

Bid Document

Bid Details	
Bid End Date/Time	24-06-2020 14:00:00
Bid Opening Date/Time	2020-06-24 14:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	75 (Days)
Ministry/State Name	Ministry Of Coal
Department Name	Materials Management
Organisation Name	Mahanadi Coalfields Limited
Office Name	General Manager Materials Management Mcl Hqr
Total Quantity	3
Item Category	Crawler Hydraulic Excavator
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Past Performance,Certificate (Requested in ATC),OEM Authorization Certificate *In case any bidder is seeking exemption from Experience / Turnover Criteria, the supporting documents to prove his eligibility for exemption must be uploaded for evaluation by the buyer
Past Performance	50 %
Bid to RA enabled	Yes
Estimated Bid Value	27258000

EMD Detail

Advisory Bank	HDFC Bank
EMD Percentage(%)	2.00
EMD Amount	545160

ePBG Detail

Advisory Bank	State Bank of India
ePBG Percentage(%)	10.00
Duration of ePBG required (Months).	18

(a). EMD EXEMPTION: The bidder seeking EMD exemption, must submit the valid supporting document for the relevant category as per GeM GTC with the bid. Under MSE category, only manufacturers for goods and Service Providers for Services are eligible for exemption from EMD. Traders are excluded from the purview of this Policy.

(b). EMD & Performance security should be in favour of Beneficiary, wherever it is applicable.

Beneficiary:

Mahanadi Coalfields Limited
General Manager Materials Management MCL Hqr, Materials Management, MAHANADI COALFIELDS LIMITED, Ministry of Coal
(Mahanadi Coalfields Limited)

Splitting

Bid splitting not applied.

1. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 50% of bid quantity, in at least one of the last three years before the bid opening date to any Central / State Govt Organization / PSU / Public Listed Company. Copies of relevant contracts (proving supply of cumulative order quantity in any one year) to be submitted along with bid in support of quantity supplied in the relevant year. In case of bunch bids, the category related to primary product having highest bid value should meet this criterion.

Crawler Hydraulic Excavator (3 pieces)

Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Generic Parameters	Conforming IS/ISO 7135:2009 Hydraulic Excavator (Crawler)	Yes	Yes
	Make	-	*
	Model	-	*
	Type of the excavator	Crawler	*
	Operating mass	33800	More than 30800.0 Or higher

Shipping mass	33800	Any applicable numeric value
Engine manufacturer and model	-	*
Ignition type	Diesel	Diesel
Type of cycle	4 Stroke	4 Stroke
Aspiration	mechanically turbocharged	*
No of cylinders	6	*
Bore	130	*
Stroke	140	*
Displacement (cc)	11149	*
Max Engine horsepower	276	Any applicable numeric value
Maximum Engine torque (Nm@rpm)	1176	Any applicable numeric value
Engine cooling system	Liquid cooled	*
Type of fuel	Diesel	*
Starter type	-	*
Electrical system voltage (in volts)	24	*
Bucket capacity to handle material of density	2.1	1.57, 2.1
ISO net flywheel power at given engine speed (hp@rpm)	276	Any applicable numeric value
Maximum swing speed	9.5	10.7, 9.5, 9.4
Reach at ground level	10580	Any applicable numeric value
Depth reach	6820	Any applicable numeric value
Travel speed	5.4	Any applicable numeric value
Gradeability (degree)	35	Any applicable numeric value
Force at bucket curl at the Tip	225	Any applicable numeric value
Stick crowding force	162.8	*
Ground Pressure	0.65	*
Operating weight	33800	Any applicable numeric value

Certification	Draw bar pull	279	*
	Standard Boom	6450	Any applicable numeric value
	Standard Arm	2650	Any applicable numeric value
	maximum digging depth	6820	Any applicable numeric value
	maximum digging Reach	10710	Any applicable numeric value
	Rated Lift Capacity	16360	Any applicable numeric value
	fuel tank capacity	570	Any applicable numeric value
	Vehicle Certification ARAI/VRDE/ICAT	No	*
	If No, mention the name of Vehicle Certification agency	-	*
	Vehicle Certification name and date	-	*
	Compliance with pollution standards, safety standards of components and road worthiness as per CMVR rules	Yes	*
	Availability of test report for the product from Any ILAC/NABI accredited/central government lab to be furnished to buyers on demand	Yes	*
	Responsibility of Registration with RTO	Yes	*
	IS/ISO 6165 : 2006 Earth moving machinery - basic types - Identification and terms and definitions	Yes	*
	IS 11114 : 2006 Earth-moving machinery - Definitions of dimensions and codes: Part 2 base machine	Yes	*
	IS 11114 : 2006 Earth-moving machinery - Definitions of dimensions and codes:	Yes	*

