



CORPORATE BROCHURE

Founded in 2020, Jy Ram Auto Engineering Pvt. Ltd. is a leading manufacturer of high-performance automotive components in India. Based in Vadodara, Gujarat, we serve OEM and aftermarket clients nationwide. Backed by innovation, quality certifications, and a skilled team, we're expanding rapidly with eco-friendly, precision-engineered solutions.

☎ +91 90818 04777 ✉ Jyramautoengg211@gmail.com

📍 Atmiya 2 Industrial Park, 333, GIDC Industrial Area, Chokdi, Por, Gujarat 391243

📍 Kh. No. 94, Bindu Khara Road Vill. Danpur, Rudrapur, Udham Singh Nagar, Uttarakhand, 263153



About Us

Jy Ram Auto Engineering Pvt. Ltd. was founded in 2020 by Mr. Ajay kumar Mahato and Kevin Satishbhai Patel, a visionary entrepreneur with a mission to revolutionize automotive engineering in India. Jy Ram Auto Engineering has rapidly grown to become a trusted name in the manufacturing of high-performance automotive components and custom-engineered solutions for a wide range of vehicles.

Headquartered in Por GIDC, Vadodara, Gujarat, our modern production facility is equipped with advanced machinery and a skilled workforce that enables us to maintain a monthly production capacity of 150+ units per month. Since the start of operations, we have consistently delivered precision-engineered parts to clients across India, catering to both OEMs and aftermarket requirements.

Our dedicated R\&D team continuously works on innovation and product enhancement to meet the evolving needs of the automotive industry. With over 100+ engineers and 140+ employees nationwide, Jy Ram Auto Engineering serves a growing base of satisfied clients through B2B and B2C channels.

By 2025, we aim to expand our presence across multiple states with new facilities and a broader product line. Jy Ram Auto Engineering is an ISO 9001:2015 certified company, with designs approved by ICAT (International Centre for Automotive Technology). We are recognized for our quality, durability, and commitment to eco-friendly manufacturing.



About Us

Jy Ram Auto Engineering Pvt. Ltd. was founded in 2020 by Mr. Ajay kumar Mahato and Kevin Satishbhai Patel, a visionary entrepreneur with a mission to revolutionize automotive engineering in India. Jy Ram Auto Engineering has rapidly grown to become a trusted name in the manufacturing of high-performance automotive components and custom-engineered solutions for a wide range of vehicles.

Headquartered in Por GIDC, Vadodara, Gujarat, our modern production facility is equipped with advanced machinery and a skilled workforce that enables us to maintain a monthly production capacity of 150+ units per month. Since the start of operations, we have consistently delivered precision-engineered parts to clients across India, catering to both OEMs and aftermarket requirements.

Our dedicated R\&D team continuously works on innovation and product enhancement to meet the evolving needs of the automotive industry. With over 100+ engineers and 140+ employees nationwide, Jy Ram Auto Engineering serves a growing base of satisfied clients through B2B and B2C channels.

By 2025, we aim to expand our presence across multiple states with new facilities and a broader product line. Jy Ram Auto Engineering is an ISO 9001:2015 certified company, with designs approved by ICAT (International Centre for Automotive Technology). We are recognized for our quality, durability, and commitment to eco-friendly manufacturing.

Ajay Kumar Mahato

Director,

Jy Ram Auto Engineering Pvt. Ltd.

Kevin Satishbhai Patel

Director,

Jy Ram Auto Engineering Pvt. Ltd.

Why Choose Jy Ram ?

- ★ Use of selected automobile graded material and best in class components.
- ★ In house design and R & D team, for customized requirement.
- ★ CNC machines, Robotic Welding and Best process implementation.
- ★ Highest level of automation through various SPM's and self-propelled robotics.
- ★ Welded through best techniques, SAW Welding, MIG Welding using inert Corgon [Argon (80%)+CO,(20%)] gases.
- ★ MS-SS welding by using 98% argon & 2% Co, gases.
- ★ Fabricated I-Beam for highest strength.
- ★ Shot Blasting and Paint Booth for better quality and longer trailer paint life.
- ★ Faster delivery.
- ★ Customized product as per specific customer application.
- ★ Every product is designed, engineered and tested.
- ★ Warranty on all products.
- ★ Pan India Service and spares availability.
- ★ ICAT and ISO 9001:2015 CERTIFIED.



