



वेस्टर्न कोलफील्ड्स लिमिटेड
Western Coalfields Limited
मिनीरत्न कंपनी (A Miniratna Company)
(कंपनी अनुषंगी की .लि इंडिया कोल)
(A Subsidiary of Coal India Limited)
विभाग: उत्पादन Department : Production



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पंजी.का.कोयला विहारनागपुर ,लाइन्स सिविल ,(महाराष्ट्र-(440001 /Regd. Off. : Coal Estate, Civil Lines, Nagpur)MS(- 440001

सद्वर्क क्रमांक : WCL/Prodn./GM(Prodn.)/2022/
प्रति,

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दिनांक : 02.11.2022

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- 1) The General Manager (Geometrics), CMPDI, HQ, Ranchi
- 2) M/s OM Instruments, Office No.415, Hilton Center Sec-11, CBD Belapur
Navi Mumbai-400614 email- info@ominstruments.com
- 3) M/s Roter solutions, Unit No.1&2, UG Floor, Tower T1, Assotech Business Cresttra, Plot
No.22 Sector-135, Expressway, Noida-201305 email- parag@apiroter.com
- 4) M/s Sujyoti India (P) Ltd, Nexus point, Vidhan Bhawan square, Civil line, Nagpur-440001
email- shashank.muley@sujyoti.com

विषय : Extension of time period for receiving of Offers on application for Introduction of Drone Technology on application of "Measurement of width and gradient of haul road and lead measurement" and "Dump height and slope monitoring" in Three mines of WCL for a period of 04 month (One survey each month)

महोदय,

As per the directives of MOC and subsequent guidance of CMPDI, Ranchi, towards introduction of Drone Technology and its applicability in mines, WCL has arranged a workshop on 3 rd August 2022, on applicability of Drone Technology in Mines of WCL. 04 Nos Drone Service provider and Drone suppliers including GM(Geometrics) CMPDI Ranch attended and participated the workshop.

Many activities has been suggested by all participants on applicability of Drone Technology in coal mining industry, out of which two activities has been selected as introduction of Drone Technology mines of WCL for a period of 04 month(One survey each month).

The proposed activities for application for Drone Technology as under:

1. Measurement of width and gradient of haul road and lead measurement.
2. Dump height and slope monitoring.

The offers are invited for estimation. The lowest offers will be considered as estimated amount, and accordingly, NIT will be prepared for further process of tendering.

The Technical Scope of work is as under:

The technical parameter for "Measurement of width and gradient of haul road and lead measurement" is as under:

1. As reference to the subject matter, monthly data will be generated and monitoring will be done for a period of 4 month.
2. Monitoring will be done for all HEMM plying road including haul road.
3. In case of HoE site of the mine, monthly data of excavation site, dumping site and routes are required for monitoring.

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4. Gradient and width of haul road if less than the statute provision, should be highlighted.
5. Berm all along HEMM plying route for Deptt/HoE patch shall also be highlighted.
6. Lead measurement/ checking from particular patch excavation site to dump site is required.
7. Progress of dump area with respect to previous monthly survey is required.
8. Data of excavation area and dump area in (N,E,Z) format wrt to mine base line is required.

The technical parameter for "Dump height and slope monitoring" is as under:

1. Dump top RLs with respect to ground profile shall be shown on Drone generated plan
2. Each bench of dump slope, bench height & width and overall slope shall be shown.
3. The dump profiles with RLs should be shown by using auto cleaning software, vegetation/plantation should shown on separate layer, so that further dumping if possible can be done or dump could be left for plantation.
4. Dump slope stability and it monitoring for a period of 4 month is required.

Drone service provider/ Bidder's responsibility

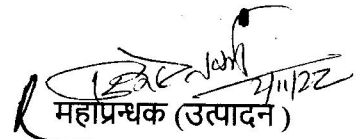
- I. All Data Out-put is required in "dwg"/ "DXF" format and images required in "tiff" format
- II. All data shall be in reference to mine base, i.e. (N,E,Z) and also with geo referencing .
- III. The accuracy of output data shall be mentioned by the bidder, however it should not be less as per statute permissible limit of CMR-2017
- IV. Hard copy and soft copy shall be submitted to GM(Prod), WCL
- V. Maintaining the Secrecy of data shall be responsibility of bidder. The bidder shall not share the data with anyone except as mentioned in "iv" above.

Offers are invited in sealed cover stating the:

- a) Details of the Agency.
- b) Address of correspondence:-

- c) The covered envelope to state the subject.
- d) Rate to be quoted for each application with/without GST to be stated separately.

The time period for receiving of offers has been extended up to 17.11.2022. It is requested to send the Offers by **17.11.2022 by 13:30** Hrs positively.


महाप्रिन्धक (उत्पादन)

Copy to:

- TS to D(T)OP, WCL
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- GM(System).... For web publication