	Equipment and attachments		
	IS13116 : 2006 Earth-moving machinery -Engine Test Code - Net power	Yes	*
Construction Parameters	Overall length	11200	*
	Overall width	3280	*
	Overall height	3090	*
	Overall transport length	11200	*
	Width of upper structure	2980	*
	Track overall length	4940	*
	Track overall width when retracted	3280	*
	Track overall width when extended	3280	*
	Track shoe width	600	*
	Centre to centre - idler to sprocket	4030	*
	Upper structure ground clearance	1200	*
	minimum ground clearance	500	Any applicable numeric value
	Tail swing radius (standard)	3460	*
	Tail swing radius (counterweight)	3460	*
	Backfill Blade height	0	*
	Backfill blade width	0	*
	Backfill blade rise above ground	0	*
	Backfill blade dig depth	0	*
	Maximum Cutting height	10190	*
	Maximum Loading height	7120	Any applicable numeric value
	Minimum Loading height	0	Any applicable numeric value
	Maximum vertical wall digging depth	6320	*
	Hydraulic pump system type	-	*

Hydraulic pump flow at given pressure (L/hr)	520	*
Hydraulic pump flow at given speed (L/hr)	520	*
Hydraulic system fluid capacity	380	*
Hydraulic system output	170	*
Cooling systsem fluid capacity	45	*
engine crankcase fluid capacity	27.3	*
pump drive fluid capacity	5.5	*
Swing reduction	0	*
Swing circle lubrication	-	*
Swing lock	-	*
swing drive fluid capacity	11	*
Filtration system	-	*
Fuel filters	-	*
Air Cleaners	Yes	*
Type of Steering	Manual	*
Type of braking system	Hydraulic	*
Type of final drive	Planetary	*
final drive fluid capacity	5.5	*
Type of Track	-	*
Track dimensions	600	*
Ground Contact area	4.8	*
Number of shoes on each side	48	*
Number of carrier rollers	2	*
Number of track rollers	9	*
Cab height	1650	*
Crawler track height	1100	*
Clearance height under upper structure	1200	*
Undercarriage overall width	3280	*
Shipping height	3420	*

Shipping height with guard rail	3420	*
Shipping length	11200	*
tail swing radius	3460	*
Length to centre of rollers	1100	*
Counterweight clearance	1200	*
Right-side upper structure distance from axles of rotation	1490	*
cab width overall	1000	*
Track gauge with track extended	2680	*
track gauge with track retracted	2680	*
Crawler overall length	4940	*
Sprocket axis to axis of rotation (in degrees)	90	*
Upper structure rearmost distance from axis of rotation	3400	*
Maximum dumping height for shovel	7120	*
Length of level floor cut	0	*
Minimum level floor radius	0	*
Muffler with rain cap	Yes	*
Fuel Consumption for Earthwork application	20	*
Maximum dig radius	10710	*
Dig radius at groundline	10580	*
Maximum dig depth	6820	Any applicable numeric value
Vertical straight wall dig depth	6320	*
Dump height	7120	Any applicable numeric value
Overall reach height	10710	Any applicable numeric value
Bucket rotation	3770	*
Arm digging Force	162.8	*
Bucket Digging	225.6	Any applicable numeric

Force (ISO)		value
Stick Digging Force (ISO)	162.8	Any applicable numeric value
Bucket Digging Force (SAE)	199.1	*
Stick Digging Force (SAE)	156.9	*
Fully enclosed steel cabin with safety pipes window locking service doors and adjustable cushion seal	Yes	*
Service hour meter	Yes	*
Complete Instrumentation	Yes	*
Starter key switch	Yes	*
2 working light and cabin light	Yes	*
Electric Horn	Yes	*
Parking brakes	Yes	*
Emergency shut off	Yes	*
Cabin/canopy :All round visible cabin ,With easy Walk Through Access	Yes	*
Instrument Panel	Yes	*
Cabin Instrumental panel with audio indicators	Yes	*
Cabin Instrumental panel with visual indicators	Yes	*
Seating Plan: Co-Adjustable driver seat with one helper seat	No	*
Doors:-Front door with fixed toughened glass & locking mechanism with wiper	Yes	*
Glasses:-Front wind screen, rear glass in two pieces glass	No	*
Paint:Standard automobile paint to the exterior body as per CVMR rules	Yes	*
Rear view large convex mirror	No	*

Performance Parameters	Front screen wiper	Yes	*
	Front and rear horn	Yes	*
	Number of roller	22	*
	Lift Path	Yes	*
	Cabin Entry and Exit	Yes	*
	Operation Control	Yes	*
	Length Without Attachment	6500	*
	ISO net engine power (HP@rpm)	271	*
	Maximum travel speed (high) (km/hr)	5.4	*
	Maximum travel speed (low) (km/hr)	3.2	*
	Braking performance	-	*
	Tipping Load (kN)	0	Any applicable numeric value
	Digging Tool used	Hoe	*
	maximum force by Shovel/hoe/clamshell using arm cylinder (kN)	162.8	*
	maximum force by Shovel/hoe/clamshell using bucket cylinder (kN)	225.6	*
	Warranty time	1	*
	Operating hours during warranty period	2000	Any applicable numeric value
	Battery warranty	1	*
	No Of Free services	7	*
	Maintenance cost for first 5000 Hrs (in Rupees)	600000	*
	Excavator Self propelled machine on crawlers having an upper structure capable of 360 degree swing and with mounted equipment which is primarily designed for excavating with bucket without movement of undercarriage during	Yes	*

	work cycle		
	Work cycle normally compromised excavating, elevating , swinging and discharging of material	Yes	*

* Specifications highlighted in bold are the Golden Parameters.

