



Compliance of WP-29 Regulations in Pakistan

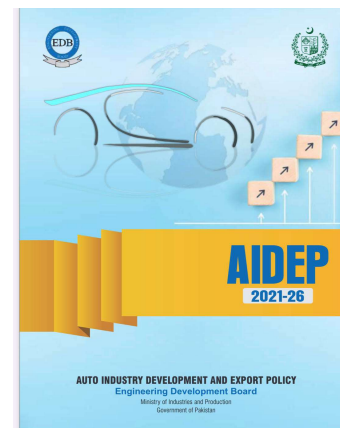
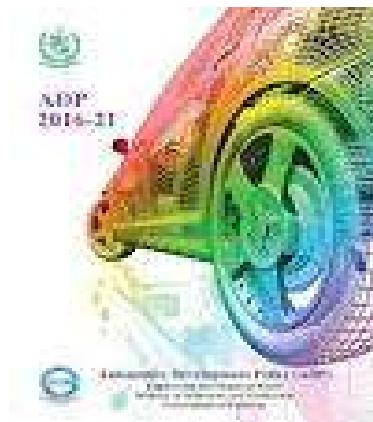
Engineering Development Board (EDB)

www.engineeringpakistan.com

Ministry of Industries & Production (MOIP)

Background & Progress

- Pakistan notified as contracting party to 1958 Agreement on 24 April 2020 (E-64)
- Automotive Development Policy (ADP 2016-21) envisaged adoption of WP 29 Regulations
- Competition enhanced in the market under ADP 2016-21
- 17 Safety Regulations were selected for implementation
- Toyota, Suzuki, Honda, Hyundai, KIA, Proton, DFSK, Changan, Peugeot, GWM, BAIC, SAIC-MG etc. operating in the country



Background & Progress Contd.

- Auto Industry Development and Export Policy (AIDEP 2021-26)
 - Regulations included in law governing automotive manufacturing
 - Safety regulations being implemented at manufacturing stage
 - Detailed implementation plan given in the policy document
- Pakistan will analyze the additional regulations for implementation at appropriate stage

UNECE's Safety Regulations Shortlisted by Pakistan

	Description	UN Regulations (UNRs)	Vehicle Category
Active Safety	Brakes	R 13 & R 13H	Passenger Cars and Vans + Commercial Vehicles & Buses
	Steering	R 79	Passenger Cars and Vans + Commercial Vehicles & Buses
	Tyres	R 30	Passenger Cars and Vans
	Lighting	R 48	Passenger Cars and Vans + Commercial Vehicles & Buses
Passive Safety	Safety Belts Anchorages & Belts	R 14 & R16	Passenger Cars and Vans + Commercial Vehicles & Buses
	Seats / Head Restraints	R 17 & R 25	Passenger Cars and Vans
	Collision	R 94, R 95 & R 135	Passenger Cars and Vans
	Airbags	R 121, R114	Passenger Cars and Vans
General Safety	Safety Glazing	R 43	Passenger Cars and Vans
	Mirrors & Cameras	R 46	Passenger Cars and Vans + Commercial Vehicles & Buses
	Anti-theft	R 18	Passenger Cars and Vans + Commercial Vehicles & Buses

Competitive Landscape in Car Manufacturing

Sr #	Company Products	Installed Capacity	Up to 800 cc	801 - 1000	1001 -1300	1301-1500	1501-1800	1801-2000	> 2000 cc
1	Pak Suzuki	160,000	Alto M/T / A/T	Cultus, Wagon-R	Swift				
2	Toyota	84,100			Corolla Yaris	Yaris	Corolla Altis, Corolla Grande		Fortuner, Hilux
3	Honda	61,000			City	Civic, City, BRV	Civic		
4	Al Haj FAW	15,000			FAW V2 CAR				
5	KIA	35,000		Kia Picanto	Peugeot 2008	Kia Stonic SUV		Sportage SUV	Sorento SUV
6	Hyundai	30,000				Santa Fe Hybrid*	Elantra	Tuscon, Elantra	Sonata Car
7	Changan	30,000		Karwan Van	Alsvin Car	X7 SUV			
8	United	20,000	Bravo	Alpha		Chery SUV	Chery SUV		
9	Sazgar	24,000				Haval SUV Haval Hybrid*		BAIC Jeep, Haval H6	
10	Regal	12,000	Prince Pearl	Prince Van		Glory SUV	Glory SUV		
11	Proton	21,000			Proton Saga	X70 SUV			
12	Ghandhara	10,200				TIGGO-4 PRO SUV	TIGGO-8 PRO SUV		Isuzu D-Max
13	MG JW	25,000				MG HS		MG HS 2000	

WP-29 Regulations Adoption Mechanism

- Adoption of regulations as per approved plan is being ensured
- Compliance of Regulations included in SRO 656 (I) 2006 is being declared by OEMs
- Extension in timelines are granted by EDB /MoIP as mentioned in AIDEP 2021-26
- Safety & Environment Regulations to be added/enhanced at appropriate time
- Engineering Development Board (EDB), under Ministry of Industries & Production, is working as Secretariat of WP 29 Regulations

Progress Achieved

- All the vehicle manufacturing companies will be fully compliant with shortlisted regulations by June 30, 2024
- Adoption of WP 29 Regulations have forced discontinuation of non-compliant models of vehicles
- New vehicles with state of the art features are being introduced in the market by different companies
- Export of vehicles in limited quantity has been witnessed

Progress Contd.

- A leading company in auto sector is planning to introduce Hybrid Electric Vehicles in December 2023
- One company is already manufacturing hybrid SUVs
- 35 companies have been issued licenses to manufacture electric 2-3 wheelers in Pakistan
- Market penetration of electric bikes is increasing gradually
- 2-3 companies are interested in manufacturing of electric cars in Pakistan within next 4 – 5 months

Expected Challenges in Future

- Compliance of electric 2-3 wheelers to the international safety regulations
- Standardization of EV specific parts, batteries and charging infrastructure
- Capacity Building of Engineering Development Board (EDB) to meet future challenges
- Collaboration with WP 29 Secretariat & member countries

THANK YOU