TIP TRAILER

LANDING LEG

- ★ Two spend geared landing leg.
- ★ Make York or equivalent.

BRAKES

- ★ Twin line air brake system coupled to prime mover brake system.
- ★ Trailer brakes are actuated from the prime mover.
- ★ Manually actuated parking brake.
- ★ 724 brake chamber provided in all axles.
- ★ QRV or LQ RV provided for enhanced braking efficiency.
- ★ ABS/ERS.

KING PIN

- ★ 2 king pin equivalent to 15. 6763 Part provided.
- ★ Make York or equivalent.

CHASSIS

- ★ Main girder Fabricated.
- ★ Material : HSFQ 450 or equivalent.
- ★ Cross members rolled or folded positioned at suitable locations.

HYDRAULIC KIT

- ★ Hydraulic tank includes pump, tank, return line filter, tipping valve and hydraulic hoses.
- ★ Operating pressure 170 BAR.
- ★ Multi stage cylinder : Model FC 191-5-6010 stroke length, 169-4 stage.

SUSPENSION

- ★ 16- ton capacity tridem axle leaf spring suspension with load equalizing brackets.
- ★ Tandem 16 ton + 14ton pneumatic suspension.

AXLE

- ★ 3/2 axles (14 ton) provided.
- ★ York/Hendrickson or equivalent.

PAINTING

- ★ Surface is deaned by shot blasting followed by painting which confirms ASTM B117.2011 salt spray testing of 500 hours.



TIP TRAILER

LANDING LEG

- ★ Two spend geared landing leg.
- ★ Make York or equivalent.
- ★ Twin line ar brake system coupled to prime mover brake system.
- ★ Trailer brakes are actuated from the prime mover.
- ★ Manually actuated parking brake.
- ★ 724 brake chamber pro provided in all axles.
- ★ QRV or LQRV provided for enhanced braking efficiency.

KING PIN

- ★ 2 king pin equivalent to 15. 6763 Part provided.
- ★ Make York or equivalent.

CHASSIS

- ★ Main ginder Fabricated.
- ★ Material : HSFQ 450 or equivalent.
- ★ Cross members rolled or folded positioned at suitable locations.

HYDRAULIC KIT

- ★ Hydraulic tank includies pump, tank, return line filter, tipping valve and hydraulic hoses.
- ★ Operating pressure 170 BAR.

- ★ Multi stage cylinder : Model FC 191-5-6010 stroke length, 169-4 stage.

SUSPENSION

- ★ 16- ton capacity tridem axle leaf spring suspension with load equalizing brackets.
- ★ Tandem 16 ton + 14ton pneumatic suspension.

AXLE

- ★ 3/2 axles (14 ton) provided.
- ★ York/Hendrickson or equivalent.

PAINTING

- ★ Surface is deaned by shot blasting followed by painting which confirms ASTM B117.2011 salt spray testing of 500 hours.



SIDE WALL TRAILER

CHASSIS

- ★ Main girder fabricated.
- ★ Cross members led or folded positioned at suitable locations.
- ★ Material HSFO-450.
- ★ Fixed front and side panel, dropdown rear door.
- ★ 1 window provided at the centre on both side.

AXLE

- ★ 3/2 axles (14-ton) provided.
- ★ Make: York or equivalent.

KING PIN

- ★ 2" king pin equivalent to IS: 6763 part I provide.
- ★ Make: York or equivalent.

PAINTING

- ★ Surface is cleaned by shot blasting followed by painting which confirms ASTM B117.2011 salt spray testing of 500 hours.

