

Bid Document

Bid Details	
Bid End Date/Time	24-07-2020 15:00:00
Bid Opening Date/Time	24-07-2020 15:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Bihar
Department Name	Urban Development & Housing Department Bihar
Organisation Name	Urban Development And Housing Department
Office Name	Bikramganj Koath
Total Quantity	1
Item Category	Crawler Hydraulic Excavator
Bidder Turnover (Last 3 Years)	12 Lakh (s)
OEM Average Turnover (Last 3 Years)	26 Lakh (s)
Experience Criteria	3 Year (s)
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
Document required from seller	Experience Criteria,Past Performance,Bidder Turnover,Certificate (Requested in ATC),OEM Authorization Certificate,OEM Annual Turnover *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	80 %
Bid to RA enabled	No
Inspection Required	No

EMD Detail

Required	No
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ePBG Detail

Required	No
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Splitting

Bid splitting not applied.

1. Experience Criteria: In respect of the filter applied for experience criteria, the Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for number of years as indicated in the bid document before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the category of primary product having highest value should meet this criterion.
2. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
3. Past Performance: The Bidder or its OEM {themselves or through re-seller(s)} should have supplied same or similar Category Products for 80% 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 (1 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	Wheeled	*
	Operating mass	2870	More than 2870.0 Or higher
	Shipping mass	2805	More than 2805.0 Or higher
	Engine manufacturer and model	-	*
	Ignition type	Diesel	Diesel

Type of cycle	4 Stroke	4 Stroke
Aspiration	Naturally aspirated	*
No of cylinders	3	*
Bore	84	*
Stroke	90	*
Displacement (cc)	1496	*
Max Engine horsepower	24.7	More than 24.7 Or higher
Maximum Engine torque (Nm@rpm)	70.8	70.8
Engine cooling system	Liquid cooled	*
Type of fuel	Diesel	*
Starter type	-	*
Electrical system voltage (in volts)	12	*
Bucket capacity to handle material of density	0.077	0.077
ISO net flywheel power at given engine speed (hp@rpm)	21.1	More than 21.1 Or higher
Maximum swing speed	9.6	9.6
Reach at ground level	4770	4770.0
Depth reach	3050	More than 3050.0 Or higher
Travel speed	4.9	4.9
Gradeability (degree)	30	More than 30.0 Or higher
Force at bucket curl at the Tip	23	23.0
Stick crowding force	17	*
Ground Pressure	0.4	*
Operating weight	2870	More than 2870.0 Or higher
Draw bar pull	25	*
Standard Boom	2130	2130.0
Standard Arm	1300	1300.0
maximum digging depth	3050	More than 3050.0 Or higher

Certification	maximum digging Reach	4770	More than 4770.0 Or higher
	Rated Lift Capacity	750	750
	fuel tank capacity	56	56.0
	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: Equipment and attachments	Yes	*
	IS13116 : 2006 Earth-moving machinery -Engine Test Code - Net power	Yes	*
Construction Parameters	Overall length	4080	*
	Overall width	1550	*
	Overall height	2400	*

Overall transport length	4080	*
Width of upper structure	1550	*
Track overall length	1870	*
Track overall width when retracted	1502	*
Track overall width when extended	1502	*
Track shoe width	250	*
Centre to centre - idler to sprocket	1440	*
Upper structure ground clearance	528	*
minimum ground clearance	270	More than 270.0 Or higher
Tail swing radius (standard)	1220	*
Tail swing radius (counterweight)	1220	*
Backfill Blade height	268	*
Backfill blade width	1550	*
Backfill blade rise above ground	333	*
Backfill blade dig depth	405	*
Maximum Cutting height	4495	*
Maximum Loading height	3220	More than 3220.0 Or higher
Minimum Loading height	0	0.0
Maximum vertical wall digging depth	2080	*
Hydraulic pump system type	-	*
Hydraulic pump flow at given pressure (L/hr)	4212.6	*
Hydraulic pump flow at given speed (L/hr)	4212.6	*
Hydraulic system fluid capacity	71	*
Hydraulic system output	16	*
Cooling systsem fluid	8.5	*

