

PRECISION MODEL WORKS
2024



PRODUCT



CATALOGUE



email: info@precisionmodelworks.co.in





We don't make models, we make dreams come true!

At Precision Model Works we take pride in making quality Indian Railways models. Even though we are the home of one of the world's largest and most complex railway networks, there hasn't been a meaningful representation of the Indian Railways in miniature until now. We can make your dream of Indian railway models come true!

We primarily use additive manufacturing technologies, commonly known as 3D printing. This gives us versatility, faster design-to-market lead time, and flexibility to work on multiple projects simultaneously. We are by and large a 'made to order' firm - meaning, we make models once ordered and we carry little to no inventory. We also take custom orders where we handle everything from design to the physical model.

Our mission is to take India to a prominent place in the vast world of Model Trains and Scale Models, and our vision is to become the first truly global Indian model making firm.

What you need to know about our products

3D printing is a fast-evolving emerging tech, especially in the realm of manufacturing as the tech has mostly been traditionally used only for prototyping. We use the high resolution 'resin 3D printing' to fabricate everything we need to build a model, however, in many cases we use metal components like wheels, couplers, pantographs, and chassis blocks to make our models worthy to be used on a model train layout. Of course, 3D-printed parts behave differently than molded plastic but the overall functionality remains the same.



How to place an order



As primarily a 'made to order' firm, we typically take orders for volume work and custom builds. Since the market for Indian Railway models is still in a nascent stage, we do not commit to volume production at this point, however, we do release small batches of premium models regularly for hobbyists and collectors to purchase. If you are interested to purchase our models, below are the ways you can do so.

Direct purchase from our website: www.precisionmodelworks.co.in - here you will find all our established products that are released for retail sale.

Offline orders: Refer to this catalog for unreleased and/or out-of-stock, but developed products that can be produced on request and for larger orders.

Custom orders: If you have a completely new project in mind, then we take custom orders starting from design to production and delivery. Depending on the complexity of the project and volume, a proper project plan will be created along with a payment plan

Payment Terms

Order type	Quantity	Details	Payment Terms
Retail purchases	Up to 10 units at a time, in-stock or fully developed products	We typically consider an order as retail if we have ready stock of goods or something that can be produced within 2-3 months from the time of payment.	Full Payment in advance
Wholesale purchases	For 5 pieces or more of one item and a total of 20 pieces in a single order. Subject to availability of artwork.	Typically these are larger productions where we need to either source supplies or build items from start, and these are longer-term projects. The timeline of these projects varies based on the quantity ordered.	60% upfront and 40% before shipping
Custom orders	<ul style="list-style-type: none">• Customizing a developed product• Designing and producing a product from scratch	Since these projects vary a lot in complexity, order size and timeline, there is no fixed method. Each project is unique and a project/delivery plan is created with an associated payment plan.	Custom payment schedule based on the project





Things to remember

Production Ready vs. Custom Work: Most of our models are 'production ready' but 'made to order,' meaning, we have the design, the artwork, etc. ready and we will start production once the order is placed unless it is already in our release plan which will be communicated to you at the time of placing the order. At times, some supplies need longer lead time. Pantographs, artwork, motors, and some supplies are imported and we will need additional time for that sourcing (even for a fully developed model) if we do not have those supplies in stock at the time of placing the order.

Custom work doesn't equate to high volume: We do undertake custom design and/or production work even for a single model. However, these projects take longer and cost more since we have to take the project through the whole life cycle - design, sourcing, testing and prototyping, and then production.

IPR is NEVER transferred, even for custom work: Even if we do custom work for a customer the IPR and right to reproduce are never given to the customer unless otherwise agreed in writing. If you want to use us for a design project where you own the IPR, please contact us for financial arrangements.

Motorization/DCC Conversion is available on request: At the moment we are producing free-rolling display models as our main offering, however, we can customize a model and make it motorized with or without DCC on request.





Our Collector's Range products are perfect for the collector in you! Carefully designed and crafted to mimic the real life trains, vehicles and scenic elements that focus primarily on the Indian Railways and transportation subjects, these products can be displayed in your model train cabinet with pride.



That being said, these models are perfectly 'layout worthy' for those who have a model train layout. Unless mentioned otherwise, the models come with metal wheels and Kadee couplers, and sometimes even with lights for our premium range. You can easily make a double heading /multiple unit display by coupling our free-rolling display locos behind a motorized locomotive.



