

EXPOSHOW EXPOROUNDUP

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AUTO EXPO-THE MOTOR SHOW 2016

5 - 9 February 2016, India Expo mart, Greater Noida, Delhi NCR, India

Media preview Total footfalls

3th February 2016 6.01 lakh

Media & Inauguration Total new vehicles unveiled

> 4th February 2016 108

Number of Media registered International Participation From

China, France, Germany, Italy, Japan, Korea, Poland, Sweden,

UK. USA

Number of Vehicle Exhibitors Website

www.autoexpo-themotorshow.in

Concurrent Events

Show Days

5th February 2016 to 9th February 2016 **Awards** CNB Auto Expo Awards for Excellence

> **Organisers** Zeegnition Auto Awards 2016

SIAM (Society of Indian Automobile

Manufacturers)

ACMA (Automotive Component Manufacturers Auto Expo 2016 Component Show, Pragati Maidan, New Delhi

Association of India) 9th FADA Auto Summit CII (Confederation of Indian Industry) Auto Trade Dialogue

Automotive Design Challenge

Bollywood Zone Exhibition area

> **Driver Training Programme** 73,000 sqmts Safety Ride Programs

Total Number of Vehicles Displayed

SIAM Anti-counterfeiting Campaigning activities 2Wheelers - 200+

SIAM Styling & Design Conclave

Super Bikes rides to Motor Show: Safety gears while riding Commercial Vehicles (Trucks & Buses), 3Wheelers,

Cars & MUVs/SUVs, Special Vehicles, Concept Super Car & Super Bike pavilion

Vehicles etc. - 300+

Test drive of vehicles Vintage Car Display



SIRISH CHANDRAN Editor, evo India @SirishChandran sirish@gtopublishing.com

AS GOOD AS ANY INTERNATIONAL SHOW

SIPPING a piping hot cappuccino with my colleagues on the terrace of the Jeep stand in Hall 10, it dawned on us that the view ahead could be from any major international motor show. Ahead of us was the BMW stand that was overflowing on day one when Sachin Tendulkar took the wraps off the new 7 Series. To my left was Datsun, and further ahead the Nissan stand where media colleagues hustled for a shot of John Abraham with the GT-R. The Honda stand on my right had ASIMO doing his routine jig. And below me crowds were drooling over the newly unveiled Jeeps. This was a familiar sight from many international motor shows and I can say, with confidence, that the Auto Expo was nearly as good as the best international shows. The infrastructure, helped in no small measure by the new permanent halls, was first class and the manufacturers have to be complemented for putting up stalls of the very highest international quality. You'd of course expect the likes of BMW to bring down their entire motor show crew from Germany to erect the stand, but behind us the sprawling Mahindra pavillion for all their product lines was executed with almost as much finesse.

The Auto Expo has come of age and I am sure the six lakh plus visitors that thronged the pavilions of the 65 manufacturers will agree. But don't fret if you couldn't make it down to Greater Noida. All the important launches have been compiled into this handy booklet and you can catch all the other action on our website www.autoexpo.evoindia.com

Enjoy!



AUTO EXPO – The Motor Show 2016 was jointly organized by Society of Indian Automobile Manufacturers (SIAM), Automotive Component Manufacturers Association of India (ACMA) and Confederation of Indian Industry (CII) at the India Expo Mart Limited (IEML) in Greater Noida. The show was made open to public from February 5th 2016 to February 9th 2016. A preview of the show was given to the media on the 3rd & 4th of February. The show was inaugurated by the Honorable Minister of Heavy Industries and Public Enterprises of India, Shri Anant Geete and Honorable Minister of Road Transport and Highways of India, Shri Nitin Gadkari on the 4th of February, 2016. Spread over an exhibition area of over 73,000 sqms, the show witnessed participation from more than 59 exhibitors who launched and unveiled a whopping 108 vehicles including the two-wheelers, three-wheelers, four-wheelers and commercial vehicles. The show registered a footfall of 6.01 lakh over a period of 7 days. The show saw the coming together of all the stakeholders - government, industry and public to make the show a major success.

Simultaneously, The Component Show took place at the Pragati Maidan in New Delhi. The event showcased the best of technology the automotive component manufacturers had on offer. The show witnessed footfalls of 114,000 between February 4th-7th, 2016.

CONTENTS MARCH 2016

EXPO INFORMATION

All the facts and figures

INAUGURATION

Official opening ceremony

CELEBRITIES AT THE EXPO

Popular petrolheads add star power

6-19 **CARS**

All the interesting cars showcased

20-25

TWO WHEELERS

The best on two wheels

26-29

COMMERCIAL VEHICLES

Big on business

30-31

MOTORSPORT

The widest spread of motorsport machines

32-33

NDTV SIAM AWARDS

Winners of the Expo



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6,01,914 at last count; the number of footfalls at the Expo fairgrounds this year

Cars, two wheelers, commercial vehicles, ATVs, bicycles, anything and everything on wheels made it to the Expo

thousand

That's square metres of exhibition space this year, 6,000 more than Auto Expo 2014

two-wheelers

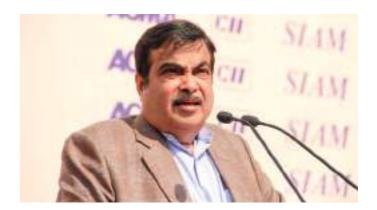
given away by manufacturers to lucky draw winners over the five public days



Mega automotive platform is a major success

ALMOST all Indian automotive brands have come to the Expo fairgrounds with a lot of exciting offerings and going by the products unveiled during the media days, over six lakh automotive enthusiasts flocked to the India Expo Mart on the public days.

Manufacturers showcased sharp new concepts, launched cars and two-wheelers from the budget end of the segment to ones that cost over a few crores, and came up with beautifully designed pavilions in the latest edition of the Auto Expo. The show is a lot larger than before. Compared to the temporary structures erected in the previous edition of the Expo, six large permanent halls have been constructed adding an extra 37,240 square metres of floor space. Now spread over 16



halls, the total exhibition space has gone up from 67,000 square metres to 73,000 square metres.

Over the four public days, the Expo witnessed almost ten per cent more visitors than the 2014 Auto Expo. There are more manufacturers participating in the Expo too, at least ten more than last time and with about 65 exhibitors showcasing their newest offerings in the portfolio, this Expo turned out to be one cracker of a show.

The show was officially inaugurated by Anant Geete, Minister of Heavy Industries and Public Enterprises and Nitin Gadkari, Minister of Road Transport and Highways.















Audi R8 V10 Plus

AUDI has kicked off 2016 by launching their fastest car, the R8 V10 Plus in India for a hole-in-pocket ₹2.47 crore, exshowroom Delhi. This is Audi's first car launch of the year with another nine products scheduled for 2016. Back to the R8, and the V10 engine now churns out a gutwrenching 600bhp, propelling the R8 from standstill to 100kmph in a Quattro-aided 3.2 seconds.

Speaking of which, the Quattro all-wheel-drive svstem

received a full overhaul with a new computer-controlled clutch that's programmed to deliver the right amount of torque to the front axle and the front differential is open, as before, and the rear has a conventional limited-slip differential. The R8 V10 Plus comes standard with a seven-speed S-tronic dual-clutch transmission. A new carbonfibre spaceframe has cut down kerb weight and Audi claims a topspeed of, gasp... 328kmph!



Audi SQ5

ANOTHER offering from Audi's stable at the Auto Expo, is the top model of the Q5 series - the SQ5. Under the hood, the SQ5 boasts of a bi-turbo, 3-litre, V6 diesel engine, making 308bhp and 650Nm of torque between 1,450 and 2,800rpm, mated to a fast and smooth-shifting eightspeed tiptronic transmission. Audi claims the SQ5 can clock the 0-100kmph sprint in just 5.1

seconds and reach a top speed of 250km/h. Apart from brawny power figures, the SQ5 features a Quattro all-wheel-drive system with torque vectoring.

On the inside it features electronically adjustable sport seats and an infotainment system. 20-inch alloys and S-badging on the door knobs, door sill trims and the welcome screen adorn the outside of the SQ5.

A6 Allroad Quattro

AUDI have updated the A6 family with a host of new engines, transmissions and infotainment system, all of which feature in the Audi A6 Allroad, making it more powerful and efficient. Showcased at the Auto Expo,

the A6 Allroad sports a higher ground clearance and stainless steel skid plates at the front and rear making sure the car is not limited to only the tarmac. The A6 Allroad also comes with adaptive air suspension as standard.



Audi A4

ALTHOUGH the all-new A4 looks surprisingly similar to the outgoing model, it is a completely new car. The new A4 is significantly larger than the outgoing A4 and will be one of the first cars to hit showrooms with Audi's new design language as it will feature a sharper outlook with eye-catching LED lamps, unique to the A4. Audi's signature hexagonal grille is also more prominent like on the new Q7. The minimalistic design approach continues from the outgoing car. The rear end gets new LEDs that

are a slightly streamlined version of the existing pair. The A4 will be a lot more fuel efficient than the outgoing version (21 per cent according to Audi) owing to its lighter weight and tweaked engines. The engines that could make it to India are the 2-litre TSFI petrol and the mainstay 2-litre TDI diesel unit as well. It is possible that the 3-litre TDI may be offered again, as the display car had that engine under the hood. The new A4 gets a seven-speed S-Tronic dual clutch gearbox for its front-wheel-drive layout.





BMW 7 Series

THIS iteration of BMW's flagship sedan may look like a facelift but it is actually an all-new car. The 7 Series now gets active air ride suspension that employs air springs in all four wheels, reads the road ahead and sets up the car accordingly.

