

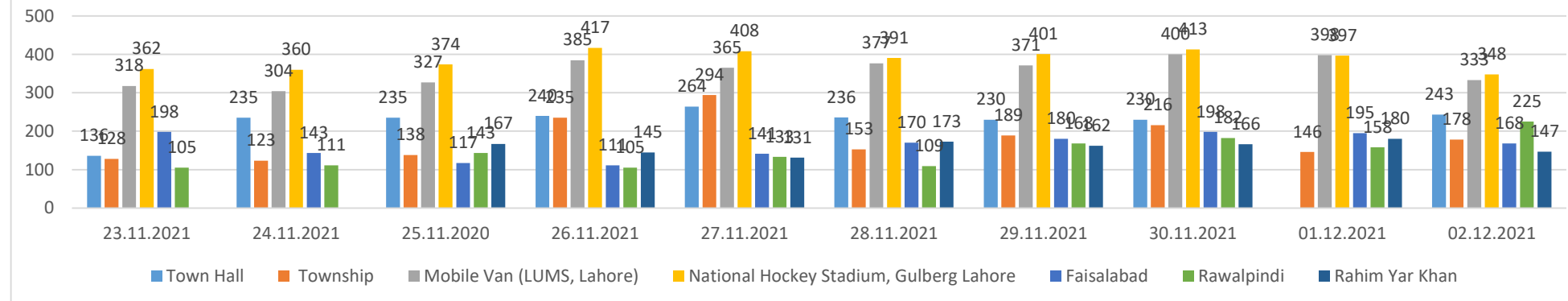
AIR QUALITY INDEX (AQI) RECORDED WITH AQMS OF EPA AT VARIOUS CITIES OF PUNJAB 02.12.2021 (BASED ON PREVIOUS 24 HOURS DATA)

Station name	Parameter used to calculate AQI	PEQS value $\mu\text{g}/\text{m}^3$	Conc. ($\mu\text{g}/\text{m}^3$) used to calculate AQI		AQI	
			Minimum 8 hours average	Maximum 8 hours average	Minimum AQI	Maximum AQI
Town Hall, Lahore (based on 8 hours maximum average value recorded in last 24 hours (5:00pm to 12:00am))	Carbon Monoxide (CO)	5 (mg/m³)	7.20	17.08	145	243
C2 sector, Block 1, Township, Lahore	Oxides of Nitrogen (NO _x)	80	142		178	
National Hockey Stadium, Gulberg Lahore (09 am-08pm)	Respirable Particulate Matter (PM _{2.5})	35	117		333	
Mobile Van (DHA, Phase8) 31.496625,74.295244 (09 am-08pm)	Respirable Particulate Matter (PM _{2.5})	35	122		348	
Faisalabad 31.654412N, 73.083564E	Respirable Particulate Matter (PM ₁₀)	150	184		168	
Rawalpindi 33.6028559 , 73.0231589	Respirable Particulate Matter (PM ₁₀)	150	213		225	
Rahim Yar Khan 28.4314887N 70.3115618E	Respirable Particulate Matter (PM _{2.5})	35	51.8		147	

AQI limit in Smog Policy 2017

0-100	Good
100-200	Satisfactory
200-300	Moderately polluted
301-400	poor
401-500	Very poor
500+	severe

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- Note: i. The mobile van is parked at DHA, Phase 8, Lahore.
 ii. The report prepared on the basis of instruments generated data.
 iii. At present, the concentrations of respirable fine dust particles and Oxides of nitrogen is exceeding the standards of environment protection department which is mainly contributing to the air pollution and high AQI. The data pattern shows automobile emission is major contributory in raised air pollution.