

ଦି ଓଡ଼ିଶା ମିନେରାଲସ ଡେଭେଲପମେଣ୍ଟ କମ୍ପାନି ଲିମିଟେଡ
(ଭାରତ ସରକାରଙ୍କ ସଂସ୍ଥା)

Mines Office : Thakurani, Barbil, Keonjhar, Odisha - 758035, Phone : 06767-275777, 275382, 275530, email : bh.omdc@birdgroup.co.in

Ref. No.: **OMDC/BH/2025-26/175**

Date: **08/10/2025**

Sub: To conduct scientific study for controlled drilling & blasting within 300Mtrs and beyond 100 Mtrs of Surface Structure/Dwelling not belonging to the owner of the company as per the regulation 164(1-B) of MMR 1961 at Bagiaburu Iron Mines of OMDC near Barbil, District - Keonjhar, (Odisha).

Dear Sir,

The Research/Academic Institutions are requested to submit budgetary offer (excluding GST) for conducting scientific study for controlled drilling & blasting within 300Mtrs and beyond 100 Mtrs of Surface Structure/Dwelling not belonging to the owner of the company as per the regulation 164(1-B) of MMR 1961 at Bagiaburu Iron Mines of OMDC near Barbil, District - Keonjhar (Odisha). The detailed scope of work, period of study, date of commencement, payment terms, and last date of submission of budgetary offer, validity of offer, acceptance and obligation of OMDC are placed below:

1. Scope of work:-Design of blasting parameter such as;

1. Depth of hole as per benches/method of working.
2. Determination of Burden & Spacing.
3. Delay between rows & measurement of delay in successive shots.
4. Quantity of Explosive charge per hole.
5. Length of stemming column.
6. Characteristic and types of explosives being used.
7. Charge per delay.
8. Charge per blast.
9. Type of drilling and blasting method including controlled blasting so warranted.
10. Monitor Blast induced ground vibration & air over pressure.
11. Suggest control measures to minimized ground vibration & air over pressure within permissible limit.
12. Monitor fly-rock distance and suggest control measures.
13. Suggest proper blast design with safe charge per delay for better productivity of the machine and safety of nearby structures.
14. Presentation of Scientific study report to the DGMS authority and obtaining permission from DGMS for controlled blasting.
15. Any other parameter which is required for obtaining permission from DGMS for controlled blasting.

2. Work Elements:-

- a) Conducting blasts by using slurry explosive (Nitrate mixture) with various blasts patterns.
- b) Monitoring post blast parameters like ground vibrations, air over pressure and fly rock by state of the art measuring instruments.
- c) Analysis of vibration data and determination of vibration attenuation model.
- d) Assessment of effect of ground vibration, air over pressure & fly rock on the surrounding sensitive structures like dwellings & OB dumps.
- e) Design of safe and productive blast pattern keeping in the view of ground vibrations, fragmentation & Fly rock.

- f) To develop a blast vibration predictor for Bagiaburu Iron Mines to arrive at the Maximum Charge Per Delay (MCPD) and per round for limiting the Peak Particle Velocity (PPV) of blast induced ground vibration within permissible limit for considering the nearby plants and labour hutments.
- g) Submission of final report.
- h) The final report will provide safe blast design recommendation specific to Bagiaburu Iron Mines M/s. Orissa Minerals Company Limited (OMDC LTD).
- i) Obtaining permission from DGMS for controlled blasting.
- j) No part of the report shall contradict any provision made under the mine act 1952, explosive rule, regulation or orders made there under.

3. Period of study:

The period of study within 03 (three) months from date of receiving of 50% advance and it is required to conduct minimum 20(Twenty) trial blasting rounds to evaluate performance of the blast.

4 Date of Commencement:

Commence the study immediately after releasing of 50% advance.

5. Payment Terms: The payment shall be made in installment as per following schedule based on progress of project work:

50% of Cost : As advance payment on your acceptance to conduct the aforesaid work.

30% of Cost : After completion of work with submission of final report to DGMS.

20% of Cost : After acceptance of scientific study by DGMS and issuing permission for controlled blasting as per the regulation 164(1-B) of MMR-1961.

6.Last date of submission of budgetary offer:

You are requested the submit your budgetary offer by e-mail address: bh.omdc@birdgroup.co.in to The Business Head, The OMDC Ltd., P.O. Thakurani, Via - Barbil, Dist.Keonjar(Odisha) Pin -758035 on or before dated 21/10/2025 at 3.30 P.M. The budgetary offer will be open at 4.00 P.M. on dated 22/10/2025. All Research/Academic Institutions representative may be allowed to present during the time of opening of budgetary offer. The Research/Academic Institutions submit their bank details with budgetary offer.

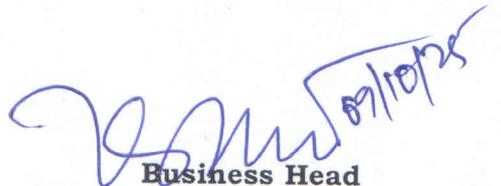
7. Validity of offer: 90 days from the submission of offer.

8. Acceptance: Lowest offered price (excluding GST) will be accepted for the award of work.

9. Contact Details (for any query): 1. Shri B. B. Gamango, Business Head, OMDCo.Ltd., Mobile no.9491032209, e-mail address: bh.omdc@birdgroup.co.in
2.Mr. Rakesh Kumar, DGM(Mines), Mobile No.9439308905 e-mail address: omd.mines@yahoo.in.

Note: - OMDC reserves the right to cancel/postpone the said proposal without bearing any liability whatsoever.

Thanking you.


Business Head
OMDCo. Ltd.