capacity		
engine crankcase fluid capacity	4.5	*
pump drive fluid capacity	35	*
Swing reduction	0	*
Swing circle lubrication	-	*
Swing lock	-	*
swing drive fluid capacity	0	*
Filtration system	-	*
Fuel filters	-	*
Air Cleaners	Yes	*
Type of Steering	Power	*
Type of braking system	Hydraulic	*
Type of final drive	Single reduction	*
final drive fluid capacity	0	*
Type of Track	-	*
Track dimensions	250	*
Ground Contact area	7200	*
Number of shoes on each side	40	*
Number of carrier rollers	1	*
Number of track rollers	3	*
Cab height	2400	*
Crawler track height	455	*
Clearance height under upper structure	528	*
Undercarriage overall width	1502	*
Shipping height	2400	*
Shipping height with guard rail	2400	*
Shipping length	4080	*
tail swing radius	1220	*
Length to centre of rollers	1252	*
Counterweight clearance	528	*

Right-side upper structure distance from axles of rotation	775	*
cab width overall	950	*
Track gauge with track extended	1252	*
track gauge with track retracted	1252	*
Crawler overall length	1870	*
Sprocket axis to axis of rotation (in degrees)	360	*
Upper structure rearmost distance from axis of rotation	1220	*
Maximum dumping height for shovel	3220	*
Length of level floor cut	4660	*
Minimum level floor radius	0	*
Muffler with rain cap	Yes	*
Fuel Consumption for Earthwork application	4.3	*
Maximum dig radius	4660	*
Dig radius at groundline	4770	*
Maximum dig depth	3050	More than 3050.0 Or higher
Vertical straight wall dig depth	2080	*
Dump height	3220	More than 3220.0 Or higher
Overall reach height	4495	More than 4495.0 Or higher
Bucket rotation	180	*
Arm digging Force	17	*
Bucket Digging Force (ISO)	23	More than 23.0 Or higher
Stick Digging Force (ISO)	17	17.0
Bucket Digging Force (SAE)	23	*
Stick Digging Force (SAE)	17	*
Fully enclosed steel	Yes	*

cabin with safety pipes window locking service doors and adjustable cushion seal		
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	Yes	*
Doors:-Front door with fixed toughened glass & locking mechanism with wiper	Yes	*
Glasses:-Front wind screen, rear glass in two pieces glass	Yes	*
Paint:Standard automobile paint to the exterior body as per CVMR rules	Yes	*
Rear view large convex mirror	Yes	*
Front screen wiper	Yes	*
Front and rear horn	Yes	*
Number of roller	4	*
Lift Path	Yes	*
Cabin Entry and Exit	Yes	*
Operation Control	Yes	*

	Length Without Attachment	1870	*
Performance Parameters	ISO net engine power (HP@rpm)	22.1	*
	Maximum travel speed (high) (km/hr)	4.5	*
	Maximum travel speed (low) (km/hr)	2.5	*
	Braking performance	-	*
	Tipping Load (kN)	750	750
	Digging Tool used	Hoe	*
	maximum force by Shovel/hoe/clamshell using arm cylinder (kN)	17	*
	maximum force by Shovel/hoe/clamshell using bucket cylinder (kN)	23	*
	Warranty time	1	*
	Operating hours during warranty period	3000	3000.0, 0.0
	Battery warranty	1	*
	No Of Free services	6	*
	Transportation charge (in Rupees)	75000	*
	Maintenance cost for first 5000 Hrs (in Rupees)	135000	*
	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 work cycle	Yes	*
	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	Birendra Kumar Choudhary	802216,NAGAR PANCHAYAT KOATH	1	30

