

Work Zone / Ambient Air Quality Monitoring & Noise Level
Measurement Report
(As per requirement under MMR – 1961)

1.1 BACK GROUND

M/s. Khetri Copper Complex (KCC), an integral part of Hindustan Copper Limited, was set up in 1967 in Khetri Nagar, District - Jhunjhunu, Rajasthan. The first scientific and systematic production of Copper Ore began in 1973 followed by a Smelter Plant in 1974.

There are three mines in Khetri Copper Complex namely Khetri Copper mine, Kolihan Copper Mine and Chandmari Copper Mine. The ROM is treated through crushing and beneficiation plants.

1.2 THE PRESENT ASSIGNMENT

The Hindustan Copper Limited has taken up many measures to control the pollution in Khetri Copper Complex. Pollution Control Equipments are provided at various pollution generating sources. Work zone / Ambient Air Quality Monitoring and Noise level measurements for Area / Personal are carried out half yearly basis to estimate the pollution load in the mine of KCC. The Hindustan Copper Limited has assigned the job of Work zone / Ambient Air Quality and Noise level measurement to M/s. Nakshatra Enviro Services, Jaipur.

The scope of work includes the Work zone / Ambient Air Quality Monitoring and Noise level measurements for Area / Personal in the Khetri Mine.

The work formulated is as follows:-

- (i). Measurement of suspended particulate matter (SPM)/dust and free Silica in the working area of mines.
- (ii). Noise Level measurement at different locations at working area & Personal area in mines.

1.3 WORK ZONE / AMBIENT AIR QUALITY

Ambient Air quality in the work zone / personal area has been carried out at twenty two locations in the each mine. The major pollutants like Suspended Particulate Matter / dust has been monitored. The free Silica has been carried out in the area dust.

The SPM / dust have been observed most of the time in the tolerance limits. The detailed data sheets for Work zone / Ambient Air Monitoring are enclosed.

1.4 NOISE LEVEL MEASUREMENT

The Noise level measurements have been taken in the working / personal area at different locations in the mines. The Noise level measurements reports are enclosed.

1.5 INSTRUMENTS USED

The Instrument SL-4001, Lutron Make is used for Noise level measurement & Personal Dust Sampler APM 800, Envirotech make/ Handi Sampler, Spectro Instrument/Lata Envirotech make are used for Personal Dust, Area Dust & Silica etc.

The name of following executives are proposed for the SDU of Khetri Copper Mine:

1. Sh R K Sah: Executive Director
2. Sh V K Singhal: Deputy General Manager (Electrical)
3. Sh D R Mehta: Deputy General Manager (Mines)
4. Sh J C Agarwal: Deputy General Manager (Mechanical)
5. Sh P Bhattacharya: Assistant General Manager (Training)
6. Sh R C Shrimali: Assistant General Manager (Mines Planning)
7. Sh Avinash Shriwastawa: Assistant General Manager (M&C)
8. Sh B Alphonsus: Assistant General Manager (HR)
9. Sh A K Dutta: Assistant General Manager (Finance)
10. Sh O S Shekhawat: Chief Manager (Admn / CSR)
11. Sh V N Mishra: Sr Manager (Exploration)

The name of following executives are proposed for the SDU of Kolihan Copper Mine:

1. Sh R K Sah: Executive Director
2. Sh P K Kundalia: Deputy General Manager (Electrical)
3. Sh J C Agarwal: Deputy General Manager (Mechanical)
4. Sh S D Sharma: Assistant General Manager (Mines)
5. Sh P Bhattacharya: Assistant General Manager (Training)
6. Sh R C Shrimali: Assistant General Manager (Mines Planning)
7. Sh Avinash Shriwastawa: Assistant General Manager (M&C)
8. Sh B Alphonsus: Assistant General Manager (HR)
9. Sh A K Dutta: Assistant General Manager (Finance)
10. Sh O S Shekhawat: Chief Manager (Admn / CSR)
11. Sh V N Mishra: Sr Manager (Exploration)