

**Bharat Heavy Electricals Limited**  
**Ramachandrapuram : : Hyderabad – 502032**  
**M&S – DIVISION**  
**SCOPE OF WORK (ANNEXURE-I)**

**Tender No.:** M&S/P&S/2022/83, dt. 23.02.2023

**Name of Work:** Monitoring of Ambient Air Quality, Stacks monitoring, Noise Level measurements, Continuous Monitoring of Air Parameters & Rainfall measurement at specified locations in BHEL Hyderabad for a period of two years.

**DESCRIPTION OF WORK:**

S.No.	Description	Parameters	Locations and Frequency	Total Samples	Contractor's Acceptance
1	Monitoring of Ambient Air quality	a. Particulate matter size less than 2.5 - PM 2.5 b. Sulphur Dioxide – SO2 c. Nitrogen Dioxide - NOx d. Ozone-O3 e. Lead-PB3 f. Carbon Monoxide- CO g. Ammonia-NH3 h. Benzene-C6H6 i. Benzopyrene-BaP j. Arsenic-As k. Nickel-Ni	3 Locations X 24 months	72	
2	Monitoring stacks attached to chimneys	a. SPM b. Sulphur Dioxide – SO2 c. Nitrogen Dioxide - NOx	6 locations X 24 months	144	
3	Noise Level Measurement at locations mentioned at 4 gates in BHEL factory	a. Day b. Night	4 locations X 24 months	96	
4	Installation of Ambient air quality stations: 312 samples for year with suppliers equipment including report preparation & submission for monitoring & measuring air pollutants & metrological parameters	1. SPM 2. RSPM 3. Sulphur dioxide 4. Oxides of Nitrogen 5. Metrological a) Wind b) Wind speed c) Temperature d) Relative Humidity	3 locations X 2 samples per week X 104 weeks	624	