* Bidders may note that In respect of non-golden Parameters, the specifications 'Values' chosen by Buyer will generally be preferred over 'Bid requirement (allowed Values) by the Buyer.

Additional Specification Documents

Consignees/Reporting Officer and Quantity

S.No.	Consignee/Reporting Officer	Address	Quantity	Delivery Days
1	Gopal Krishna Swain	759116,Office of the Depot Officer, Central/Regional Stores, Jagannath /Area, P.O. Balanda, Dist-Angul-759116, Odisha	2	120
2	Ovais Ahmed. R	770076,Mahanadi Coalfields Limited, At & Po-Basundhara, Sundargarh, Basundhara-770076	1	120

Special terms and conditions for category Crawler Hydraulic Excavator

1. Only bid /RA option will be available for buyer as these equipments are not standard and freight Intensive product.
2. Test reports if any, desired by buyer will be provided by seller at the time of supply.
3. Operational and maintenance contract if desired by buyer will be provided as per their requirement.
4. Delivery period will be 90 days (normal).

Bid Specific Additional Terms and Conditions

1. IMPORTED PRODUCTS: In case of imported products, OEM or Authorized Seller of OEM should have a registered office in India to provide after sales service support in India. The certificate to this effect should be submitted.
2. Bidders can also submit the EMD with Account Payee Demand Draft in favour of Mahanadi Coalfields Limited payable at Sambalpur.
Bidder has to upload scanned copy / proof of the DD along with bid and has to ensure delivery of hardcopy to the Buyer within 5 days of Bid End date / Bid Opening date.
3. Successful Bidder can submit the Performance Security in the form of Account Payee Demand Draft also (besides PBG which is allowed as per GeM GTC). DD should be made in favour of Mahanadi Coalfields Limited payable at Sambalpur. After award of contract, Successful Bidder can upload scanned copy of the DD in place of PBG and has to ensure delivery of hard copy to the original DD to the Buyer within 15 days of award of contract.
4. Scope of supply (Bid price to include all cost components) : Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

5. The bidder is required to upload, along with the bid, all relevant certificates such as BIS licence, type test certificate, approval certificates and other certificates as prescribed in the Product Specification given in the bid document.
6. Timely Servicing / rectification of defects during warranty period: After having been notified of the defects / service requirement during warranty period, Seller has to complete the required Service / Rectification within 15 days time limit. If the Seller fails to complete service / rectification with defined time limit, a penalty of 0.5% of Unit Price of the product shall be charged as penalty for each week of delay from the seller. Seller can deposit the penalty with the Buyer directly else the Buyer shall have a right to recover all such penalty amount from the Performance Security (PBG). Cumulative Penalty cannot exceed more than 10% of the total contract value after which the Buyer shall have the right to get the service / rectification done from alternate sources at the risk and cost of the Seller besides forfeiture of PBG. Seller shall be liable to re-imburse the cost of such service / rectification to the Buyer.
7. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
8. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
9. Preference to Make In India products: Preference shall be given to local supplier as defined in public procurement (Preference to Make in India), Order 2017 as amended from time to time and its subsequent Orders/Notifications issued by concerned Nodal Ministry for specific Goods/Products. The minimum local content to qualify as a local supplier, should be as per relevant notification / order issued by the nodal ministry as available on the website of Department of Promotion of Industries and Internal Trade (DPIIT). If the bidder wants to avail the Purchase preference, the bidder must upload a certificate from the OEM regarding the percentage of the local content and the details of locations at which the local value addition is made along with their bid, failing which no purchase preference shall be granted. In case the bid value is more than Rs 10 Crore, the declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the OEM is a company and by a practicing cost accountant or a chartered accountant for OEMs other than companies as per the Public Procurement (preference to Make-in -India) order 2017 dated 29.5.2019.
10. Purchase preference to Micro and Small Enterprises (MSEs): Purchase preference will be given to MSEs as defined in Public Procurement Policy for Micro and Small Enterprises (MSEs) Order, 2012 dated 23.03.2012 issued by Ministry of Micro, Small and Medium Enterprises and its subsequent Orders/Notifications issued by concerned Ministry. If the bidder wants to avail the Purchase preference, the bidder must be the manufacturer of the offered product in case of bid for supply of goods. Traders are excluded from the purview of Public Procurement Policy for Micro and Small Enterprises. In respect of bid for Services, the bidder must be the Service provider of the offered Service. Relevant documentary evidence in this regard shall be uploaded along with the bid in respect of the offered product or service. If L-1 is not an MSE and MSE Seller (s) has/have quoted price within L-1+ 15% of margin of purchase preference /price band defined in relevant policy, such Seller shall be given opportunity to match L-1 price and contract will be awarded for percentage of 25% of total value.

[This Bid is also governed by the General Terms and Conditions](#)

---Thank You---