BRAKES

- ★ Twin line air brake system coupled to prime mover brake system.
- ★ Trailer brakes are actuated from the prime mover.
- ★ T24 brake chamber provided on all axles.
- ★ Manually actuated parking brake.
- ★ QRV or LQRV provided for enhanced braking efficiency.
- ★ ABS/EBS

SUSPENSION

- ★ 16-ton capacity tridem axle leaf spring suspension with load equalizing brackets.
- ★ Tandem 16ton + 14ton pneumatic suspension.

LANDING LEG

- ★ Two speed geared landing leg.
- ★ Make York or equivalent.



FLATBED

CHASSIS

- ★ Main girder-fabricated.
- ★ Cross members rolled or folded positioned at suitable locations.
- ★ Material: HSFQ-450.

KING PIN

- ★ 2" king pin equivalent to IS: 6763 Part I provided.
- ★ Make: York or equivalent.

AXLE

- ★ 3/2 axles (14-ton) provided.
- ★ Make: York or equivalent.

BRAKES

- ★ Twin line air brake system coupled to prime mover brake system.
- ★ Trailer brakes are actuated from the prime mover.
- ★ T24 brake chamber provided on all axles.
- ★ Manually actuated parking brake.
- ★ QRV or LQRV provided for enhanced braking efficiency.
- ★ ABS/EBS

PAINTING

- ★ Surface is cleaned by shot blasting followed by painting which confirms ASTM B117.2011 salt spray testing of 500 hours.

SUSPENSION

- ★ 16-ton capacity tridem axle leaf spring suspension with load equalizing brackets.
- ★ Tandern 16ton 14ton pneumatic suspension.
- ★ Tridem pneumatic suspension.

LANDING LEG

- ★ Two speed geared landing leg.
- ★ Make : York or equivalent.



FLATBED

CHASSIS

- ★ Main girder-fabricated.
- ★ Cross members rolled or folded positioned at suitable locations.
- ★ Material: HSFQ-450.

KING PIN

- ★ 2" king pin equivalent to IS: 6763 Part I provided.
- ★ Make: York or equivalent.

AXLE

- ★ 3/2 axles (14-ton) provided.
- ★ Make: York or equivalent.

BRAKES

- ★ Twin line air brake system coupled to prime mover brake system.
- ★ Trailer brakes are actuated from the prime mover.
- ★ T24 brake chamber provided on all axles.
- ★ Manually actuated parking brake.
- ★ QRV or LQRV provided for enhanced braking efficiency.
- ★ ABS/EBS

PAINTING

- ★ Surface is cleaned by shot blasting followed by painting which confirms ASTM B117.2011 salt spray testing of 500 hours.

SUSPENSION

- ★ 16-ton capacity tridem axle leaf spring suspension with load equalizing brackets.
- ★ Tandern 16ton 14ton pneumatic suspension.
- ★ Tridem pneumatic suspension.

LANDING LEG

- ★ Two speed geared landing leg.
- ★ Make : York or equivalent.



CONTAINER TRAILER (CONTRAILER)

CHASSIS

- ★ Main girder fabricated.
- ★ Cross members - rolled or folded positioned at suitable locations.
- ★ Material: HSFQ-450.

KING PIN

- ★ 2" king pin equivalent to IS: 6763 Part 1 provided.
- ★ Make: York or equivalent.

AXLE

- ★ 3/2 axles (14-ton) provided.
- ★ Make: York or equivalent.

BRAKES

- ★ Twin line air brake system coupled to prime mover brake system.
- ★ T24 brake chamber provided on all axles.
- ★ Manually actuated parking brake.
- ★ QRV or LQRV provided for enhanced braking.
- ★ QRV or LQRV provided for enhanced braking efficiency.
- ★ ABS/EBS.

PAINTING

- ★ Surface is cleaned by shot blasting followed by painting which confirms ASTM B117.2011 salt spray testing of 500 hours.

SUSPENSION

- ★ 16-ton capacity tridem axle leaf spring suspension with load equalizing brackets.
- ★ Tandem 16ton + 14ton pneumatic suspension.
- ★ Tridem pneumatic suspension.