The 7 Series is available in two engine options – a 3-litre V6 diesel and a 4.4-litre V8 petrol. The V6 produces 262bhp of power and

620Nm of torque. The V8 manages to squeeze out 443bhp of power and 650Nm of torque, enough to post a 0-100kmph sprint time of just 4.7 seconds. The sedan also features built-in wi-fi and gesture controls, wireless charging, a panoramic glass roof and a tablet in the centre armrest.

The 7 Series was launched at the Expo at a starting price of ₹1.11 crore.



BMW X1

THE X1 now sheds its estate-like looks and gets a more SUV-like stance similar to the facelifted X3 and X5. It is taller than the previous X1 by 53mm. Unlike the old RWD car, this one is built on BMW's new front-wheel-drive platform but still manages a 50:50 front-rear weight distribution. The two basic variants in the line up are available with FWD, while the top two get the BMW xDrive all-

wheel-drive system.

The X1 is powered by a 1995cc turbocharged diesel engine developing 188bhp of power and 400Nm of torque and it comes mated to an eight-speed automatic gearbox. The FWD variants manage a 0-100kmph sprint in 7.8 seconds while the AWD variants take 7.6 seconds.

The new X1 prices start at ₹29.9 lakh going up to ₹39.9 lakh.



■ Chevrolet Essentia

GENERAL Motors have announced that in the years to come, its primary objective would be to ensure the growth of their brand presence in the subcontinent. Spearheading this operation will be the Chevrolet Essentia, which is a four-door notchback, set to launch in 2017.

The Essentia is a compact sedan based on the same platform as the Beat. This notchback is a global product and has been designed at the GM Korean Design Studio, but the lead designer on the project is in fact Harish Kumar, an Indian. The floating instrument cluster is similar to the Beat's, but is positioned behind the steering wheel instead of above it.

This is not the production car, though it doesn't look like much could change before it does finally go into production. No details on the powertrain have been announced.

Beat Activ

THE Beat Activ is based on the Beat hatchback platform and concept, and has shared most of its components from the 2016 Chevrolet Spark, which was unveiled at the Seoul Motor Show in April 2015.

Other features include a skid plate, plastic cladding on the front bumper, fog lamps, flared arch wheels, roof-mounted spoiler and roof rails. The Beat Activ



Crossover will not have any direct rivals, but will go up against other crossovers like the Toyota Etios Cross, Fiat Avventura, and Hyundai i20 Activ.

Chevrolet Spin

THE seven-seater Spin will be Chevrolet's answer to the Honda Mobilio, Maruti Suzuki Ertiga and Renault Lodgy. The Spin is an upmarket MPV and compared to the Enjoy, is larger in dimensions, so we can expect it to be positioned at a slight premium. Expect a starting price of ₹7 lakh.





Datsun Go-Cross concept

BASED on the same platform as the Go+, the Go-Cross concept is the latest in an increasing line of compact crossovers. With its raised ride and body cladding, the Go-Cross Concept is appealing and we like how the basic shape of the Go+ lends itself well to a bit of muscle. Up front, it gets DRLs, high-set fog lamps and a nice looking bash plate on the chin. Bigger alloy wheels, roof rails and a roof-mounted spoiler complete the Go+'s transformation into the Go-Cross Concept, No mechanical details were revealed but if it does make it to production, expect it to be powered by the same 1.2-litre motor as the Go. In a meeting with the media, Vincent Kobe, global head of Datsun, said the Go-Cross was put out there to test reactions of the people who saw it. Well Vincent, we definitely like it.

Ford Mustang

FORD has finally decided to build right-hand-drive versions of the Mustang. This sixth generation iconic Pony will go on sale as a CBU with all the bells and whistles – the top of the line 5-litre V8. The good news is that this flagship sportscar comes with the performance package offered on the 2016 model year Mustang. The engine makes 420bhp and 529Nm of torque but sadly, Ford will only offer the Mustang with the 6-speed automatic in India however.

The Mustang for the first time gets independent suspension all round. The performance package includes chassis tuning, a larger radiator, heavy duty front springs, a larger rear sway bar and six piston Brembo front brakes. The Indian Mustang also gets 19-inch wheels, a torsen limited-slip differential and an aggressive front splitter. Yes, it's going to be mad.

It will go on sale in the second quarter of this year. We can hardly wait.



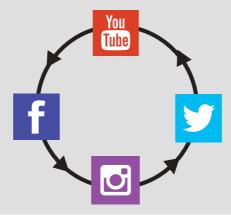
Auto Expo Social Media platform

THE organisers of Auto Expo devised a simple vet effective social media activation plan. The first step was to engage people before the Expo and create hype around the event. This was done by holding a Facebook contest from the 15th to the 31st of January 2016 and received 1,09,000 reach by the end. Posting updates and posts about the upcoming event on Facebook garnered a 35,000 reach. Auto Expo also had 92.7 FM as their radio partner which gave them a lot of coverage and the DTC, Indigo and Uber Cabs were travel partners. The first two days were reserved for the media and 1,901 media personnels registered were for the event. The Auto Expo app was launched for Android and iOS users, and over 10,000 people downloaded the app.

The Auto Expo saw participation from the glamour world. Katrina Kaif, Ranbir Kapoor, Alia Bhatt, Anil Kapoor and Akshay Kumar gathered quite the crowd during the launches. Sport personalities like Sachin Tendulkar, Virat Kholi and Zaheer Khan were in the limelight as well.

An added attraction was the lottery. 14 motorcycles were given away as prizes by Hero MotoCorp, TVS and Suzuki motorcycle.

This years exhibitors like Jaguar Land Rover, Volkswagen, UM Motorcycles, Honda Cars, HMSCI, Toyota, Jeep and many more



manufacturers retweeted and shared the offical posts.

The Auto Expo Facebook page was trending at the top from the 3rd to 9th February 2016. On the last day of the Expo, the Facebook page likes spiked upwards by 23.1 per cent, a total of 58,200 people visited the page during the week and the reach increased to 12.7 lakh.

This was the first time the organisers decided to live tweet about the events and launches at the Expo. This helped the official Auto Expo hashtag – #AETMS16 trend at the top and the followers increased from 6,200 to 10,100 in seven days.

This year YouTube videos took the cake. Various manufacturers, bloggers and the media uploaded live videos of the event, stalls, press conferences, launches and the general atmosphere. It was like a virtual tour of the Auto Expo, and over 28,000 views were clocked in a week.

Honda BR-V

NO, Honda didn't launch the BR-V at the Auto Expo. Based on the Brio and Amaze's platform, the BR-V is a sevenseat crossover that Honda hopes will take on the likes of the Duster and the Creta. It is an appealing car to look at with a wide chrome grille, projector headlamps and a nicely sculpted bumper. On the insides, the dashboard resembles the City and the Jazz and interior quality is a fair bit better than the cars it is based on. What it does have on its side is the ability to seat seven - two more than other SUVs in its category and has some storage space to spare. Power comes from 1.5-litre petrol and diesel engine, similar to the ones in the City, but Honda says they have been tweaked to suit their new roles in a people carrier. To launch by the second quater of 2016, priced between ₹9-14.





Honda Accord

THE 9th generation Accord will be launched in India in the 2016-17 financial year and we think this time, the Japanese carmaker will be a lot more aggressive with the positioning and variants.

The Accord on display was the petrol model. Honda will also

get the petrol-hybrid to India to compete against its arch rival, the Camry Hybrid considering the growing popularity of hybrids. The Accord Hybrid uses a Sport Hybrid i-MMD system that offers three drive modes and reportedly returns 30kmpl in test conditions.

Honda Jazz Racing concept

MEET the Jazz racing concept, Honda's take on what the Jazz will look like if it were to compete on a race track. There are no plans for a one make championship as of now but we sure would like one going by the modifications gone into this concept. It's all stripped out to reduce weight, gets a sporty body kit, racing livery, carbonfibre

accents, Bridgestone Potenza racing tyres and a fixed roofmounted rear wing.

On the inside, the Jazz racing concept loses all the fluff, gets a roll cage, Recaro bucket seats, a Momo steering wheel and a kill switch on the centre console. No powertrain details are available. Come on Honda, start a one make!





Honda 2&4 Concept

WHO wouldn't love a machine that combines the experience of a car and a bike into one dynamic machine? Well, the designers at Honda thought it would be an interesting concept to explore and ended up with the Project 2&4 concept.

The car is powered by an RC213V engine - the same

engine that powers Marquez's MotoGP bike, but has been modified to run on public roads. It is a 999cc engine in a V4 layout that makes 212bhp at a lofty 13,000rpm and 118Nm at 10,500rpm mated to a six-speed dual clutch transmission. It weighs in at just 400kg, making it nothing short of a ballistic missile.



Hyundai Tucson

HYUNDAI showcased their latest generation Tucson at the Geneva Motor Show and now the SUV is ready to make its way to India in 2016. The Korean manufacturer first introduced the Tucson to the Indian market in 2005 but discontinued it soon after due to low demand. The new Tucson looks like it will change all that. It fits in between Hyundai's compact SUV, the Creta, and full-size SUV, the Santa Fe, and is expected to be priced around ₹20 lakh (exshowroom Delhi). The Indian version of the Tucson is expected to come with both petrol and diesel engines and we expect the petrol will be a 1.4-litre turbocharged unit while the diesel is likely to be the 2-litre unit making 180bhp and 400Nm of torque. Like the Creta that offers a wide variety of powertrain options, we expect the Tucson to be offered with manual and automatic options. The AWD version is also expected to be introduced to the Indian market and though Hyundai has plans to start producing the SUV locally in the future, it will only be available as a CKD unit at launch. The only direct competition it really faces is from the Honda CR-V, but with its cutting edge looks and engine, and transmission options, the Tucson looks like it really has the armour to make waves this time around. Expect it to be in showrooms by the third quarter of 2016.

