

### Bid Document

Bid Details	
Bid End Date/Time	20-07-2020 13:00:00
Bid Opening Date/Time	20-07-2020 13:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	60 (Days)
Ministry/State Name	Ministry Of Coal
Department Name	Materials Management
Organisation Name	Northern Coalfields Limited
Office Name	Singrauli
Total Quantity	2
Item Category	Automatic Fully Mechanised Organic Waste Machine for Compost Non Heating Type
MSE Exemption for Years of Experience and Turnover	No
Startup Exemption for Years of Experience and Turnover	No
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.

### Automatic Fully Mechanised Organic Waste Machine For Compost Non Heating Type ( 2 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 + Green Waste	*
	<b>Type of machine</b>	Non PLC based	Non PLC based
	<b>Reprocessing Capacity of Machine (Kgs)</b>	20	20
	<b>Material of vessel and shaft</b>	SS – 304 of suitable thickness	SS – 304 of suitable thickness
	<b>Material of body cover</b>	SS – 202 of suitable thickness	SS – 202 of suitable thickness
	Machine should have no sharp edges, welds/ joints should not be visible outside	Yes	*
	Dimension of Machine	-	*
	Twin Shaft Shredder	Yes	*
	<b>Capacity Twin Shaft Shredder (Kg/hr)</b>	5	More than 5.0 Or higher
	<b>Material of Blade of Twin Shaft Shredder</b>	SS-304	SS-304
	Blade Thickness of Twin Shaft Shredder	5	*
	Material of Hopper of Twin Shaft Shredder	SS-304	*
	Sheet thickness of Hopper of Twin Shaft Shredder	2	*
	Motor of Twin Shaft Shredder	Yes	*
	<b>Feeding into Shredder</b>	Manual	Manual
	Electric Motor Power Rating for Twin Shaft Shredder confirming to IS:325 latest revision	3	*
	Stand Alone Control Panel with minimum degree of protection IP - 53 conforming to	No	*

IS-2147		
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
ISI Marked MCB/Relay	Yes	*
Standard ISI Marked Air Blower	Yes	*
Air Blower with damper control	Yes	*
Air flow capacity of Air Blower (Cubic ft)	500	*
Motor of Air Blower	Yes	*
Electric Motor Power Rating for Air Blower confirming to IS:325 latest revision	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>	No	No
Type of Bioculture	Aerobic Microbial 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
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	*
	Comprehensive Warranty of Plant	5	*
	<b>Noise Level of Plant during Operation (dB)</b>	10	Less than 10.0 Or lower
	Harmful Emission by the Plant	No	*
	Burning and Chemical use	No	*
	Running Hours Per day	8	*
	Power Consumption	0.5	*
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	Venu Gopal	231222,REGIONAL STORES, DUDHICHUA PROJECT, PO - KHADIA DISTT - SONBHADRA U.P.	2	30

**Bid Specific Additional Terms and Conditions**

1. 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---**