COLLECTOR'S RANGE

HO Scale (1:87)



WAP7 and WAG9



WAG9 and WAP7 are two locomotives that are most commonly associated with the modern Indian Railways.

Developed in 1995 and 1999 respectively, these locomotives were originally designed at 6000 HP+ engines, later improved to 9000 for the WAG9-HC. With nearly 5500 units produced between these two locomotives, they are the face of modern Indian Railways.

Our HO Scale, free rolling display models faithfully recreate these two iconic locomotives with unparalleled accuracy. The models boast crisp and accurate livery, painting, lettering, and details that will draw anyone's attention, railfan or not. Each locomotive is available in standard green or white livery with 8 choices of shed name and loco number each, plus 5 special liveries for each type.

These models are also layout worthy and can run as the second unit in a 'double heading' (multiple unit) set-up as an unpowered locomotive behind a motorized locomotive.

The models are equipped with HO Gauge metal wheels, metal Kadee couplers and Metal Pantograph.



WAG9 and WAP7 Liveries

Standard Liveries

The standard liveries of our WAP7 and WAG9 locomotives follow the real locomotives' red/white and green/yellow scheme respectively.



Eight Shed name/Loco Number combination is available for each.



Premium Liveries - WAP7

Our premium liveries are special liveries of prominent locomotives by various sheds. These special locomotives get the same attention to specific details as the real ones. These premium display models also come with working headlights, markers and taillights.*



Howrah #37215 (special 75th WAP7 LOCO OF ELS/HOWRAH)



Krishnarajapuram #37531 "SHIMSHA"



Ghaziabad #30201 "NAVKIRAN"



Ghaziabad #30406

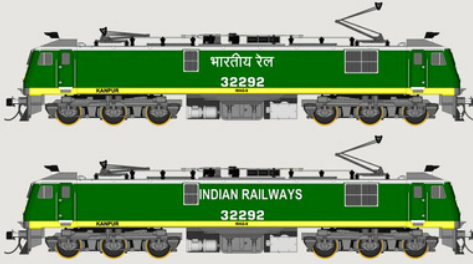


AJNI #30543 "OJAS"

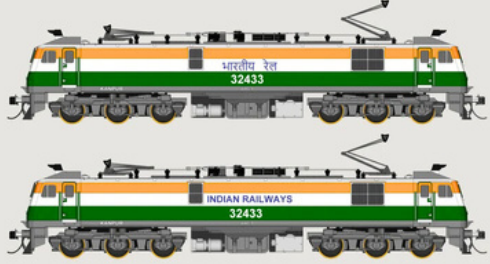
*The lights are directional and works on a standard HO scale layout. These lights are NOT battery operated out of the box. Please contact for custom display cases with option to power the lights.

WAG9 and WAP7 Liveries

Premium Liveries - WAG9



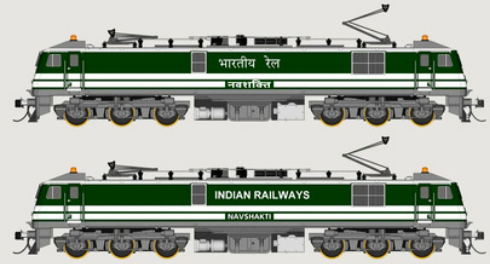
Kanpur WAG9 #32292



Kanpur #32433 (tricolour livery)



GOOTY #32008



Gomoh #31030 "Navshakti"



Gomoh #31086 "Dr Silver"

Our premium WAG9 series has all the features of our premium range WAP7 free-rolling display models, but these selected set has some really unique and important liveries that were given to the G9 locomotives over the years. They are a must in any Indian Railway collector's display



HO Scale (1:87)