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. Experience Criteria: The Bidder or its OEM {themselves or through reseller(s)} should have regularly, manufactured and supplied same or similar Category Products to any Central / State Govt Organization / PSU / Public Listed Company for 3 years before the bid opening date. Copies of relevant contracts to be submitted along with bid in support of having supplied some quantity during each of the year. In case of bunch bids, the primary product having highest value should meet this criterion.
2. OPTION CLAUSE: The Purchaser reserves the right to increase or decrease the quantity to be ordered up to 25 percent at the time of placement of contract. The purchaser also reserves the right to increase the ordered quantity by up to 25% of the contracted quantity during the currency of the contract at the contracted rates. Bidders are bound to accept the orders accordingly.
3. 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.
4. Scope of supply (Bid price to include all cost components) : Only supply of Goods
5. Bidder's offer is liable to be rejected if they don't upload any of the certificates / documents sought in the Bid document, ATC and Corrigendum if any.
6. ISO 9001: The bidder must have ISO 9001 certification.
7. Material Test Certificate Should Be Sent Along with The Supply. The Material Will Be Checked by Buyer's Lab & the Results of the Lab will be the Sole Criteria for Acceptance of the Item.
8. 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.
9. Bid reserved for Make In India products: Procurement under this bid is reserved for purchase from Class 1 local suppliers 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 class 1 local supplier is denoted in the bid document 50%. All bidders 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 the bid is liable to be rejected. 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 04.06.2020 . In case Buyer has selected Purchase preference to Micro and Small Enterprises clause in the bid, the same will get precedence over this clause.

10. Indian suppliers of this item are not allowed to participate and/ or compete in procurement by some foreign governments. Bidders / products from such countries are not eligible / not allowed to participate in this bid in terms of clause 1 (d) of Public Procurement (Preference to Make in India) Order, 2017
11. Bidder Turn Over Criteria: The minimum average annual financial turnover of the bidder during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the bidder is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria.
12. OEM Turn Over Criteria: The minimum average annual financial turnover of the OEM of the offered product during the last three years, ending on 31st March of the previous financial year, should be as indicated in the bid document. Documentary evidence in the form of certified Audited Balance Sheets of relevant periods or a certificate from the Chartered Accountant / Cost Accountant indicating the turnover details for the relevant period shall be uploaded with the bid. In case the date of constitution / incorporation of the OEM is less than 3 year old, the average turnover in respect of the completed financial years after the date of constitution shall be taken into account for this criteria. In case of bunch bids, the OEM of CATEGORY RELATED TO primary product having highest bid value should meet this criterion.
13. Availability of Service Centres: Bidder/OEM must have a Functional Service Centre in the State of each Consignee's Location in case of carry-in warranty. (Not applicable in case of goods having on-site warranty). If service center is not already there at the time of bidding, successful bidder / OEM shall have to establish one within 30 days of award of contract. Payment shall be released only after submission of documentary evidence of having Functional Service Centre.
14. Dedicated /toll Free Telephone No. for Service Support : BIDDER/OEM must have Dedicated/toll Free Telephone No. for Service Support.
15. Escalation Matrix For Service Support : Bidder/OEM must provide Escalation Matrix of Telephone Numbers for Service Support.
16. For fulfilling the experience criteria any one of the following documents may be considered as valid proof for meeting the experience criteria:
 - a. Purchase Order copy along with Invoice(s) with self-certification by the bidder that supplies against the invoices have been executed.
 - b. Execution certificate by client with order value.
 - c. Any other document in support of order execution like Third Party Inspection release note, etc.
17. The Bidder / OEM {themselves or through reseller(s)}, should have executed project for supply and installation / commissioning of same or similar Category Products during preceding 3 financial years (i.e. current year and three previous financial years) as on opening of bid, as per following criteria:

- (i) Single order of at least 35% of estimated bid value; or
- (ii) Two orders of at least 20% each of estimated bid value; or
- (iii) Three orders of at least 15% each of estimated bid value.

Satisfactory Performance certificate issued by respective Buyer Organization for the above Orders should be uploaded with bid. In case of bunch bids, the Category related to primary

product having highest bid value should meet this criterion

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

---Thank You---