Hyundai HND-14 CARLINO

HYUNDAI'S take on the sub-4 metre compact SUV segment. It gives us a fair idea of what to expect from the Korean carmaker, especially from their future SUV line-up for India. When this concept goes into production, it will be an immediate rival to the Maruti Suzuki Vitara Brezza, Ford EcoSport and Mahindra KUV100.

Hyundai is tight-lipped about details of its new SUV but mention that the HND-14 will fall under the 4 metre mark which means

that the SUV will qualify for a lower excise duty bracket and could be powered by engines from the Elite i20.

What is interesting is that the HND-14 does not sport the usual fluidic styling cues of current generation Hyundai cars. There are fewer curves than we are used to seeing in Hyundais. Instead it is a mix of chunky shapes and butch elements and gives the HND-14 the kind of presence that attracts buyers in this segment.



Isuzu D-Max V-Cross

THE good news is, this is a lifestyle vehicle and can be registered as a personal vehicle (the current D-Max can only be driven if you have a commercial vehicle license). Meet the new D-Max V-Cross. Powered by a 2.5-litre 130bhp 320Nm diesel, mated to a 5-speed manual transmission, the V-Cross will only be available in 4x4 guise. With it, Isuzu plans to take on the likes of the Mahindra Getaway and the Tata Xenon. It's a small segment, but with the off-

road and adventure travel scene in India taking off, Isuzu believe there will be enough takers for this kind of vehicle.





Jaguar F-Pace

THE F-Pace is Jaguar's first SUV ever. It is a medium-sized SUV that Jaguar claims has more rear seat space than a Porsche Cayenne, and more boot space than a BMW X5, all within the footprint of a Porsche Macansized vehicle. Its basic platform is shared with the XE and XF, and the F-Pace is almost identical to its lower siblings till the B-pillar.

It gets a bespoke front subframe to accommodate the longer travel suspension that an SUV needs and almost 80 per cent of its body is made from aluminium. When the F-Pace is launched later this year, it will initially be available with the 2-litre ingenium diesel. Internationally, the top-of-the-line F-Pace as of now, is the 375bhp V6 from the base F-Type.

Jaguar XE

JAGUAR launched the XE in India at a starting price of ₹39.9 lakh, ex-showroom Delhi. This is JLR's most affordable offering yet and is the first car in the segment to use a lightweight aluminium-intensive monocoque chassis.

The XE will initially be offered only with a petrol engine – a 2-litre turbocharged, directinjection unit in two states of tune. The lower output model develops 197bhp of power and 280Nm of torque and if you are seeking a bit more performance, then you have the option of a 237bhp/340Nm unit for ₹46.5 lakh. This variant can do the 0-100kmph sprint in a claimed 6.8 seconds. Jaguar also has a new range of ingenium diesel engines that will find their way in to all JLR products. These will be introduced in the XE in the coming months.



Anti-Counterfeiting Group

SIAM'S AntiCounterfeiting Group (ACG) had teamed up with all major auto players in the India, and through a series of activities at Auto Expo had engaged with visitors in its quest to spread awareness about counterfeit products infiltrating the auto industry. On the second day for Auto Expo-The Motorshow 2016, SIAM unveiled the mascot for the Anti-counterfeiting campaign – Be Genuine, Buy Genuine, 'Asliman. A pledging wall was also displayed to convince the people to commit against fake. As a part of their on-ground campaign ACG conducted the Campus initiative that saw participation of more than 300 students from over 9 colleges from around NCR.









Jeep Wrangler, Grand Cherokee & SRT

THE Jeep brand officially commenced its India innings with ₹1400 crore worth of investment in parent company Fiat's plant at Ranjangaon, Maharashtra. Jeep says that its SUVs will go on sale by mid-2016 with plans for a new, made-in-India model that will join the line up in 2017. Jeep also said it has plans to launch a unique marketing campaign to differentiate Jeep from other 'Jeeps' when it starts sales. The plan is to start sales in key metro cities and then expand operations into tier 1 cities and there will be three products that will be initially offered - the Wrangler Unlimited, the Grand Cherokee and the SRT.

The Wrangler Unlimited has four bolt-on doors and a removable roof (it will be available as a soft top as well) and will initially come with a 2.8-litre turbo diesel engine good for 197bhp and a mechanical four-wheel-drive setup. A ladder frame chassis and live axles front and rear make the Wrangler a rugged and capable off-roader. Jeep will introduce the 3.6-litre 280bhp/347Nm petrol motor in the Wrangler later. It will come with a 6.5-inch touchscreen navigation system and an Alpine audio. As such, it won't be a bare bones basic off roader and yet still have hardcore off-road ability.

The Grand Cherokee is a full-size SUV that has a 3-litre V6 diesel sending 240bhp and 550Nm to all four wheels via a 8-speed automatic gearbox. It comes with Jeep's Selec-Terrain 4x4 traction management system that can direct up to 100 per cent of torque to any wheel. The Grand Cherokee will also be offered with the V6 petrol that the Wrangler is offered with. Creature comforts, depending on which variant you choose - Limited or Summit include a panoramic sunroof, a



heated steering wheel, SD card, USB and aux-in ports, navigation, Bluetooth connectivity, parking sensors, keyless entry, reversing camera, an electric tailgate and heated and ventilated seats.

For those who want a lot more firepower under the hood, the SRT Cherokee SRT is more up your alley. It takes on the likes of the BMW X5 M on the drag strip with a 6.4-litre HEMI V-8 under the hood developing 470bhp and 630Nm. It gets the necessary gofaster modifications including Bilstein adaptive dampers and retuned Selec-Track system for its various driving modes.



Mahindra XUV Aero Concept

THE AERO Concept represents Mahindra's slipperiest shape ever! Designed in-house at the Mahindra Design Studio, the Aero is a coupe crossover based on the XUV500, much along the lines of the BMW X6 and the Mercedes-Benz GLE Coupe. If it does enter

production, the XUV Aero will be Mahindra's most premium offering. It will come with multiple drive and suspension modes – race, off-road, street and sport. Under the hood is an allnew mHawk engine that makes around 210 horsepower.



Mahindra Reva e2o Sport

LOOKS really cool doesn't it? Meet the e2o Sport. Its 80kW electric motor makes more than four times the power that the regular e2o makes and will do the 0-100kmph run in 8 seconds. On a full charge, its 384V battery allows it a range of 200km. It looks so cool because to keep all the extra power in check, Mahindra had to widen the track, give it wider

tyres and lower the suspension. In the e2o Sport, all four wheels get disc brakes, but they sacrifice regenerative braking abilities in favour of quick stopping power for now. Interestingly, it features wireless charging and Mahindra says this is purely a tech demonstrator. So what say Mahindra, what about a one make race series with this thing?

Mahindra Thar Daybreak

THE Thar Daybreak Edition shares the same chassis and powertrain as the recently facelifted Thar, but it has a body-lift kit installed to help accommodate the massive 37-inch Maxxis Trepador mud tyres. It also features a four-tonne Bushranger

winch up front and a high-lift jack mounted on the left to help it out of sticky situations. Mahindra says the Daybreak Edition is a demonstrator of what Mahindra's customising wing, Mahindra Customisation, is capable of. It costs approximately ₹9.5 lakh.



SsangYong Tivoli

THE Tivoli is a compact SUV that was launched in Korean markets a year ago. The Tivoli has done rather well in the Korean compact SUV market since its launch, accounting for approximately 45 per cent of SsangYong's domestic sales. The Tivoli is SsangYong's first product after the Mahindra takeover in 2011. Based on SsangYong XIV (Air and Adventure) concepts shown at the Paris motor show in 2014, the

Tivoli merges sporty styling of the XIV-Air concept with the more off-road stance of the XIV-Adventure concept. SsangYong haven't announced launch plans yet, but Tivoli test mules have been spied on Indian roads in the past few months, and this indicates the launch could be sometime soon. The Tivoli slots in to the compact SUV segment and will face stiff competition from solid products like the Duster and Creta.





Maruti Suzuki Vitara Brezza

WITHOUT a doubt the most important launch of the Expo, the Brezza is important for the fact that this is the first vehicle by Suzuki, to be designed in India, with an Indian chief engineer – C V Raman. Three and a half years in the making, the compact SUV will compete against the Ford EcoSport and the Mahindra KUV100 and will be launched

next month. Powering the Brezza will be the same 1.3-litre DDiS 200 diesel engine that does duty in the Swift and Baleno mated to a 5-speed manual transmission. It develops 88.5bhp of power and 200Nm of torque. Important bits already revealed are 198mm of ground clearance, a 328-litre boot and large 16-inch wheels with wide 215 section tyres.



Baleno RS & Ignis concepts

MARUTI Suzuki showcased two interesting concepts at the Expo—Baleno RS and Ignis. The former is going to be the hot hatchback version of the Baleno and will come with Suzuki's new 1-litre Boosterjet turbo-petrol engine that is said to develop about 110bhp and 170Nm. They have announced that the Boosterjet engine will play a crucial role in Maruti Suzuki's future plans in the country.

The Ignis shares its platform with the Baleno and looks a

lot closer to production now. Internationally, the Ignis gets Suzuki's SHVS hybrid tech; so expect it to be one of the first budget hatchbacks to get the micro-hybrid technology.



