

EXPRESSION OF INTEREST FOR MINE DEVELOPER CUM OPERATOR

1. **About block:** - The Radhikapur West Coal Block is situated in Talcher Coalfield, Angul district in the state of Orissa (Odisha) in eastern India. It has been allocated to Vedanta Ltd. after being selected as successful bidder by Ministry of Coal during the 11th tranche of coal auction. The salient features of the Coal block are as below:

Table 1-1: summary of the coal block.

#	Features	Details
1.0	Location	
	Coal Field	Talcher Coalfield
	Latitude	20° 57' 51" N to 20° 59' 47" N
	Longitude	84° 51' 13" E to 84° 54' 37" E
	Villages	Nuapada, Kuskila and Barpada
	Tehsil/ Taluka	Chhendipada
	District	Angul
	State	Odisha
2.0	Area	
	Geological Block Area	8.56 sq km. (Source: CO-RW-0000-19-01-00_Geology Report)
	Forest Area	0.847949 sq km. (Source: CMPDI Report)
	Non- Forest Area	9.62126081 sq km. (Source: CMPDI Report)
	Total Area	10.48 sq km. (Source: CO-RW-0000-19-01-00_Geology Report)
3.0	Amount of Coal	
	Geological Reserves	312.036 MT (Source: Radhikapur (West) Coal Block Summary)
4.0	Accessibility	
	Nearest Rail Head Distance	The nearest railhead Angul is situated at about 23 km from the southern boundary of the block and is connected to Sambalpur – Bhubaneswar railway line of East Coast Railways.
	Road	The block is well connected with road and rail. The district headquarter Angul is located on National Highway No. 42 (Manguli Chowk to Sambalpur).

2. **BRIEF Scope of work of MDO:** - For Radhikapur West Coal Mine, Vedanta Ltd is intending to make a long-term partnership with reputed Business Partner in the field of Mine Development and Operations. Bidders' brief scope of work includes mine development and operation, coal

evacuation and delivery of coal at Vedanta Jharsuguda plant etc. **The broad scope of MDO shall inter alia include following:**

- 2.1. Obtaining all necessary licenses /approvals/permits as applicable in favour of Vedanta for the commencement, operation and maintenance of the Coal Mine from Statutory authorities
- 2.2. Commencement of mining operation for overburden removal and coal extraction
- 2.3. Procure, install, operate, and maintain best in class equipment equipped with latest technology & safety features for overburden removal and coal excavation
- 2.4. Construction of all access roads, dispatch infrastructure, Coal stockyard, Coal storage bunkers, weigh bridge, substations, workshop, store, canteen, Vocational training centre, office buildings, control tower, first aid facility centre, explosive magazine and other structures as required by DGMS.
- 2.5. Ensuring and providing for all relevant installation and ancillary and associated activities for transmission and distribution of electric power from nearest Government substation to mine substation and to the face equipment etc.
- 2.6. Development of necessary infrastructure for strain less transportation of coal till Vedanta Jharsuguda.
- 2.7. Video monitoring of mining areas from higher altitude to get a 360-degree view to observe all the operations.
- 2.8. Face preparation & Drilling for conducting blasting in the areas given for excavation.
- 2.9. Procurement, storage, transport of explosive & performing blasting and related works.
- 2.10. Excavation of Overburden and shale.
- 2.11. Transportation/ hauling of overburden to the designated place.
- 2.12. Dump management, dump stability monitoring, conducting periodic scientific study & compliance of same.
- 2.13. Production of Coal.
- 2.14. Transportation / hauling of coal from mines to pit-head / stock-yard.
- 2.15. Loading of trucks/wagons at Coal stockyard/ dispatch point & the payloaders deployed for loading of coal should be equipped with bucket load cells for measurement of coal loaded.
- 2.16. Management of haul roads as per the DGMS standards.
- 2.17. Technical reclamation.

- 2.18. Water sprinkling and prevention of dust in the working area.
- 2.19. Dewatering of mines and water management (including industrial water) of the mine in compliance with the EMP.
- 2.20. Lighting and illumination of the working area as specified by DGMS.
- 2.21. Installation of necessary Firefighting system.
- 2.22. Bidder shall employ appropriate mining equipment and procure adequate after sales support and shall comply with the original equipment manufacturer recommendations for use.
- 2.23. The equipment configuration proposed by the Bidder shall comply with Applicable Laws including those related to environment, as imposed by the Ministry of Environment and Forests (MOEF), or any other applicable law in place during the Term of the Contract. Any cost implication with respect to the Mining Equipment arising on account of MOEF stipulations shall be incurred by the Bidder without any recourse for compensation of any kind by Vedanta.
- 2.24. Development and operations of Diesel pump.
- 2.25. Maintenance of its equipment in safe and sound condition.
- 2.26. Security of the coal mine.
- 2.27. All the hazardous materials shall be disposed-off as per the conditions of EMP and relevant laws governing hazardous materials. All permits to handle hazardous waste as required under Environment Protection Act should be in place
- 2.28. All the work related to monsoon preparation, drain management, garland drains
- 2.29. Shall comply with all prevalent rules and regulation
- 2.30. Overburden/interburden shall be removed and transported by haul trucks to dedicated (and approved) dumping locations.
- 2.31. ROM coal shall be removed by excavators/ loaders and transported by haul trucks to the stockyard/ mobile primary crusher(s).
- 2.32. Site development including access roads, water management structures.
- 2.33. Staffing and recruitment of personnel including workforce.
- 2.34. Training of staff and workforce.
- 2.35. Construction of mine infrastructure.
- 2.36. Excavation of box cut(s).
- 2.37. Construction of coal handling facilities including CHP.
- 2.38. Construction of HEMM maintenance facilities.

