTIONS
- >CRUSH BARRIERS
- >THERMOPLASTIC ROAD MARKING COMPONENTS
- > FLYOVER SIDE WALL MANUFACTURING

- **EPC MODELS:**

Engineering, Procurement & Construction is the oldest and simplest model through which projects are floated by government agencies/ authorities. EPC Contracts simply states to do particular work (generally construction & maintenance) following specific standards, at the quoted rates. Time is always an important factor and meticulous schedules and milestones are made to check the progress of construction work.

Key points for success in EPC

- Meticulous project planning with tightly controlled cost and schedule of the projects.
- Efficient execution and monitoring through our ERP Project Management module for on time completion.
- Material and labor rate contracts for mitigation of cost escalation and time escalation risks.
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- **PPP/BOT/HAM:**

National Highway Development Program and other governmental agencies are following the PPP (Public Private Partnership) model to attract private investment, improve efficiencies and reducing costs. The PPP model works on DBFOT (Design, Built, Finance, Operate & Transfer) / HAM (Hybrid Annuity Model) / TOT (Toll Operate Transfer) models.

It enables cost efficiencies for government to reduce upfront capital expenditure and provides the private sector with a great opportunity to add value by innovating and optimizing execution and operations.

We are one of the very first companies to work with several organizations on BOT / OMT model and have completed the concession period of 4 projects successfully.

- **Design** – design of the project, including design of the infrastructure and model
- **Build** – construction or renovation of facilities included in the project
- **Finance** – financing or co-financing of the project
- **Operate** – supply of applicable equipment, IT and management/delivery of services
- **Transfer** – delivery and management of specified support services
- **Maintain** – maintenance of hard infrastructure (facilities as well as equipment as applicable)

- **OMT SERVICES:**

The OMT model is similar to the BOT model except that OMT does not require the concessionaire to construct the highway, which is the case in the BOT model. This is expected to lead to better maintenance and hence smoother and more efficient flow of traffic on national highways.

Earlier different agencies were appointed on annual basis, for maintenance and toll collection, through a tendering process. Overall it used to be a time consuming exercise and there was no assurance regarding the quality of the maintenance of the highways. Unlike this, in an OMT model, the concessionaire takes charge of the maintenance for a fixed concession period which ranges from four to nine years. This includes undertaking periodic as well as annual maintenance works, traffic incident management and ensuring smooth flow of traffic. For revenue generation the concessionaire is given rights to collect toll fees from road users.

We are one of the largest OMT concessionaires in NHAI OMT project having 7 OMT projects, maintaining close to 4000 Lane kms of highway under the OMT scheme across the country, and have successfully completed and handed over 4 OMT packages to NHAI.

• **TOLL COLLECTION:**

Toll collection refers to the collection of toll fees from vehicles crossing the toll plazas and using the whole or part of the project highway.

PATH is probably the largest Toll collection operator in India, having footprint across 18 states and vast experience of executing major tolling projects such as Eastern Peripheral Expressway (EPE), Western Peripheral Expressway (KMP Expressway), Delhi Vadodara Expressway (DVE).

We have developed our own processes and Toll Collection and Management system, including Data Analytics and Revenue Auditing system for efficient toll collection.

Our major clients include the National Highway Authority of India (NHAI), Haryana State Industrial & Infrastructure Development Corporation (HSIIDC) and Public Works Departments (PWDs) of various states.

• **WAYSIDE AMENITIES:**

With a vision to be India's largest and most preferred network of Wayside Amenities, PATH (India) Ltd, operating under the Brand name of "PATH RECHARGE" is committed to transforming highway transit experience for Indian travelers with an integrated offering of best-in-class food plazas, hygienic restrooms, fuel stations and convenience stores for its consumers.

The amenities include numerous facilities for passengers such as Fuel Station, Electric Charging Facilities, Food Court, Retail Shops, Bank ATM, Children Play Area, First Aid, Childcare room, Hygenic Toilets with shower facility, Vehicle repair facility, Dormitory, Village Haat for promotion of local handicrafts etc.

These wayside amenities will not only go a long way in making highway travel more convenient for commuters but will also provide adequate facilities for rest and refreshment to Highway users.

We are having more than 24 Wayside Amenities in various stages of construction / operation.

• MMLP:

MMLP is defined as a freight-handling facility with a minimum area of 100 acres, with various modes of transport access, mechanized warehouses, specialized storage solutions such as cold storage, facilities for mechanized material handling, inter-modal transfer container terminals, bulk and break-bulk cargo terminals.