Styling and Design Conclave

THE tenth edition of the Styling and Design conclave marked the opening with the overall theme, "Design for India" looking at Design as a significant contributor to 'AMP 2026' and eventually to 'Make in India'. Eminent speakers



such as Rajeev Sharma, Head–Proto Hero Motor Corp; Adil Jal Darukhanwala, Editor in Chief, Zeegnition; Pratap Bose, Head of Design, Tata Motors; Gaurang Shah, HOD Transportation Design, MITID, Pune and Saurabh Singh, Head of Design Studio, Maruti Suzuki, presented different trend reports, case studies and spoke about the importance of design in sustaining a brand's value.

Part of the conclave is a styling and design challenge with the objective to showcase the future of design in the automotive industry. The first prize was bagged by Gaurav Nandi from MIT, Pune, the runners-up trophy was won by Aaditya Hari of NID, Ahmedabad while Gautam Muthuswamy, DSK-ISD Rubika, Pune won the second runners-up trophy.

Auto Trade Dialogue

SIAM had organized its 7th Auto Trade Dialogue on 2nd February 2016 in Greater Noida. Over the years, the Trade Dialogue has turned out to be an excellent platform for networking and exchange of information and



ideas. This year the theme for discussion was "Auto Industry – Performance, Policy & Regulatory Framework". The Event saw participation of Auto industry leaders from Canada, Japan, India, Korea, the UK, the US, and Malaysia.

Among the guest speakers were Mr. Brad Duguid, Minister for Economic Development, Employment AND Infrastructure, Govt. of Ontario, Mr Yong-Geun Kim, President, OICA and, President & CEO, Korea Automobile Manufacturers Association (KAMA), Mr Yoshihiro Yano, Vice President, International Affairs, Japan Automobile Manufacturers Association (JAMA), Datuk Aishah Ahmad, Chairperson, Automotive Federation of Malaysia (AFM), Mrs Tamzen Isacsson, Director for Communications and International, Society of Motor Manufacturers and Traders (SMMT), UK and Governor Matt Blunt, President, American Automotive Policy Council (AAPC), USA. Dr Surajit Mitra, Director & Vice Chancellor, Indian Institute of Foreign Trade also addressed the gathering and participated in the conference.



Mercedes-Benz GLC

MERCEDES-BENZ has finally brought the Q5 and X3-rivalling SUV, the GLC, to India. The GLC is an international replacement for the GLK-Class that could not come to India as it was only engineered for left-hand-drive. With it Mercedes will now have more SUVs than any of its competitors. The GLC we are getting will be the GLC300 and that means it will

come with a 2-litre turbocharged four-cylinder engine and Merc's nine-speed automatic transmission. It is also equipped with nine airbags, including a driver's-knee airbag, and a weight mat, not a transponder, to deactivate the front passenger seat airbag when a child seat is installed. The GLC will go on sale later this year.

■ S-Class Cabriolet

MERCEDES-BENZ showcased the S500 Cabriolet and is all set to launch it in India towards the end of this year. This is the first droptop S-Class since the last model was discontinued in 1971. It is as long and wide as the S-Class Coupe and despite the additional chassis reinforcements, Mercedes has managed to keep its weight similar to its hard-top sibling through the extensive use of magnesium and

aluminium. The Cabriolet also holds claim to having the longest soft-top roof on any production car in the world. Under the hood of the car displayed at the Expo was a 4.7-litre twin-turbo V8 developing 449bhp of power and 700Nm of torque. Power is sent to the rear wheels and it comes with all the luxury trappings you would expect in a full-size S-Class.





Maybach guard

IT'S all hand-built, can withstand small ammunition fire and even mortar attacks with its VR9 certified armour. It can also, to an extent withstand IED attacks under the car. It gets Airmatic suspension with reinforced air springs up front and a set of auxiliary steel springs at the rear, and its self-levelling program takes into account the reduced

ground clearance from the underbody armour. It gets an onboard fire extinguishing system and an oxygen system that seals all exterior vents and provides fresh air to the occupants in case of a chemical attack. The brakes are upgraded and even the ESP and ABS are reprogrammed to handle the extra weight. Expect a price tag of about ₹12 crore.

G 500 4×4²

APPARENTLY, there are a few people on earth who found the G63 AMG 6x6 a bit too ostentatious. The G 500 4×4² then, is what they need. It has one less axle, is a lot quieter and, in this shade of alien blood green, quite sober as well.

We love it. Under the hood is Merc's new 4-litre twin-turbo V8 that makes a mere 410bhp and it will propel this two metre tall hammer to a top-speed of 208kmph. It is virtually unstoppable with its 450mm ground clearance (thanks to portal axles), one metre depth water-wading abilities and no less than three differential locks (front, centre and rear). It runs two spring damper struts in parallel at each wheel and has Sport and Comfort modes.



Motormind Hyperion 1

IT looks like it should be in Gran Turismo 6, doesn't it? Meet the Motormind Hyperion 1. Built to showcase the design, conception and prototyping skills of Bangalore-based Motormind Automotive Designs, the Hyperion 1 is an open-wheeled, trackfocussed car. Shahid Haq, the man who designed and engineered the Hyperion 1, says he always wanted to build a car and now he's

done it. It took his team three and a half years to build it and it has a mid-engined, rear-wheel-drive layout and a spaceframe chassis that has been designed completely in-house. The suspension is double wishbone and has coilovers front and rear. It is a running prototype and is currently powered by a Toyota 2.7-litre V6 petrol driving the rear wheels through an automatic transmission.





Road Safety Awareness

THERE is a growing concern for road safety in India and SIAM has taken a step in the right direction to spread awareness by conducting flash mobs and street plays to educate people about road safety. NGOs like Road Safety and Emergency Services (RoSES) also took up the initiative to spread awareness and conducted puppet shows, showcasing different steps to be taken in case of emergencies on the road. These plays received a healthy response from the Auto Expo visitors who gathered in large numbers.

Nissan GT-R

WE are happy to announce that Godzilla will be in India by September this year. With sophisticated four-wheelits drive system and 542bhp from a 3.8-litre twin-turbo V6 mill, the GT-R clocks a 0-100kmph time of 2.5 seconds, a feat matched by a certain Bugatti Veyron. To make matters more interesting, it lapped the hallowed Nürburgring Nordschleife track in 7 minutes and 8 seconds flat, the fifth fastest car ever around the 'Green Hell'.

Each R35 GT-R is unique in its own way as each engine block is built by a single engineer at Nissan, much like Mercedes-AMG engines. The GT-R won't be cheap, we expect it to cost around ₹2 crore. Nissan said they took a long time to bring this halo model to India because of a lack of service infrastructure to support the car. The company is now investing in training technicians and upgrading the service centres of select dealerships.





Nissan X-Trail

NISSAN also showcased the X-Trail scheduled to hit the market this year. This one looks far sleeker than the boxy shape of the old one, and the styling is more in line with that of the Juke and Murano. The new X-Trail. unlike its predecessor, will feature a petrol hybrid powertrain and like its predecessor, will feature Nissan's electronic 4WD system which can be operated on the go. The SUV will be brought in as an import and there are no plans of local assembly for the time being, which means it will again be quite expensive. Expect prices around the ₹32-35 lakh range making it considerably more expensive than its immediate rivals. Nissan says they aren't chasing numbers with the X-Trail.



Duster facelift & AMT

THE Duster gets a completely re-designed front end with some tweaks making their way to the rear as well. The dated headlamps have been revised with a new set and it also gets new fog lamps, gunmetal finished five-spoke alloys, 'Kayak' roof rails and electronically folding ORVMS with integrated turn indicators. In the rear, the existing tail light cluster has been replaced by what Renault christened 'waterfall' LED turn lights.

It is now available with three new interior trims which include an all-black option for the AWD model, and cedar wood and fabric interior trims for the premium models. The centre console features a new Media-Nav infotainment unit, climate control and a reversing camera.

There's also an automatic version featuring a 6-speed AMT. Renault will introduce the Easy R AMT only with the front-wheel-drive variant of the Duster.

Kwid 1.0 & AMT

RENAULT showcased the Kwid with a host of new upgrades at the Expo and the biggest news is under the hood. A 1-litre engine will join the Kwid's line-up in a few months from now. With it will come a new Renault developed AMT gearbox based on the current five-speed manual unit. Also on

display are two concept spinoffs – the Kwid Climber which is a Kwid with an off-road theme; chunky tyres, flared wheel arches et al. And the Kwid Racer, a terrific looking Kwid that has a four-point harness, bucket seats, a roll-cage and a ground-hugging body kit that makes it look fit for the track.





Toyota Innova Cyrsta

THERE'S soon going to be a new Innova in town and it will be called the Innova Crysta. It is built on Toyota's new global architecture that also underpins the new Fortuner. It's a ladder frame chassis and not a monocoque design like the fresh crop of lightweight MPVs launched in India in the recent past, and it's the ladder frame that

gave the Innova its robustness. While specifications of the Indiabound Innova aren't out yet, we know it will come with a new set of petrol and diesel engines. The petrol could possibly be a 2.7-litre unit while the diesel is the one we are excited about. With 46bhp more than the current Innova, the new 2.4-litre unit will make it a better cruiser.

Toyota Prius

TOYOTA unveiled the fourth generation Prius at the Auto Expo and confirmed that the new hybrid will make it to India. The new Prius is the first car to be built on the TNGA platform, a new flexible modular platform that will be seen on future Toyotas. The new car features a 1.8-litre petrol engine and an electric motor mated to a CVT. The car comes with three driving modes — Eco, Power and Normal, all available at the press of a button. The car gets start/

stop and regenerative braking to charge the battery that allows the Prius to run in all-electric mode when starting off. Toyota claim that the Prius managed to squeeze out 40kmpl in Japanese tests but they will reveal Indian ARAI figures closer to the launch date.

The Prius is not the only hybrid that Toyota has on sale in India. The Camry hybrid is assembled in India and gets a 2.5-litre petrol and an electric motor that combine to give a total of 202bhp.





