

Bharat Heavy Electricals Limited
Ramachandrapuram :: Hyderabad - 502 032

TENDER REF.No. M&S/P&C/2020/45 DT.24/08/2020

SCOPE OF WORK

ANNEXURE-I

SUB: Monitoring of Ambient Air Quality, Stacks monitoring, Noise Level measurements, Continuous Monitoring of Air Parameters & Rainfall measurement at specified locations in BHEL-Ramachandrapuram Factory

S.No	Description	Parameters	Locations & Frequency	Total Samples
A	Monitoring of Ambient Air quality	a. Particulate matter size less than 2.5 - PM 2.5 b. Sulphur Dioxide – SO ₂ c. Nitrogen Dioxide - NO _x d. Ozone-O ₃ e. Lead-PB ₃ f. Carbon Monoxide- CO g. Ammonia-NH ₃ h. Benzene-C ₆ H ₆ i. Benzopyrene-BaP j. Arsenic-As k. Nickel-Ni	3 Locations X 24 months	72
B	Monitoring stacks attached to chimneys	a. SPM b. Sulphur Dioxide – SO ₂ c. Nitrogen Dioxide - NO _x	6 locations X 24 months	144
C	Noise Level Measurement at locations mentioned at 4 gates in BHEL factory	a. Day b. Night	4 locations X 24 months	96
D	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

SIGNATURE/ STAMP OF VENDOR