LANDING LEG

- ★ Two speed geared landing leg.
- ★ Make: York or equivalent.

ADDONS

- ★ Parking lights, rearview camera, indicator lamps, sidelights, reflectors, toolbox etc. will be provided.



SEKELETAL & CONTAINER TRALERS

CHASSIS

- ★ Main girder fabricated.
- ★ Cross members led or folded positioned at suitable locations.
- ★ Material HSFO-450.

AXLE

- ★ 3/2 axles (14-ton) provided.
- ★ Make: York or equivalent.

KING PIN

- ★ 2" king pin equivalent to IS: 6763 part I provide.
- ★ Make: York or equivalent.

BRAKES

- ★ Twin line air brake system coupled to prime mover brake system.
- ★ Trailer brakes are actuated from the prime mover.
- ★ T24 brake chamber provided on all axles.
- ★ Manually actuated parking brake.
- ★ QRV or LQRV provided for enhanced braking efficiency.
- ★ ABS/EBS

PAINTING

- ★ Surface is cleaned by shot blasting followed by painting which confirms ASTM B117.2011 salt spray testing of 500 hours.

SUSPENSION

- ★ 16-ton capacity tridem axle leaf spring suspension with load equalizing brackets.
- ★ Tandem 16ton + 14ton pneumatic suspension.
- ★ Tridem pneumatic suspension

LANDING LEG

- ★ Two speed geared landing leg.
- ★ Make York or equivalent.



RUNNING GEAR

CHASSIS

- ★ Main girder-fabricated.
- ★ Cross members - rolled or folded positioned at suitable locations.
- ★ Material: HSFQ-450.

KING PIN

- ★ 2" king pin equivalent to IS: 6763 Part I provided.
- ★ Make York or equivalent.

AXLE

- ★ 3/2 axles (14-ton) provided.
- ★ Make: York or equivalent.

BRAKES

- ★ Twin line air brake system coupled to prime mover brake system.
- ★ Trailer brakes are actuated from the prime mover.
- ★ T24 brake chamber provided on all axles.
- ★ Manually actuated parking brake.
- ★ QRV or LQRV provided for enhanced braking efficiency.
- ★ ABS/EBS

PAINTING

- ★ Surface is cleaned by shot blasting followed by painting which confirms ASTM B1.17.2011 salt spray testing of 500 hours.

SUSPENSION

- ★ 16-ton capacity tridem axle leaf spring suspension with load equalizing brackets.
- ★ Tandem 16ton + 14ton pneumatic suspension.
- ★ Tridem pneumatic suspension.

LANDING LEG

- ★ Two speed geared landing leg.
- ★ Make: York or equivalent.



BOMB CART TRAILER

CHASSIS

- ★ Main girder fabricated.
- ★ Crass members-rolled or folded positioned at suitable locations.

MATERIAL

- ★ HSFQ-450 6 shock absorber springs provided for 20 ft and 40 ft container.

KING PIN

- ★ 2 king pin equivalent to IS: 6763 Part 1 provided.
- ★ Make: York or equivalent.

AXLE

- ★ 2/3 axles (14 ton) provided.
- ★ Make: York or equivalent.

BRAKES

- ★ Twin line air brake system coupled to prime mover brake system.
- ★ Trailer brakes are actuated from the prime mover.
- ★ T24 brake chamber provided on all axles.
- ★ Manually actuated parking brake.
- ★ ABS/EBS

PAINTING

- ★ Surface cleaned by shot blasting followed by painting which confirms ASTM B117.2011 salt spray testing of 500 hours.

SUSPENSION†

- ★ 18-ton capacity tandem axle leaf spring Suspension with load equalizing brackets.

LANDING LEG

- ★ Telescopic landing leg.
- ★ Make: York or equivalent.



TIPPING CONTAINER TRAILER

CHASSIS

- ★ Main girder fabricated.
- ★ Cross members led or folded positioned at suitable locations.
- ★ Material HSFO-450.