Logistics parks will also provide value-added services such as customs clearance with bonded storage yards, quarantine zones, testing facilities, and warehousing management services. Provisions will also be made for late-stage manufacturing activities such as kitting and final assembly, grading, sorting, labeling and packaging activities, re-working, and returns management.

PATH has recently signed agreement for India's largest MMLP project on outskirts of Bengaluru in Karnataka State, with all the facilities mentioned in agreement.

• IT SOLUTIONS:

Innovation – New Toll Plaza Design for ETC

Armed with the insight of 95% of revenue coming from ETC transactions, our Director, Mr. Nipun Agrawal came up with novel idea and designed the new toll plaza with diagonally stacked lanes without booths. Only 2 extra wide lanes are kept with booths to handle cash transactions. The new design enables cost savings of about INR 20 Crore for a 10 lane toll plaza, in Land acquisition, PQC and Building Construction.

This new plaza design was proposed to Hon'ble Minister of Road Transport and Highways, Sh. Nitin Gadkari. He liked the design asked us to make a presentation with detailed design and drawings to NHAI, which in turn was approved by the Authorities and implemented through a policy circular, across India for all new toll plaza constructed after 24 May 2021. This achievement is a testament to our capabilities and commitment towards innovation.

Mobile Toll App

Currently we are working on porting our tolling application on the android platform which will help us reduce the hardware footprint on the toll plaza. This system will greatly reduce the required hardware, installation time, and maintenance efforts apart from considerable cost savings.

The android application will directly interact with a customized middleware controller to control the devices like Barriers, Cameras, Traffic Light, and RFID readers, etc. It will allow to operate multiple lanes with a single android terminal and will allow to stack up multiple transactions with queue management.

ETC Recon and Dispute Management System

With increasing ETC revenues, there is a corresponding increase in ETC related disputes and reconciliation of the settlement of ETC revenue. All banks are providing data in different formats and disputes can be stretched as long as 180 days after the transaction, which makes tracking and reconciliation very difficult. This needs a dedicated team and lot of manual work.

Currently we are developing a new module in our Toll Management System and our Central Data Analysis system to automate the tracking and management of these disputes and reconciliation of the ETC revenue. With this new module, our TMS will be fully integrated system, capable of tracking entire lifecycle of any transaction, from processing up to settlement and dispute management.

AI Image Processing

AI Image Processing (PIR) System & Innovation – New Ideas

A decade ago, AI was the future. Today, AI is present among us. We at PATH believe in change, we believe in moving ahead with time. Hence, we have already embraced AI and incorporated it into our Toll Management System. If you know Toll Management System, you have to know Auto Vehicle Classification (AVC) Systems. Conventional AVCs were based on Induction loops and Infrared sensors, which were costly, cumbersome to install and difficult to maintain.

• CRUSH BARREIRS:

Metal Beam Crash Barrier

We at **Prakash Asphaltings & Toll Highways (India) limited (PATH)**, manufacture and supply a complete range of products in metal beam crash barriers i.e., **W-Beam, Thrie- Beam, Modified Thrie Beams, Posts, and Spacers etc.** in accordance with MORTH Clause 811.3 & IRC: SP: 84, IRC: SP:87, IRC: SP: 99 & IRC: 119. We have state of the art in-house roll forming machines and hot dip galvanizing plant. Our current production capacity is **more than 2,000 M.T. per Month.**

NHAI Approved

“We are enlisted in Office Memorandum No. NHAI/TIC/PQ/2012-13/394 dated October 12, 2023, of the National Highways Authority of India (NHAI) as an approved manufacturer of metal beam crash barriers, and vide this memorandum, repeated source approval for our crash barriers is not required for different NHAI projects.”

We are the first company to execute the supply and installation of **100 km of double-beam crash barriers under the West Central Railway in record time of SIX Months.** More than 2,000 km of work has been allotted by the Indian Railways to facilitate the seamless operation of high-speed trains under various divisions. However, owing to the typical nature and complexity of the job, nobody has been able to complete it within the designated time frame. We at PATH are proud to have finished the difficult assignment in a record-breaking six months.