Tata Kite 5

TATA Motors unveiled the Kite 5 - a sub-four metre sedan based on its Zica hatchback. The compact sedan sits under the Zest and shares the 1.2-litre Revotron turbo petrol and 1.05-litre diesel that comes with its hatchback sibling. Gearbox options include a fivespeed manual and a five-speed AMT. Embodying Tata Motors IMPACT design language, the

Kite is, as Tata Motors say, a break free, coupe silhouette. Subtle tweaks to the grille in the front, differentiate it from its hatchback sibling, and the rear has a wellexecuted notchback design with sporty looking bumper vents. The interiors are similar to the Zica, carrying the same sporty theme with similar equipment levels as it's hatchback sibling.



Tata Hexa

IN the making for some time now, the Tata Hexa is the replacement to the Tata Aria. Not far removed from its predecessor, the Hexa is based on the same platform but with improvements on the dynamic front. However, styling on the surface has been radically changed. Though it retains the MPV-like dimensions, the overall styling is much more SUV-like

with butch lines and side cladding.

Underneath the hood lies a 2.2-litre turbocharged diesel engine that also features on the recently launched Safari Storme Varicor 400. Making 154bhp and 400Nm of torque, it is mated to a new six-speed manual transmission and it also gets an automatic gearbox as an option in the Hexa.

Tata Nexon

TATA Motors' styling team seem to have pulled a rabbit out of their hats and all the launches at the stand looked excellent with the Nexon clearly stealing the show with its new 'Impact' design language.

The proportions are very well executed, the black roof with blacked out pillars add a touch of Evoque to the overall look, while the white band at the base of the window line that runs to the tail gate, is a stand-out element. We hope the latter carries over to the production SUV.

On the specifications side we know that it will be under four metres in length, will be powered by the same turbo-charged 1.2-litre Revotron petrol engine in the Zica, and the diesel will be an under-development 1.5-litre unit that develops 108.5bhp of power.



Bolt Sport

BUILT in collaboration with Javem Automotives, the Bolt Sport, as the name suggests, is a performance oriented version of the Bolt hatchback.

The Sport is powered by the same 1.2-litre Revotron engine as the Bolt but gets a remapped ECU. The result is a bumped up power and torque figure - 108.5bhp and 170Nm, about 20bhp and 30Nm more than the stock car. It also gets a sportier bumper, body kit and large 17-inch wheels. Tata Motors say the Bolt Sport will do the 0-100kmph sprint in 12 seconds.

Unlike rivals like the Volkswagen Polo TSI and Ford Figo 1.5, the Bolt Sport will get a 5-speed manual gearbox. This could be one interesting hot hatch!



Volkswagen Ameo

THE Ameo is based on the Polo hatchback and shares the same wheelbase – it does not have the extended wheelbase of the Vento sedan. However clever optimisation in the cabin like the front seats with aggressively scooped out seat backs does deliver a little more space inside the cabin. While the rear seat may not be the most spacious in its class, the boot definitely is one of the largest.

The Ameo will be available with both petrol and diesel engines. The petrol car will be powered by the 3-cylinder 1.2-litre MPI engine mated to a five-speed manual transmission. Meanwhile, the

diesel car will feature the new four-cylinder 1.5-litre TDI engine and gets the option of a five-speed manual or VW's seven-speed DSG gearbox. The latter is a segment first.

Up front, the Ameo is distinctively a VW and you will mistake it for the Polo or Vento. But viewed from the side, the boot is short and stubby to come in under the four metre mark. The front bumper has also been reworked to meet the overall length requirements.

Just like the Polo, the Ameo comes with dual airbags and ABS as standard across all variants. It also gets first-in-class features like cruise control, rain-sensing wipers



and static cornering lights. Other features include a rearview camera, parking sensors, cooled glove box and rear AC vents. The cabin isn't very different from a Polo's, but the touchscreen infotainment system is a new addition.

The Ameo is Volkswagen's first car that has been

specifically designed for the Indian market and all the prototypes were built in India. It will be manufactured at VW's Chakan plant near Pune and will cater mainly to the Indian market. Volkswagen haven't unveiled prices yet, as the launch is scheduled in the second half of the year.

Volkswagen Passat GTE

A PASSAT that rivals a Splendor on fuel economy? Yes, you read that right -Volkswagen's claimed fuel efficiency figure for the Passat GTE is 60kmpl and if that hasn't got your attention, we don't know what will. As you've probably guessed, the Passat GTE is a hybrid and uses two power sources. Conventional power comes from a 154bhp 1.4-litre TSI petrol engine and this, along with an electric motor that's sandwiched between the petrol engine and the six-speed twin-clutch transmission endows the GTE

with a very healthy 215bhp.

Volkswagen says it can run purely in electric mode for 50km on a full charge, that it has a hybrid mode that wakes up the petrol motor when needed and a full power GTE mode that lets the car sprint to 100kmph in 7.5 seconds. The GTE's 9.9kW lithium ion battery (that sits under the floor) can be charged via a regular electric plug socket and it takes about four hours to get a full charge. You can expect it to cost around ₹40 lakh and VW savs the Passat GTE will be more of an experiment and a statement.





Volkswagen Polo GTI

OK, the bad news first. Thanks to it being a full import, the Polo GTI will be priced north of ₹20 lakh. On to the good news then. Michael Mayer, director, Volkswagen passenger cars India, says that they want to keep the car pure that they want to offer a genuinely quick car that offers technology and comfort and that's exactly what the Polo GTI will be when it is launched here circa mid-2016. Under the hood is the 1.8-litre TSI engine packing 189bhp that drives the front wheels through Volkswagen's seven-speed, twinclutch automatic. There will be no manual on offer. In this guise, VW claims a 0-100kmph time of 6.7 seconds, making the Polo GTI the quickest hatchback in the country by far and says it will hit a top speed of 235kmph. There's a brakebased limited-slip differential on the front axle, wider tyres and stiffer springs. VW says the car will be raised slightly for India to help it go over our roads better but other than that, remains identical to the European car. The Polo GTI will also come only in three-door guise.



APRILIA SR 150

THIS is Aprilia's first scooter for the Indian market - the SR 150. The moto-scooter will be a first of sorts for the Indian market and with it, they will test the feasibility for bigger scooters to be launched here. The SR 150 is a cross between a motorcycle and a scooter with large 14-inch wheels, the key focus to entice the youth of the country. The

150cc engine should be peppy enough and judging by the looks of it the SR 150 will be agile and nimble, making it a pleasure to commute within the city. The SR 150 gets a 220mm front disc and 140mm rear drum brake setup. The scooter will be manufactured at Piaggio's plant in Baramati, Maharashtra. It will be launched in the coming months.

BMW G 310 R

THIS has to be one of the softest showcases done by a manufacturer at the Auto Expo. The BMW G 310 R has to be the most important bike for BMW Motorrad India as they will be officially entering India this year and the G 310 R will be their entry-level offering.

Powering the BMW G 310 R is a 313cc liquid-cooled single cylinder. The engine produces 34bhp at 9500rpm and 28Nm of torque at 7500rpm. Interestingly, the engine has the intake at the front of the cylinder and exhaust port at the back to make for a shorter exhaust routing and better weight balance. Designed specifically for the world market, the BMW G 310 R can run on the most diverse fuel qualities.

The BMW G 310 R weighs just 158kg so that should keep things lively at the performance front. The chassis is a rigid tubular steel frame with upside down front forks and a long swingarm for a higher degree of stability and is skewed more towards relaxed riding with a low seat height and comfortable seating position. The braking front features a 300mm single disc with radially mounted calipers up front and a 240mm disc at the rear with ABS as standard. BMW Motorrad will utilise a portion of existing BMW facilities to sell and service the bikes.





DSK Benelli Tornado 302

DSK BENELLI'S newest addition to their line up, is the fully-faired Tornado 302. The Tornado will share a lot of its underpinnings with the TNT 300 naked bike and in addition to the fairing, gets clip-ons. Its twin cylinder

mill makes 36bhp and 27Nm of torque shifting its 180kg weight. The Tornado 302 is likely to hit the market with a slightly premium ₹3.2 lakh price tag and is possibly the first of fully-faired DSK Benelli bikes that might follow.

DSK Benelli TRK 502

ONE motorcycle that stood out at the Expo in the Benelli lot was the TRK 502 - an adventure motorcycle.

The TRK 502 will be powered by a newly developed 500cc parallel twin engine, which will be able to churn out 48bhp at 8,500rpm and 45Nm of torque at 4,500rpm, mated to a six-speed gearbox.

The 502 looks decidedly

adventurous with the twin headlamps, tall wind screen, beaky fairing, upside down front shocks, knuckle guards on the handlebar and engine under-body protector. The 230mm ground clearance will ensure that rough terrain will not be a problem. The TRK 502 gets a 20-litre tank promising a decent range for touring purposes.



Hero MotoCorp XF3R

THE Hero XF3R concept bike will be the basic underpinning for all the future Hero bikes above 250cc. Interesting features such as the sculpted tank, trellis frame, an upswept exhaust and single-sided swingarm are unique elements

which just might trickle down in to production versions. Future engines might be liquid-cooled. The concept though, is purely a styling exercise. The actual production variants will only come in 2018.



Xtreme 200S

THE Xtreme 200S now gets a new 200cc engine with the addition of ABS and monoshock rear suspension. The bike on display gets funky twin-tone graphics and is slated for a 2017 launch.

The engine is completely developed in-house and is Hero's first engine beyond 200cc It

makes 8.3bhp at 8,500rpm and 17.2Nm of torque at 6,000rpm. The company states that with more torque available lower down the powerband, the Xtreme will be a lot more user-friendly than other 200cc motorcycles in the segment. The Xtreme will also be the first Hero motorcycle to feature ABS.





