

## **Annexure-II**

**Scope of work:** Scientific Study on Exhaust gases and DPM Emission from underground diesel operated equipment deployed at Mohuldih Underground Mine, UCIL on monthly outcome basis for a period of two (02) years.

Sl. No.	Description of Work	Basic Price	G.S.T	Total Price including G.S.T
1	Measurement of undiluted vehicle emission for all underground vehicles (Drill Jumbo-02, LPDT-3, LHD-5, PC-1, Service vehicle-1) once in a month and compare it with the standard described in clause no. - 4 of DGMS (S&T)/(Tech.) Circular No. 01, 2018.			
2	Measurement of DPM emission concentration of every underground vehicle (LHD, LPDT, Drill Jumbo, Passenger, etc.) during operation. The process of measurement should comply with the provisions stated at clause no.-6 of DGMS (S&T)/(Tech.) Circular No. 01, 2018.			
3	Measurement of DPM dose obtained by the operators on 08 hrs TWA basis as per clause no.-6 of DGMS (S&T)/(Tech.) Circular No. 01, 2018.			
4	Measurement of DPM concentration in general body of mine air with reference to all ventilation stations (41 numbers).			
5	Measurement of HCHO & TVOC in general body of mine air with reference to all ventilation stations (41 numbers).			

### **Note:**

All the measurements should be done on monthly basis and report should be submitted to Engineer-In-Charge on or before 10<sup>th</sup> day of every month. Altogether, 24 numbers of reports should be submitted in two years.

1. Bidder shall quote lump sum amount for the complete study along with a breakup of cost.
2. Please quote your rates in figure without overwriting/cutting.
3. **FAX/EMAIL OFFER WILL NOT BE ACCEPTED.**
4. Lowest in total price of work (including GST), shall be declared as L1 bidder.

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(Signature with seal of the Bidder)

## **Annexure-III**

### **TERMS AND CONDITIONS OF WORK**

**Validity of offer:** Offer should be valid for minimum 90 days.

**Payment Terms:** 50% advance payment will be released against the study value after acceptance of work order. Bill for the advance amount shall be claimed within 15 days of acceptance of work order based on which payment will be released. Rest amount (rest 50% of value) will be released after completion of work and submission of final report of study.

**Period of Contract:** Total period of the contract will be 2 years (24 months) from the date of disbursement of advance amount.

**Deliverables:** All the measurements should be done on monthly basis and report should be submitted to Engineer-In-Charge on or before 10<sup>th</sup> day of every month. Altogether, 24 numbers of reports should be submitted in two years. Draft copy of report shall be submitted to UCIL before finalization of report. However, Final report will be provided in soft copy (in pdf format) and three bounded copies of the study.

\*Beside above, only fooding and lodging facility in respective guest house will be provided by UCIL during the field visit.

\*Transportation of samples from site to the organization/institute will be in the scope of the bidder.

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(Signature with seal of the Bidder)