• Thermoplastic Road / Traffic Markings:

We manufactures high quality Thermoplastic Road / Traffic Markings that deliver better visibility and high performance ensuring safety with low maintenance. "Path" Retro – reflective thermoplastic road marking paint conforms to MoRTH, 803.4. This paint is most suitable for use on bituminous and concrete surfaces. It can also be used for parking lots, arrow marking, etc. This product is specially designed for the tropical Indian temperatures with high durability and excellent whiteness. Our quality of intermix and drop on glass beads is one of the highest in the industry and it ensures long lasting retro – reflectivity. We being in the highway construction business ourselves, realize the importance of life and quality of the product.

Our product us suitable for application with manual as well as automatic machines. Depending on the pigments used in it, the paint may be in any color as per the site requirement.

Key Features:

- Good reflectivity
- Quick Drying Time
- Skid Resistance
- Cost Effective
- Long Lasting life

Glass Beads Intermix & Drop On:

- Offers a longer preview time.
- Moisture Proof.
- Abrasion Resistant.
- Free Flowing.
- Excellent Retro Reflectivity.
- More than 80% Roundness.
- Easily compatible with Solvent and Waterborne Systems.
- The advantage of using beads in the road marking enhance the night time visibility.

Packing: 25kg

Storage: A minimum shelf life of 12 months when stored in a cool, dry and covered place.

• GFRP Rebars:

Fiber Reinforced Polymer (FRP) rebars are a revolutionary advancement in the construction industry, offering a superior alternative to traditional steel reinforcement. These composite materials are composed of high-strength fibers, such as glass or carbon, embedded within a polymer matrix. FRP rebars have gained widespread recognition for their exceptional durability, corrosion resistance, and lightweight properties. As a replacement for steel rebars, they have the potential to extend the lifespan of concrete structures while reducing maintenance and repair costs.

Benefits of FRP Rebar Over TMT Bar

- **More Strength:** Double the tensile strength of Fe 415D TMT Bar

- **Less Weight:** 1/4 density of Steel.
- **Corrosion Resistant:** non-corrosive and best suited for salty, acidic and moist environment.
- **Cost Effective:** Costs about 40% less than similar strength TMT.
- **Variable length:** Can be made to customised length and long coils.
- **Non Conductor of Electricity:** Electrically neutral (dielectric material) suitable for MRI Rooms in Hospital, Airports and High Voltage Cables.
- **Less thermal Expansion:** Less dimensional variation during summers.

Structural Applications of FRP Rebars:

- Precast Panels, non-structural walls and compound walls
 - Septic tanks, water tanks, swimming pools, reservoirs and ETP tanks
 - Approach Slabs, Retaining Walls, Noise Barriers, Box Culverts etc
 - Ground Slabs, Foundations of Houses and RCC Roads
 - Concrete coverings, parking lots, Platforms and Roads
 - Concrete Barriers & Bridge Parapets
 - Pedestrian Parapets, Railings, and Bulkheads Copings
 - Capacity
 - Two lines of pultrusion machine
 - Production Capacity of 2000 RMT per Shift
 - Rebars size 8mm, 10mm, 12mm & 16mm
 - Capacity to make Rebars up to size 32mm.
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PATH INDIA LTD FOUNDATION

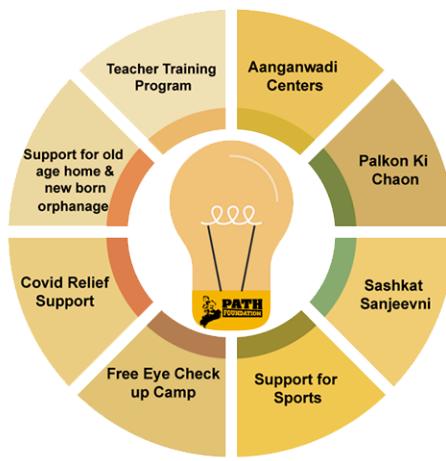
Why Path Foundation

Women and children together constitute about 67.7% of the country's population, as per 2011 Census. Empowerment and protection of women and children, and ensuring their wholesome development is crucial for sustainable and equitable development of the country.

Path Foundation initiatives have continued to evolve while remaining responsive to the ever changing needs of the society.

PATH Foundation is contributing in developing violence and discrimination free society and nurturing children in a safe and protective environment.

Our Initiatives



- Sashkat Sanjeevni
- Anganwadi Centers
- Palkon Ki Chaon

EVENTS & HAPPENING





Contact :

For feedback, partnerships, or further information, please feel free to contact us at
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