AXLE

- ★ 3/2 axles (14-ton) provided.
- ★ Make: York or equivalent.

KING PIN

- ★ 2" king pin equivalent to IS: 6763 part I provide.
- ★ Make: York or equivalent.

PAINTING

- ★ Surface is cleaned by shot blasting followed by painting which confirms ASTM B117.2011 salt spray testing of 500 hours.

BRAKES

- ★ Twin line air brake system coupled to prime mover brake system.
- ★ Trailer brakes are actuated from the prime mover.
- ★ T24 brake chamber provided on all axles.
- ★ Manually actuated parking brake.
- ★ QRV or LQRV provided for enhanced braking efficiency.
- ★ ABS/EBs

SUSPENSION

- ★ 16-ton capacity tridem axle leaf spring suspension with load equalizing brackets.
- ★ Tandem 16ton + 14ton pneumatic suspension.
- ★ Tridem pneumatic suspension

LANDING LEG

- ★ Two speed geared landing leg.
- ★ Make York or equivalent.



CAR CARRIER

UPPER DECK PLATFORM

- ★ 2 platform construction, manual, hydraulic cylinder operated for flexibility in multiple car loading.
- ★ Platform made from tubular rectangular pipes reinforced with cross members of ISMC 75x40.
- ★ Additionally, box and anti-skid perforated sheet is also provided.
- ★ Approach angle of tilting upper deck is less than 11 degrees.

LOWER PLATFORM

- ★ Made with 2.5mm thick perforated sheet and 2.5mm thick chequered plate in the centre and side of the track.

REAR DOOR CUM LOADING RAMP

- ★ Loading/unloading operated with twin hydraulic cylinders.
- ★ Tubular construction with 1.6 mm thick M.S. plain sheet (outer side) and,
- ★ 2.5mm M.S. sheet (inner side wheel track).
- ★ Anti-skid rod to avoid slipping of tyres.
- ★ Approach angle of loading ramp is less than 9 degrees.

KING PIN

- ★ 2" king pin equivalent to IS: 6763 Part | provided.
- ★ Make: York or equivalent.

CHASSIS

- ★ Main girder fabricated.
- ★ Cross members rolled or folded positioned at suitable locations.
- ★ Material: HSFQ-450.

BRAKES

- ★ Twin line air brake system coupled to prime mover brake system.
- ★ Trailer brakes are actuated from the prime mover.
- ★ T24 brake chamber provided on all axles.
- ★ Manually actuated parking brake.

- ★ QRV or LQRV provided for enhanced braking efficiency.
- ★ ABS/EBS.

SUSPENSION

- ★ 16-ton capacity tridem axle leaf spring suspension with load equalizing brackets.
- ★ Tandem 16ton + 14ton pneumatic suspension.
- ★ Tridem pneumatic suspension.