- 2.39. Ground surface contouring survey (to be undertaken jointly with the Vedanta).
- 2.40. Acquisition of private land and alienation of Gov/forest land. Obtaining all statutory approvals for smooth land acquisition and transfer of title in favour of Vedanta.
- 2.41. Physical possession of acquired land.
- 2.42. Rehabilitation & Resettlement of the landowners/land outsees.
- 2.43. Identifying land for development of R&R township.
- 2.44. Construction of R&R township as per R&R policy.
- 2.45. Negotiation/Co-ordination with the villagers for proper facilitation of the Resettlement and Rehabilitation process and ensuring it is in adherence to the existing law in place.
- 2.46. Obtaining all statutory approvals required for successful commencement of coal production.
- 2.47. For bidding, Bidder is required to prepare its own geological model and Mine Plan using the geological report and other data directly provided by Vedanta or otherwise provided for the purposes of review by Vedanta to bidders'
- 2.48. All mine planning should be based on the "selective mining" technique which should include the following ensuring maximum coal recovery and minimum quality dilution:
- 2.49. Vedanta wishes to emphasize that the mine plan document and associated maps are only indicative in nature. The Bidders' Mine Plan may be different in certain aspects from the Vedanta mine plan. The Bidder is encouraged to evaluate alternative mining systems from the point of view of time required before backfilling, coal quality control, and in-pit water management etc which shall be subject to assessment by Vedanta. Bidder may note that current approved mine plan, approvals, evacuation scheme etc are for the capacity 6 MTPA as envisaged by prior allottee, However, Vedanta aims to mine and evacuate coal at its maximum possible level- 10 MTPA. Hence, Vedanta encourages bidders to come out with all possible, innovative solutions to reach the objective of mining and transporting of 10 MTPA coal from Radhikapur West coal mine
- 2.50. Bidder shall comply with the requirements of the approved Environmental Management Plan (EMP) as well as all Applicable Laws. Bidder must comply with all the requirements of the Environment Clearance and Forest Clearance at any point of time during the term of the Agreement.
- 2.51. Bidder shall comply with the requirements of the DGMS as well as all Applicable Laws
- 2.52. Operation will be carried out in three shifts. Proper illumination will be established and maintained by bidder on site as per DGMS standards by portable light masts.

- 2.53. The haul roads, ramps etc. Will have to be maintained by the bidder with the help of motor grader and dozers etc as per DGMS standards. All the vehicles to be equipped with DGMS safety standards prior to deployment at mines and periodically checked as per checklist before safety clearances and renewals and records to be maintained. Wherever required, effective machine guarding aligned with the Vedanta HSE guidance to be implemented. The OB and coal may be required to be carried up to dump yard and levelled at the dumping areas with the help of dozers. Proposed lead & corresponding quantity of OB may change /vary subject to mine working conditions, formation of benches, and gradient of place of working, geo-mining conditions & also progress of dumping area. site of dumping may change upon the availability of created space (de-coaled area) for dumping.
- 2.54. Movable mist canon to be deployed for prevention of dust in the working area.
- 2.55. Dewatering of mines and water management (including industrial water) of the mine in compliance with the EMP.
- 2.56. Bidder shall be responsible for all activities required for development of Infrastructure facilities including but not limited to roads, workshop, site office, R&R township, coal handling plant, coal evacuation infrastructure.
- 2.57. Any other work required for successful development and operations of Radhikapur West coal mine – whether capex or opex in nature- shall be carried out by bidder even if not explicitly mentioned herein. Further detailed scope of work shall be mentioned in the tender document.

3. **Submission of Expression of Interest:** - Expression of Interest to be submitted within 15 days of this publication to: coal.block@vedanta.co.in

Expression of Interest should be submitted with below mentioned documents and bidders are requested to check <https://vedantaaluminium.com/tender-updates/> for further updates.

- Last 3 years P&L Statement/Balance Sheet/audited annual report.
- Number of executed projects.
- Current work orders in hand and the projects executed in last 3 years