WAP7 Listing and Prices

Model	Category	Shed and Rd No.	MRP (Incl. GST)	Wholesale Price*	Release Seq/Month
WAP7	Standard	Ajni #30489	10500	7350	4th/Jun '24
WAP7	Standard	Bhilai #30518	10500	7350	4th/Jun '24
WAP7	Standard	Sealdah #30205	10500	7350	4th/Jun '24
WAP7	Standard	Tughlakabad #30397	10500	7350	4th/Jun '24
WAP7	Standard	Vadodara #30464	10500	7350	4th/Jun '24
WAP7	Standard	Lallaguda #30260	10500	7350	4th/Jun '24
WAP7	Standard	Royapuram #30333	10500	7350	4th/Jun '24
WAP7	Standard	Vadodara #30463	10500	7350	4th/Jun '24
WAP7	Standard with HOG	Tatanagar #37520	10500	7350	4th/Jun '24
WAP7	Standard with HOG	Santragachi #30586	10500	7350	4th/Jun '24
WAP7	Standard with HOG	Erode #37297	10500	7350	4th/Jun '24
WAP7	Standard with HOG	Kalyan #37335	10500	7350	4th/Jun '24

**For 5 pieces or more of one item and a total of 20 pieces in a single order. Subject to availability of artwork. Lead time 60-90 days from the date of booking amount. Booking amount = 60% of the total order value. Remaining 40% payable before shipping. GST Included*

HO Scale (1:87)

WAG9 Listing and Prices

Model	Category	Shed and Rd No.	SKU	MRP (Incl. GST)	Wholesale Price*	Release Seq/Month
WAG9	Standard	Ludhiana #31669	WAG9DIS31669	9750	7000	3rd/Jul '23
WAG9	Standard	Valsad #41527	WAG9DIS41527	9750	7000	3rd/Jul '23
WAG9	Standard	Visakhapatnam #32690	WAG9DIS32630	9750	7000	3rd/Jul '23
WAG9	Standard	Krishnarajapuram #41058	WAG9DIS41058	9750	7000	3rd/Jul '23
WAG9	Standard	Asansol #33088	WAG9DIS33088	9750	7000	3rd/Jun '23
WAG9	Standard	Gomoh #31030	WAG9DIS31030	9750	7000	3rd/Jul '23
WAG9	Standard	Kanpur #32233	WAG9DIS32233	9750	7000	3rd/Jul '23
WAG9	Standard	Tatanagar #33030	WAG9DIS33030	9750	7000	3rd/Jul '23
WAG9	Premium	GOOTY #32008	WAG9DIS32008	12,500	8750	1st/Jul '23
WAG9	Premium	Kanpur #32433 (tricolour livery)	WAG9DIS32433	12,500	8750	1st/Jun '23
WAG9	Premium	Gomoh #31086 "Dr Silver"	WAG9DIS31086	12,500	8750	1st/Jul '23
WAG9	Premium	Gomoh #31030 "Navshakti"	WAG9DIS31030	12,500	8750	1st/Jul '23
WAG9	Premium	Kanpur WAG9 #32292	WAG9DIS32292	12,500	8750	1st/Jul '23

*For 5 pieces or more of one item and a total of 20 pieces in a single order. Subject to availability of artwork. Lead time 60-90 days from the date of booking amount. Booking amount = 60% of the total order value. Remaining 40% payable before shipping. GST Included

Deccan Queen Special

If you want to take a trip down the memory lane, we are here to take you back to an era when the charm of the Indian Railway was at its peak. When Mumbai was still Bombay and gigantic electric locomotives ruled the ghats.

This faithfully created HO scale model of the Deccan Queen train pack contains a non-motorised/free-rolling model of a WCM5 with classic red, blue and white livery - simplistic and elegant. We have included an SLR and a GS/Chair Car in the pack with the same classic livery, authentic period markings and train boards.



Type	Category	MRP (Incl. GST)	Wholesale Price**	Metal Wheels* and Couplers	Display Track (no case)	Release Seq/Month
Classic Deccan Queen Train Pack	Standard	16000	11200	+4000	+1500	1st/Jul '23
WCM5 - Deccan Queen Livery	Standard	7250	5075	+3250	+500	1st/Jul '23
GS/Chari Car - Deccan Queen Livery (Pre '96)	Standard	5500	3850	+1200	+500	1st/Jul '23
SLR - Deccan Queen Livery (Pre '96)	Standard	5500	3850	+1200	+500	1st/Jul '23

*For 5 pieces or more of one item and a total of 20 pieces in a single order. Subject to availability of artwork. Lead time 60-90 days from the date of booking amount. Booking amount = 60% of the total order value. Remaining 40% payable before shipping. GST Included

HO HO-BG Scale (1:87)



WDM₂/WDM₂C



WDM2 is the quintessential Indian Railway diesel engine that captures the romance of Indian Railways from a bygone era. A classic ALCO design, these magnificent engines ruled the railways and was pivotal in transitioning from steam to diesel power and paved the way for more modern diesel and electric engines that we see today. As only a handful of WDM2s are in active duty today

and its later variants are also on their way to the scrap yard, soon these legendary machines will only live in the memories and books, and we hope to keep the romance alive through our models.