Splendor

MOVING on to the Splendor, the best-selling bike in the world gets a new 110cc 'TOD' engine in its latest iSmart *avatar*. 'TOD' stands

for 'torque on demand' indicating a more torquey mill. The new motor is already future emission regulation ready.



HX250

WHEN the Hero HX250 was showcased this year again, we were told that the much awaited Hero would finally make it to showrooms sometime in the very near future. From what we know, the quarter-litre Hero is likely to weigh around 136kg which is quite light for a fully-faired 250cc bike. With such a low weight, the claimed 31bhp starts to look even more appealing.

Hero claims the HX250 will cross the 60kmph mark in under 3 seconds. The HX250 will come equipped with Pirelli Sport Demon tyres along with a host of upmarket features like twin projector headlamps with LED daytime running lights, LED taillight, digital speedometer, clip-on bars and a split seat. Two riding modes will be on offer – City and Sport.

Honda Navi

MEET the Honda Navi; half motorcycle, half scooter and, according to Honda, a whole bunch of fun at just ₹39,500. Honda's headliner at the Auto Expo 2016 has been designed from the ground up to be an easy and fun mobility solution, taking on the youth-driven scooterette section of the Indian automotive market.

As far as looks go, the Navi's designers seem to have taken cues from dirt bikes, mini-bikes,

mopeds and scooters, and mixed them all up. The end result is a slightly odd yet interesting motorcycle. There is however, a storage bay where the engine on a motorcycle usually is, and the engine - like on most scooterettes – is mounted near the rear wheel.

Due to its compact dimensions, the Navi tips the scales at a scant 101kg. Powering all this is the 110cc HET four-stroke SI motor from the Honda Activa, which makes about 7.8bhp @7000rpm.



Honda Africa Twin

ONE of the most iconic adventure bikes on the planet, the 2016 Africa Twin has been unveiled at the Expo and will make it to Indian markets very soon.

The 2016 CRF 1000L Africa Twin has been styled keeping in mind the 1988 classic with its upright stance and twin headlights. It is powered by a 998cc in-line twin engine that makes 94bhp and 98Nm of torque. Being an adventure bike, it gets 250mm of ground clearance. Apart from the standard bike with its six-speed manual, the Africa Twin also gets Honda's dual clutch transmission (with ABS and traction control). The DCT unit

has a manual override and gears can be shifted through triggers on the left handlebar. The traction control on the Africa Twin has four modes, including one that allows the rider to turn it off completely. The fully adjustable 45mm Showa inverted forks up front get 230mm of travel while the rear wheel can travel 220mm.

While Honda haven't announced what they are pricing the Africa Twin at, they have announced that it will be brought to the country as a CKD, and this should reduce the price considerably. Nevertheless, it will not be cheap and may be priced around ₹16-17 lakh.

Indian Roadmaster

NOT to be left out from the slew of launches at the Expo, Indian Motorcycles have added two new motorcycles to their existing lineup. The top-of-the-line Indian Roadmaster now comes available in a dazzling blue paint scheme called Blue Diamond, and the Indian Chief Classic is now available in pearl white.

Both the Roadmaster and the Indian Chief Classic will retain the Thunder Stroke 111 engine that churns out 139Nm of torque at 2600rpm and is quite a refined and torquey engine.

The Roadmaster comes loaded with features like cruise control, ABS, keyless start, remote locking saddle bags and trunk, tyre pressure monitors, a 200 watt stereo system with FM and Bluetooth connectivity, and heated seats and grips.

Both bikes are more than capable tourers and ever since sales for the Indian started in the country, they have been giving their competitors at Harley-Davidson a run for their







Mahindra 2 Wheelers

TAKING after the concept of Harley-Davidson's H.O.G chapters, Mahindra have announced the Mojo Tribe that should bring together fellow Mojo owners and make them part of an exclusive owner's community. Owners can connect with each other on Mahindra's dedicated Mojo Tribe website or through the

Mojo Tribe app. Mahindra also showcased two Mojo concepts.

Mahindra also unveiled the Genze 2.0, an all-electric scooter concept with a removable 1.6kwh lithium ion battery that fully charges from zero in a mere 3.5 hours. It has a range of 48 kilometre. The scooter's battery can easily be taken out and plugged into a 110 volt electric socket to be recharged. The vehicle is designed to communicate with your smartphone and all sorts of parameters including range, charging status, running diagnostics and theft warnings are accessible from your personal device.

By far the biggest eye-grabber at the Mahindra stall is the new

Moto3 bike, the MG3PO. The bike has been developed at Mahindra Racing's European headquarters in Besozzo, Italy. It features a new engine and gearbox, and the chassis has been refined considerably. Mahindra currently are now a constructor, and have got a total of eight bikes on the grid this season.



■ Peugeot Metropolis

LIKE the MP3 and the Neowing, the Metropolis is Peugeot's offering to the tilting three-wheeler crowd. It is powered by a 399cc single-cylinder engine making 37 horses mated to a CVT transmission. Features include keyless ig-

nition, tyre pressure sensors and a parking brake. There is currently no classification for vehicles like this in India and it won't be cheap though the added safety of a tilting three-wheeler could prove quite useful on our unpredictable roads.

Piaggio Vespa 946

WHEN Vespa launches the 946 here, it will not be cheap. Estimates put it at around ₹8 lakh, so you are virtually giving up the chance to own a Ducati Scrambler for this rolling piece of art. Under its shapely rump is a 155cc engine that makes 12.7bhp which, you will agree, is not much bang for a lot of bucks. However, that's not what the 946 is about. It's about

style, it is about the forgotten art of labour intensive builds – it has no less than 320 welds on its Vespa signature monocoque chassis. If you're wondering why it is called the 946, it is because its shape resembles the 1946 MP6 prototype. It even comes with electronic traction control because you wouldn't want to drop a ₹8 lakh scooter would you?





Suzuki Access 125

THE Access 125 has been quite a good scooter to ride. As part of the update for 2016, Suzuki has gone the whole nine yards to completely revamp the scooter.

The new design now looks more premium and contemporary. The squarish headlamp with the chrome garnish looks retro - a theme every manufacturer worth his salt seems to be toying with.

In place of the old one is an allnew scooter which is powered by a 125cc engine which Suzuki has built from the ground up with lessons learnt from their MotoGP iaunts (so claim Suzuki!). The

result is a motor with more lowend grunt, ideal for quick city commutes. The bike comes with the company's patented Suzuki Eco Performance (SEP) feature. The Access 125 gets a larger 12inch front tyre, Suzuki's easy start system and service indicator.

The Access and the Gixxer are Suzuki's most successful offerings in India right now and updates on these lines should help the two wheeler manufacturer to compete in the fast evolving segments.

Expect the bike to be priced at a slight premium over the earlier version.



Bonneville, Street Twin

THE new Street Twin is a modern take on the original British Bonneville design. The round head-lamp, the single circular console panel and the round mirrors have been well integrated to fit the bike's persona. The minimalistic body panels gel well with the iconic Bonnie design. The new 900cc high torque engine produces 80Nm of torque, 18 per cent more than the previous generation.

In contrast, the Bonneville T120 echoes a simpler design. The modern classic is designed to look just like its 1959 model when the Bonnie was born. There is a lot of chrome on the grab-rails,

wheels and the two exhausts. completing the iconic design theme. Immaculate attention to detail has gone into the bike to get the look right.

This year onwards, the entire Triumph India range will get ABS as standard. All three bikes get ABS and ride-by-wire, traction control, slip-assist clutch system and, on the 1200cc machines, three riding modes - road, rain and sport. The Street Twin is priced at ₹6.90 lakh ex-showroom Delhi and will be rolled out of the showrooms next month. The Bonneville T120 is priced at ₹8.70 lakh with deliveries starting in the month of April.

Suzuki Gixxer

THE Gixxer was our favourite 150 of last year, and it was really not like it was lacking in much to sweeten the deal. However, Suzuki have, chosen to go the extra mile with the Gixxer to make it even more appealing to prospective customers. The Gixxer and the Gixxer SF will now be available with rear disc brakes as an option and that should improve braking by quite a lot. The regular

Gixxer comes a carbureted Suzuki Eco Performance (SEP) tuned engine. It's faired sibling, the Gixxer SF however now gets fuel injection. Fuel injection improves throttle response and reduces fuel consumption translating to a better riding experience.

In addition, the Gixxer will get two-tone colour schemes to freshen up what is already a good looking motorcycle.





TVS Akula 310 concept

THE Akula was designed as homage to TVS's racing division that has been around for 33 years. The front fairing, which is made entirely from carbonfibre, has been designed by TVS in a wind tunnel to ensure the least amount of wind resistance. The Akula derives its motor from the BMW G 310 R's 313cc liquid-cooled motor, which means that it makes

34bhp and about 28Nm of torque. Uniquely the cylinder head is also canted backwards for a better exhaust routing, which also aids in better weight distribution. That aside, the Akula will use a die-cast alloy swing-arm, monoshock rear suspension, upside down front forks, radial brake calipers and a steering damper. Expect the design to flow in their future bikes.

LAUNCHED

UM International

UM INTERNATIONAL has entered the Indian market in collaboration with Lohia Auto. Out of the slew of motorcycles that they promise to launch over the next year, the first one to break cover is their Renegade series. The Renegade is a low-slung cruiser with a 279cc watercooled single-cylinder engine. UM has unveiled three variants

of the Renegade, namely the Classic, the Commando and the Sport S. All variants will share the same engine and will only differ in cosmetic detailing. They will come with an 18-litre fuel tank and will tip the scales at 172kg.