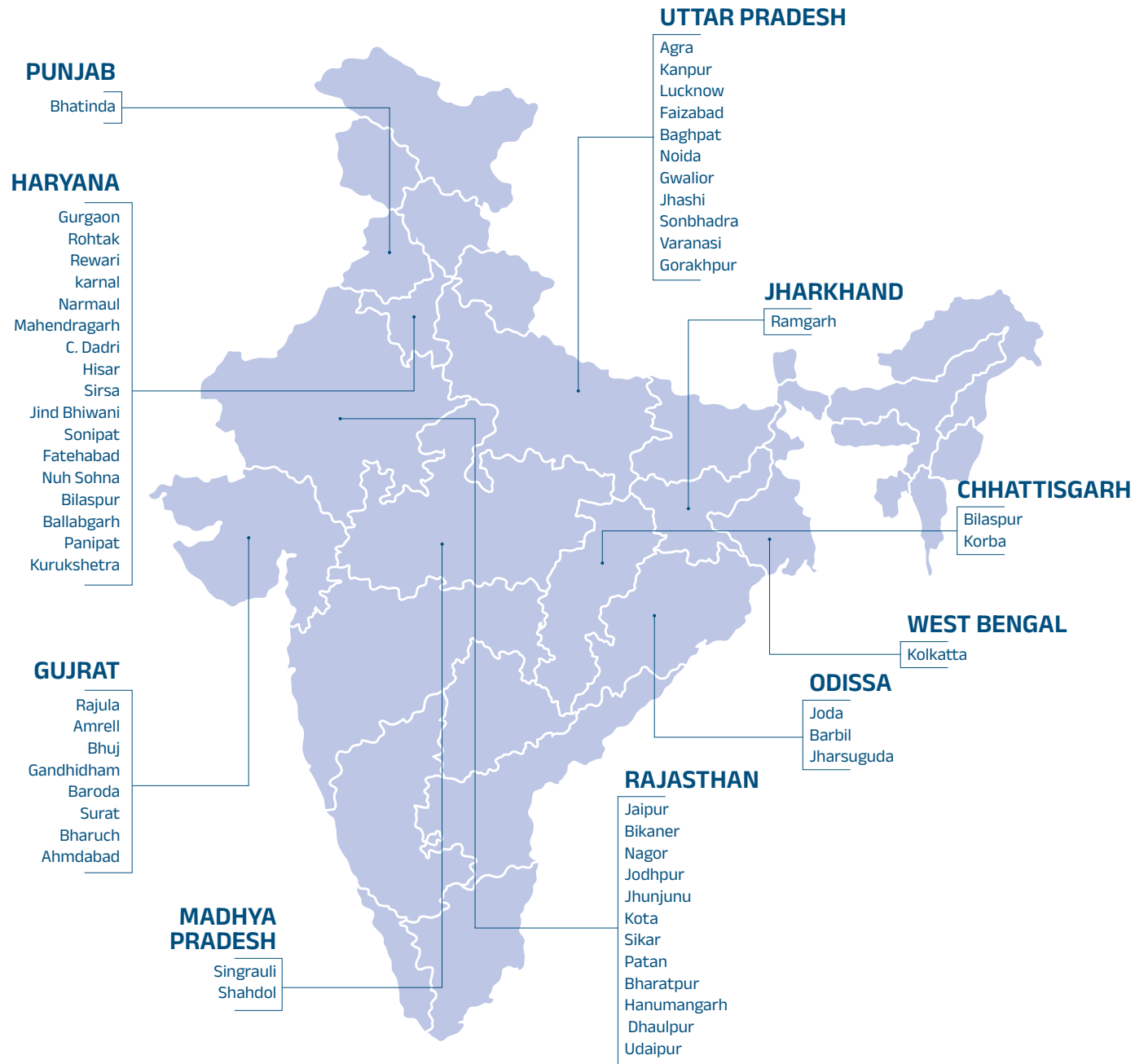
STATE-OF-THE-ART FACILITIES

We are equipped with epic infrastructure (CNC, Robotic welding and automated machineries with emerging technologies) to design and develop customized vehicles, which can be fabricated for industrial and commercial transport solution.



OUR SERVICE NETWORK

- ★ Our company has expanded to every part of India and services are available throughout the country.
- ★ Every product we manufacture comes with one-year standard warranty.



SPECIAL FEATURES IN JY RAM TRAILERS



ABS



360 PARKING
SENSOR



EBS



AXLE WEIGHT
LOAD SENSOR



CURTAIN LIFT



HYDRAULIC
TAIL GAT



TRUCK TILT
ASSISTANCE



PARKING
SENSOR



REAR PARKING
CAMERA



GPS



TPMS
(Tyre Pressure
Monitoring System)



ON BOARD
WEIGHING

Our Happy Clients





☎ +91 9081 804777 ✉ Jyramautoengg211@gmail.com

1st Side Plant 1 - Vadodara

Atmiya 2 Industrial Park,
333, GIDC Industrial Area, Chokdi,
Por, Gujarat 391243

2nd Side Plant 2 - Rudrapura

Kh. No. 94, Bindu Khera Road Vill. Danpur,
Rudrapur, Udham Singh Nagar,
Uttarakhand, 263153