Our models boast accurate details, livery, crisp painting, and accurately modeled delicate handrails and grabrails. Our standard offering is meant for a pure display model that comes with plastic wheels and dummy couplers that can be upgraded to metal wheels and couplers for an additional fee for those who want to run the models on a layout. There is also an option to choose between HO Standard Gauge (16.5mm) and HO Broad Gauge (19.00mm).



WDM2/WDM2C Listing and Prices



Livery	Category	Shed and Rd No.	MRP (Incl. GST)	Wholesale Price**	Metal Wheels* and Couplers	Display Track (no case)	Release Seq/Month
Yellow and black	Standard	Agra 17545	6500	4500	+1200	+500	1st/Jun '23
Palace on Wheels	Standard	Tuglakabad 17903	7000	4900	+1200	+500	1st/Jun '23
Classic Oxide Red	Custom***	Pune 17168 Mughalsarai 17122	7500	5250	+1200	+500	Not Applicable
Blue	Custom***	K.R. Puram 17776	7500	5250	+1200	+500	Not Applicable
Grey-Yellow-Maroon	Custom***	Erode 14076	7500	5250	+1200	+500	Not Applicable

All WDM2 models come with an option to select between HO Standard Gauge (16.5mm) and HO Broad Gauge (19.00mm) - the wheels will be 3D printed plastic by default.

*Metal wheels are ONLY available in HO Standard Gauge and NOT Broad Gauge.

** For 5 pieces or more of one item and a total of 20 pieces in a single order. Subject to availability of artwork.

Lead time 60-90 days from the date of booking amount. Booking amount = 60% of the total order value. Remaining 40% payable before shipping. GST Included

*** These liveries are made ONLY on request and artwork prep time will be added to the delivery timeline.

Customers can opt for professionally weathered models for an additional fee of Rs. 1000/- per model.



Pune 17168 - Classic maroon livery



Agra 17545 - Yellow livery



Erode 14076 - Tri-colour livery



Mughal Sarai 17122 - Classic maroon livery



Krishnarajapuram 17776 - Blue livery



Krishnarajapuram 17776 - Blue livery - weathered

HO Scale (1:87)



Passenger Coaches



Passenger trains are the lifeline of India and her common folks, so no representation of Indian Railways is complete without them. Our passenger coaches are accurately designed, boasting crisp paint jobs and lettering, come with a full interior, and are completely layout worthy with metal wheels and Kadee couplers. We have many varieties in the pipeline, but our flagship passenger coach offering is the BEML coaches - our offering includes GS and SLR.

Coach Type	Available zonal marking	Livery
BEML GS	ER, SWR, NCR, WR, CR,SCR	Blue
	ER, SWR, NCR, WR, CR,SCR	Oxide Red
BEML SLR	ER, SWR, NCR, WR, CR,SCR	Blue
	ER, SWR, NCR, WR, CR,SCR	Oxide Red



HO Scale (1:87)



Passenger Coaches Listing and Prices

Livery	Category	Manufacturer /type	MRP (Incl. GST)	Wholesale Price*	Metal Wheels and Couplers	Release Seq./Month
Deep and light blue	Standard	BEML SLR/GS	5500	3800	+1000	1st/Jun '23
Oxide red	Standard	BEML SLR/GS	5500	3800	+1000	1st/Jun '23

**For 5 pieces or more of one item and a total of 20 pieces in a single order. Subject to availability of artwork. Lead time 60-90 days from the date of booking amount. Booking amount = 60% of the total order value. Remaining 40% payable before shipping. GST Included*



HO Scale (1:87)



Freight Wagons



Indian Railways earn its lion's share of the revenue from hauling freight and any serious modeler's dream is to replicate freight movements faithfully. Our Indian Railways Freight wagons are an economical way to get a lot of action on your model train layout, but they are also quite good for displays as well.