The Renegade Classic, Commando and Sport S will be priced at ₹1.49, ₹1.59 and ₹1.69 lakh respectively.

■ TVS X21 concept

THE TVS concept racer, the X21 is based on the inherent racing DNA of TVS Motor company.

It is based on the newly-launched Apache RTR 200 and is a design study for future TVS One Make bikes. With its full fairing and low clip ons, we'd love to have a road-going version of this concept. The concept gets a high revving 212.4cc, 4 valve, twin oil-

cooled, fuel injected motor that has been worked to race-spec by TVS Racing. It gets a twin flow discharge muffler. The bike gets a lightweight and compact track derived chassis to aid handling. The X21 gets a monoshock at the rear and telescopic forks in the front. What will interest you is, the styling previews the look of future Apache's in a faired avatar.



Yamaha MT-09

YAMAHA made its big bike foray into the Indian market way back in 2008 with the R1 and the MT-01 which was discontinued in 2010.

Now, after six years we finally have a new MT to fill the void. The MT-09 will be Yamaha's challenger to the Kawasaki Z800 and the Triumph Street Triple. It is powered by a three-cylinder,

liquid-cooled 847cc engine that makes 83bhp and 87Nm of torque. Its all-aluminium chassis makes it a relatively light bike and its upright riding stance should prove to be comfortable.

The MT-09 will come to India as a CBU and will cost ₹10.20 lakh ex-showroom Delhi. We hope the bike paves the way for the the MT-03 and the MT-10.



Ashok Leyland

THE star of the Ashok Leyland pavilion was the 4940 Euro 6 truck. Euro 6 norms demand a dramatic reduction in NOx and particulate matter - as low as one-tenth compared to existing Euro 3 norms. The 4940 Euro 6 truck does this using innovation developed indigenously offers world-class norms at Indian costs. Its 6-cylinder diesel engine is rated at 395bhp, and 1600Nm of torque is delivered to the rear axles via a 16-speed gearbox. It can haul around 49 tonnes (GVW). To keep this behemoth in check is an electronic braking system and electronic stability control while the cabin also gets a host of features.

The HYBUS is India's first non plug-in hybrid bus, in the sense it does not require external power supply to charge its batteries but harnesses energy from engine braking. It is designed for urban transport with start-stop cycles where its hybrid-diesel powertrain uses ultra capacitors to power an electric motor that assists the diesel motor with auxiliary power thereby reducing strain on the engine. This and the start-stop system improve fuel consumption savings by 25 per cent and also reduce emissions. On its own, the 6-cylinder diesel makes

800Nm of torque, though the electric motor makes a whopping 3600Nm. Ultracapacitors are 4 to 5 times more durable than the conventional lithium ion batteries used in conventional Hybrid systems.

The Guru enters intermediate commercial vehicle segment with a lot of strengths. For starters, it has the lowest kerb weight by use of aluminium alloy wheels and aluminium load body fitments and yet it offers the highest payload capability in its segment thanks to a load body that offers the maximum volumetric capacity. The H-series CRS engine claims to offer best-in-class mileage while the fuel injection system helps lower maintenance costs with better service intervals and lower lube consumption.

The Sunshine school bus primarily focusses on the safety of its minor occupants. To ensure utmost safety of Sunshine's occupants, it is rollover compliant and frontal crash protected. The school bus gets i-ALERT - a state-of-the-art tracking software. Furthermore it gets lowest fixed comfortable seats, anti-skid flooring, fire retardant and anti-bacterial interiors and, internal surveillance cameras. It will be available in a 40- and 50-seater version





Atul Auto

ATUL Auto Ltd unveiled its premium range of three wheelers that run on diesel and CNG. While the diesel ones will be sold under the Atul Gem brand name, the CNG autos will sell under the Atul Gemini CNG brand name. They also showcased a unique concept auto called the Proto model at their pavilion at the Expo and plan on introducing it in to the market in the next few years.

Atul Auto offers both front-

engined and rear-engined three-wheelers for passenger use and cargo transportation. Their product range of Atul Shakti and Atul Gem have been doing rather well, having sold over 2.75 lakh units in the rural and semi-urban markets. Atul Auto has an annual production capacity of 60,000 units and is planning to expand its capacity by another 60,000 units through a plant in Ahmedabad, Gujarat.



Force Motors

FORCE motors unveiled six mobility solutions based on its new Traveller which is now one tonne lighter thanks to its monocoque structure and pressed steel body. The manufacturing process uses robotic automated welding that improves build quality considerably. The body is painted via a Cathodic electro dip that ensures total paint coverage for a longer rust-free life. Force Motors says the paint quality now matches passenger car standards. The 2149cc BSIII engine makes 127bhp and 300Nm of torque and is mated to a five-speed manual

gearbox. The Traveller gets disc brakes all round, and a dual wheel setup on the rear axle.

Two important additions to this line up are the 15-seater Traveller Royale and the 9-seater Traveller Super. Both come with factory-fitted air-conditioning, reclining seats, sealed glass windows which are now larger, and also ABS, EBD and air suspension.

Force Motors also showcased the newly developed, advanced 3, 4 and 5-Cylinder BSIV compliant common rail diesel engines that will power their new generation SCVs, MUVs and LCVs in the future.



Mahindra

MAHINDRA unveiled its new heavy commercial vehicle truck series with GVW rated at 49 tonnes. The Blazo series includes haulage trucks, tractor-trailers, and tipper vehicles. The truck has a 7.2-litre Fuel Smart engine that makes 256bhp and 960Nm of torque. The range will have its common rail engines coupled with multi-drive modes and the Multimode feature will have three modes – Turbo. Heavy and

Light. Mahindra also announced a superior mileage guarantee on the Blazo wherein if the customer isn't happy with the fuel efficiency, Mahindra will take the vehicle back. Also on offer is a 48-hour back-on-road breakdown service guarantee.

Mahindra also showcased its new trucks in the LMC category christened the Loadking Optimo. The light truck will be available with a cargo bed and in tipper





form. The cargo version has a gradeability of 29 per cent and the tipper version has 33 per cent gradeability. That and a small wheelbase of 2500mm and 11.9m turning radius should make it viable for mining operations. Its 3.3-litre common rail diesel engine puts out 89bhp and 260Nm of torque affording it a payload capacity of 2,985kg. The truck

gets a 5-speed manual gearbox.

The Supro is an 8-seater electric mini-van that uses lithium ion batteries to store electric charge. The electric van is gearless and can cover a distance of 100kmph on a single charge. Top speed is an electronically limited 50kmph. Also on display at the Mahindra pavilion were hydrogen powered busses.



Scania

SCANIA unveiled important vehicles in their line up. The first, a global product launch of its Citywide bus which can run on fossil as well as renewable fuels (bio-ethanol, bio-diesel, bio-methane), and also diesel and bio-diesel hybrid powertrains. This diversity allows

it access in different regions and fuel platforms. The bus is compatible with all commercially available biofuels complying with Bharat Stage 4, Euro 5, and Euro 6. The busses will be introduced with a low entry and low floor model and should be suitable for BRT routes across metros.



In addition, the busses get a wheelchair accessibility ramp, front, side and rear destination boards. disc brakes electronic braking system and ABS, Scania fleet management system and public information system. Starting this year, Scania

will increase the production of vehicles running on biofuel engines at their Narasapura plant in Bangalore and introduce ethanol based green busses across India

Scania also launched its G310 haulage tractor at the Expo.



SML Isuzu

COMMERCIAL. vehicle manufacturer Isuzu SML exhibited a number of products at their stall at the Auto Expo. They showcased their Executive coaches in 13- and 18-seat layouts, displayed the FR1318 bus and their small tipper Sartaj 5252 XM solid waste disposal truck.

The Executive coach is powered by an in-line four cylinder engine and is available in both BSIII and BSIV compliant variants. Both engines make 100.5bhp and are mated to a five-speed manual transmission. It gets semielliptical multi-leaf springs with hydraulic telescopic shocks up front and parabolic leaf springs with shocks at the back. It has a fuel tank which can store 90-litre of fuel. This bus also gets an exhaust brake along with safety features like ABS. The busses get air-conditioning, reclining seats and a lot of other creature comforts for passengers. The FR1318 bus also on display is a huge 41-seater that also gets reclining seats and AC, and additionally gets an air suspension and an AV system inside the bus.

The Sartaj tipper, also displayed, has the same - BSIII and BSIV compliant 4-cylinders, that both make 100.5bhp. It gets semielliptical leaf spring suspension as well and gets optional power steering. It has a GVW of 4990kg for the BSIII variant and 5200 for the BSIV variant. The tipper body boasts of a tipping angle of 45-degrees and has a capacity of 2831-litre. SML Isuzu say that the Sartaj was designed to be a waste handler and help contribute to the clean India campaign launched by Prime Minister Modi. The narrow 2000mm width allows it to navigate narrow streets and rural areas that are unnavigable by large tippers.

Tata Motors

TATAMotors unveiled a new range of medium and heavy commercial vehicles called the SIGNA. These trucks come with a new cabin and re-designed cabin space that focus on ergonomics and low NVH levels, enabling drivers to operate over long distances with less fatigue. The cabin gets a large windscreen for better visibility and an aerodynamic front end. The trucks will have an in-built telematics system by Tata Fleetman as standard fitment. This system would enable fleet operators to better manage their transport business through optimum driver, vehicle and fuel management.

