

### Bid Document

Bid Details	
Bid End Date/Time	18-07-2020 18:00:00
Bid Opening Date/Time	18-07-2020 18:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Chhattisgarh
Department Name	Urban Development Department Chhattisgarh
Organisation Name	N/a
Office Name	Sheorinarayan
Total Quantity	1
Item Category	Automatic Fully Mechanised Organic Waste Machine for Compost
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	50 %
Bid to RA enabled	No
Inspection Required	No

### EMD Detail

Required	No
----------	----

### ePBG Detail

Required	No
----------	----

### 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. 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.

## Automatic Fully Mechanised Organic Waste Machine For Compost ( 1 pieces )

### Technical Specifications

[\\* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
Generic Parameters	Type of Plant	Fully Automatic, Aerobic	*
	Type of Waste	Domestic Food waste + horticulture waste	*
	<b>Type of machine</b>	Fully Automatic (PLC Based)	Fully Automatic (PLC Based), Non PLC based
	<b>Reprocessing Capacity of Machine (Kgs)</b>	100	*
	Process	Continuous (operation 24x7hrs)	*
	<b>Chamber volume (approx Six times to reprocessing capacity of machine) (Itrs)</b>	650 for 100 kgs reprocessing capacity	*
	Material of vessel and shaft	SS – 304 of suitable thickness	*
	<b>Material of body cover</b>	Fibre/MS as per IS2062 grade A with epoxy coating	SS – 202 of suitable thickness, Fibre, Fibre/MS as per IS2062 grade A with epoxy

		coating
Machine should have no sharp edges, welds/ joints should not be visible outside	Yes	*
Gear Motor (BEE star rated)	Yes	*
<b>Gear Motor (BEE star rating)</b>	3	Above 3
<b>Gear Motor</b>	Planetary Gear (Direct drive)	Planetary Gear (Direct drive), Helical Gear
Gear Motor of reputed make / BIS/ ISO quality parts should be used	Yes	*
<b>Heating System</b>	Thermic Oil	Blanket type (Thermopad, Thermic Oil, Solar type dehydration, ceramic type)
Dimension of Machine	-	*
<b>Power Consumption (KW)</b>	Max 6 for 100 kgs reprocessing capacity	*
<b>Power requirement</b>	440 V, 3-phase,above 100kg	single phase upto 100 kgs, 440 V, 3-phase,above 100kg
Waste Shredder	Shred waste up to 25mm. Output 0.5 mm,	*
Twin Shaft Shredder	Yes	*
<b>Capacity Twin Shaft Shredder (Kg/hr)</b>	100	Any applicable numeric value
<b>Material of Blade of Twin Shaft Shredder</b>	EN-08	SS-304, SS-306, carbon Steel, EN-08
<b>Blade Thickness of Twin Shaft Shredder</b>	5	5
Material of Hopper of Twin Shaft Shredder	SS-304	*
<b>Sheet thickness of Hoper of Twin Shaft Shredder</b>	2	Above 2
Motor of Twin Shaft Shredder	Yes	*
<b>Feeding into Shredder</b>	Manual	Manual, Automatic
<b>Electric Motor Power Rating for Twin Shaft Shredder confirming to IS:325 latest revision</b>	1	Any applicable numeric value

Stand Alone Control Panel with minimum degree of protection IP - 53 conforming to IS-2147	Yes	*
All control panel parts should be of standard brands quality parts should be used	Yes	*
<b>Material of Canopy of control panel confirming to IS:2062 latest</b>	Powder coated mild steel	Powder coated mild steel, SS-302
ISI Marked MCB/Relay	Yes	*
Standard ISI Marked Air Blower	Yes	*
Air Blower with damper control	Yes	*
<b>Air flow capacity of Air Blower (Cubic ft)</b>	650	Above 200
Motor of Air Blower	Yes	*
<b>Electric Motor Power Rating for Air Blower confirming to IS:325 latest revision</b>	1	Above 1
Motor and Blower have overload and current protection	Yes	*
All control panel parts should be of standard brands Quality parts should be used	Yes	*
<b>Bioculture requirement</b>	Yes	Yes, No
Type of Bioculture	Aerobic Mircrobial Culture	*
Odour Control Powder/agent	Yes	*
Output compost Quality as per Fertilizer Control Order Standards	Yes	*
Compost production	Minimum 20 -25 % of input waste quantity	*
Condition and State of output Compost	Enriched and Dry	*
Output Compost - Easy to pack in bags	Yes	*

	<b>Compostable material removal</b>	Once in 24 hours for continuous plug system	Once in 24 hours for continuous plug system, Once in 5-7 days for batch system
	Temperature of digester	60 Deg. C +/- 10 Deg. C	*
	Safety Features	Emergency switch, overload indication function and Safety Switch Safety feature: Internal mixing blades automatically stop when input door is opened	*
	No harmful gases like Ammonia, Sulphur di-oxide, Methane, Carbon di-oxide should be generated	Yes	*
	confirm the stipulated guidelines of CPCB & SWM Rules, 2016	Yes	*
	<b>Comprehensive Warranty of Plant</b>	5	Above 5
	<b>Noise Level of Plant during Operation (dB)</b>	-75	Up to 70
	Harmful Emission by the Plant	No	*
	Burning and Chemical use	No	*
Certification	Norms and Specifications	As per Solid Waste Management Rules 2016 and conforming to FCO compost Quality Standard	*
	Availability of Test Report from Central Government/NABL for compost quality	Yes	*
	Test Report No	-	*
	Test Report Date	-	*
	Name of the Lab	-	*
	Address of the Lab	-	*
	Original Test reports to be produced on demand to Buyer	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	Manoj Kumar Patel	495557,SEORINARAYAN DIST-JANJGIR-CHAMPA	1	30

### **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. 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.
3. 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.
4. 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 10 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.
5. 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.
6. Scope of supply (Bid price to include all cost components) : Only supply of Goods

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

**---Thank You---**