Product Type	Category	MRP (Incl. GST)	Wholesale Price*	Metal Wheels, Couplers, high quality details	Release Seq/Month
BRN/BRNA	Standard	2500	1750	+1200	1st/Aug '23
BOXN-HS	Standard	2700	1900	+1200	1st/Aug '23
BOBYN	Standard	3000	2100	+1200	1st/Aug '23
BVCM/BVZI	Standard	3000	2100	+1200	1st/Aug '23



*For 5 pieces or more of one item and a total of 20 pieces in a single order. Subject to availability of artwork. Lead time 60-90 days from the date of booking amount. Booking amount = 60% of the total order value. Remaining 40% payable before shipping. GST Included

HO Scale (1:87)



Calcutta Tram

Deviating from the heavyweights of the Indian Railways, we take you to another type of vehicle that runs on rails and have been an integral part of the City of Joy - the Calcutta Tram. Radically different from our mainstream railway subjects, Calcutta Tram captures the romance of light railway in the last surviving tram network in India. Though on its way to severe decline, the Calcutta tram still has a strong emotional connection to the city and still has the potential to play a pivotal role in building a sustainable and green mode of urban transportation for the citizens of the great city of Kolkata.



Our first Calcutta Tram model is the Burnstandard Tram and it not only boasts accurate scale details and paint scheme on the outside, but we also took a non-compromising stance on the interior details. In this very open structure, you can get a nice view of the interior, seats, ceiling fans, and grab rails. The model comes in two variants, standard and premium, the details of which are mentioned below.

Model	Category	Features	MRP (Incl. GST)	Wholesale Price*	Release Seq./Month
Burnstandard Tram	Standard	Accurate details and paint, full interior, plastic wheels	6500	4600	1st/Apr '23
Burnstandard Tram	Premium	Standard + driver, 2 conductors, passengers, metal wheels and display base	9500	6700	1st/Apr '23



*For 5 pieces or more of one item and a total of 20 pieces in a single order. Subject to availability of artwork. Lead time 60-90 days from the date of booking amount. Booking amount = 60% of the total order value. Remaining 40% payable before shipping. GST Included

009 Scale (1:76)



Darjeeling Himalayan Railways

Darjeeling Himalayan Railway is one of the most famous 2 ft Narrow Gauge lines in the world and we always pay a special attention to it. Our products are developed in 009 which is OO scale (1:76) 2ft narrow gauge that runs on 9mm gauge (N gauge) tracks. DHR is what got PMW started - our flagship products were the DHR kits that we developed with utmost care and consultation with top DHR historians and experts. Now in the PMW Collector's Series, we are proud to launch fully detailed and painted versions of various DHR models and train sets.

Our NDM6 locomotive can be easily motorized by replacing the static display chassis with recommended mechanism from Narrow Gauge in Japan



NDM6 in 009 (1:76)





NDM6 'Swaraj' in Tri-colour livery



DHR Modern AC Train Pack



DHR Modern 2nd Class Train Pack

Model	Category	Includes	MRP (Incl. GST)	Wholesale Price*	Release Seq./Month
DHR AC Passenger Train	Standard	NDM6 + AC Coach (927) + Luggage cum Brake (151)	15000	10500	1st/May '23
DHR Non-AC Passenger Train	Standard	NDM6+ 2nd Class Coach (362) + Luggage cum Brake (151)	15000	10500	1st/May '23

*For 5 pieces or more of one item and a total of 20 pieces in a single order. Subject to availability of artwork. Lead time 60-90 days from the date of booking amount. Booking amount = 60% of the total order value. Remaining 40% payable before shipping. GST Included



009 Scale (1:76)



DHR Modern 2nd Class Coach



DHR Modern AC Coach



DHR Modern Luggage Cum Brake Coach



NDM6 in 009 (1:76)

Model	Category	MRP (Incl. GST)	Wholesale Price*	Release Seq/Month
DHR AC Coach - Kurduwadi Built	Standard	5000	3500	1st/May '23
DHR 2nd Class Coach - Kalka Built	Standard	5000	3500	1st/May '23
DHR Luggage-cum-brake - Gorakhpur Built	Standard	5000	3500	1st/May '23
NDM6	Standard	6000	4200	1st/May '23

*For 5 pieces or more of one item and a total of 20 pieces in a single order. Subject to availability of artwork. Lead time 60-90 days from the date of booking amount. Booking amount = 60% of the total order value. Remaining 40% payable before shipping. GST Included