The Tata SIGNA 4923.S is a tractor that can pull a rated gross combination weight of 49 tonnes when coupled with suitable trailers, thanks to its 5.9-litre 6-cylinder Cummins ISBe 5.9

common rail engine that delivers 227bhp and 850Nm. Next up is the SIGNA 3118.T, which is a multiaxle truck with both steerable and lift axle options. It is rated for a Gross Vehicle Weight of 31 tonnes. It gets the Tata Cummins B5.9 L – 6 cylinder engine that makes 178bhp and 675Nm of torque. The SIGNA 2518.K is a construction and mining truck that has a rated Gross Vehicle Weight of 25 tonnes. At its heart is a Tata Cummins B5.9 L - 6 cylinder engine making 178bhp and 675Nm. Multiple options aggregates, combinations and load bodies make the Tata SIGNA 2518.K a versatile logistics solution for various applications.

Tata also added more trucks to its Ultra range – the Ultra 1518 sleeper and Ultra 1415 4X4 truck rated for a GVW of 13.5 tons.

The bus range included an



electric bus and a CNG hybrid bus. The Ultra Electric is Tata Motors' first full-electric bus. Other busses displayed included the Starbus Hybrid. It is the world's first commercially produced CNG Hybrid Bus that uses electricity and CNG for propulsion. The low floor bus is based on a modular chassis and fulfills UBS-2 (Urban Bus Specification) and gets an electronically controlled air

suspension. The battery pack has the latest generation lithium ion phosphate fuel cells. The engine is a 191bhp Cummins CNG engine that uses electric motor propulsion assist in Series hybrid technology, similar to conventional hybrid cars, and the electronically controlled braking system uses brake energy regeneration to charge the batteries on the move.

■ VECV

EICHER trucks and buses launched live telematics solutions at the Expo. The software monitors movement, fuel consumption and maintenance needs, and comes installed in the Pro Series range of trucks and buses, the Eicher Pro 8000 and Pro 6000 straight from the factory.

The company also showcased the Pro 6037, a 37 tonne haulage truck that comes with fuel coaching, cruise control, an electronic air processing unit, telematics and a driver information system. There was also a hybrid school bus called Skyline Pro, powered by a combination of a diesel engine and electric motor. The third product was a 28-seater bus that featured 11-inch foldable LED screens, a smoke detector, rear view camera, laptop and mobile chargers.

Four more products were on display – Pro 8049 HD haulage truck, Pro 6025T HD tipper and Pro 3016 and Pro 1049.



Starkenn

STARKENN Sports, a Pune based bicycling company launched a bicycle called the Giant Propel Advance SL 0, that the company claims is the world's fastest bicvcle. The bicycle makes use of technologies such as the SpeedControl SLR brake system, integrated seat post and internal cable routing says the company. Starkenn is said to have conducted tests on the SL 0 that reveal that at speeds of 40kmph, the SL 0 saves around 12-36 seconds over a distance of 40km. The bike is used by Team Giant-Alpecin riders and has helped them win a number of races including stage races at the Tour de France.



Riderz Planet

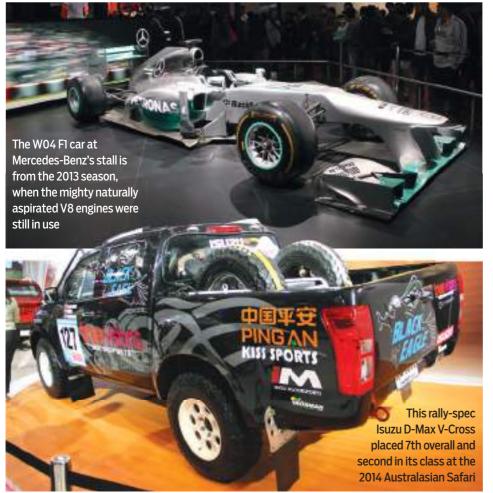
THE Organizers collaborated with Riderz Planet to get a host of superbike groups to the show. Starting 5th February. A group of superbikers rode to the auto expo venue on their mean machines everyday. The superbikers not only put their bikes on display for the visitors, but also conducted sessions on road safety and interacted with the expo visitors. India's one and only Boss Hoss, 6400cc with Chevrolet's 8-cyl engine was exclusively parked at Riderz planet stall during the show.



MOTORSPORT ICO









ONS AT THE EXPO







These monstrous off-roaders have dominated the Indian Rainforest Challenge



BEST CONCEPT (TWO-WHEELER) - TVS AKULA 310 Received by Aniruddha Haldar, VP marketing, TVS Motor Company

CNE AUTO EXPO AWARDS

NEW BRAND DEBUT HONOR (2W) Received by Abhay Dange, director, press and corporate affairs, BMW Group India



NEW BRAND DEBUT HONOR (4W) Received by Kevin Flynn, president and MD, FCA India



BEST GLOBAL DEBUT (4W) - MARUTI SUZUKI VITARA BREZZA Received by RS Kalsi and THashimoto, ED marketing and sales, Maruti Suzuki India

CNB AUTO EXPO AWARDS FOR EXCELLENCE



NDTV'S CAR AND BIKE SHOW along with SIAM presented the second edition of the Auto Expo Awards For Excellence on Friday. The Awards recognise the significant efforts taken by manufacturers to turn the Auto Expo into the most important show in Asia and a show that rivals the very best in the world in terms of look, feel, quality, infrastructure and presentation. Awards were presented in 14 categories ranging from the best concepts and launches to best pavilions and brand launches. Here are the highlights from the award ceremony held at the India Expo Mart.



BEST PAVILION (4-WHEELER) - TATA MOTORS Received by Delna Avari, head marketing communications and services, Tata Motors



BEST PAVILION (2W) - HERO MOTOCORP Received by Pawan Kant Munjal, CMD, Hero MotoCorp



BEST INTERACTIVE DISPLAY - HYUNDAI MOTOR INDIA Received by Rakesh Srivastava, senior vice president, sales and marketing, and Puneet Anand, marketing head, HMIL



BEST PREMIUM BRAND PAVILION - MERCEDES-BENZ Received by Roland Folger, MD and CEO, Mercedes-Benz India



BEST LAUNCH (2W) - TRIUMPH BONNEVILLEReceived by Vimal Sumbly, MD, Triumph Motorcycles India



BEST LAUNCH (4W) - BMW X1
Received by Abhay Dange, director press and corporate affairs, BMW Group India



BEST CONCEPT (4W) - MAHINDRA XUV AERO BEST PAVILION (CV) - MAHINDRA & MAHINDRA Received by Madhav Nene, head marketing services, M&M



BEST OF SHOW (4W) - HONDA NAVIReceived by Yadvinder Singh Guleria, senior VP, sales and marketing, HMSI



BEST OF SHOW (4) - MARUTI SUZUKI VITARA BREZZA AND FORD MUSTANGReceived by R S Kalsi and T Hashimoto, ED marketing and sales, Maruti Suzuki India.
Nigel Harris, president and CEO and Kapil Sharma, head of communications, Ford India



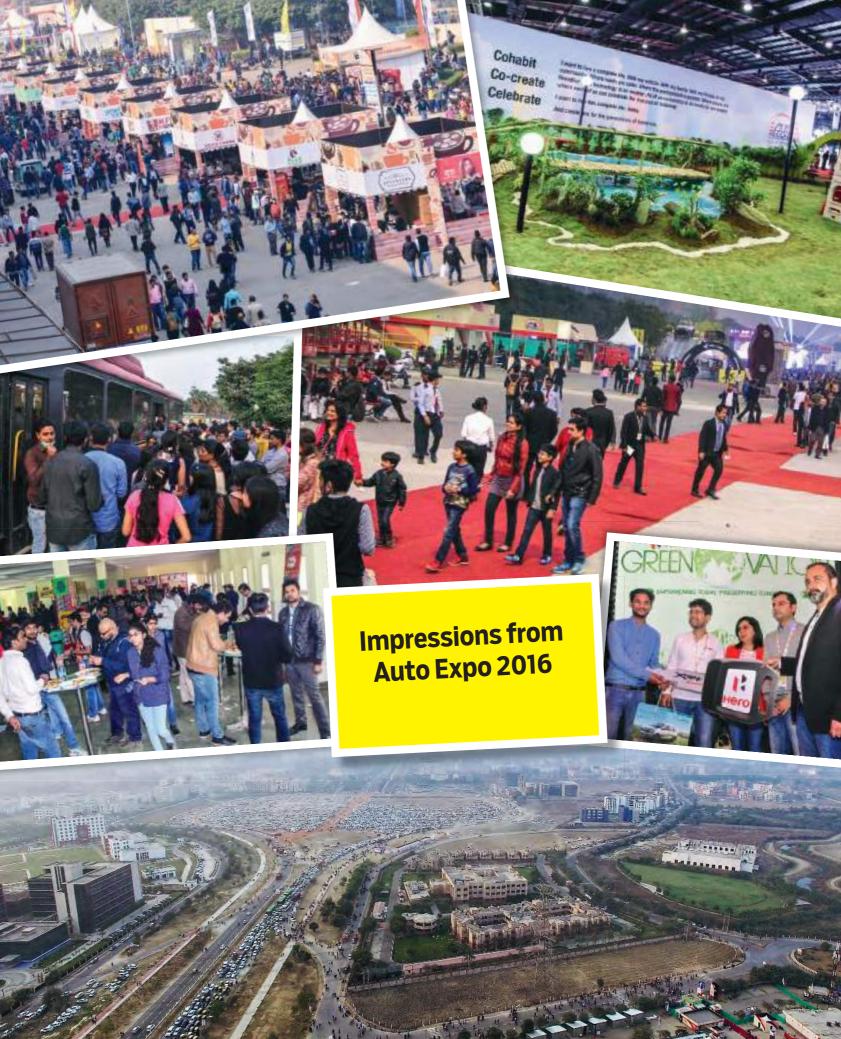




















THANK YOU & SEE YOU IN 2018



