

Bid Document

Bid Details	
Bid End Date/Time	09-07-2020 14:00:00
Bid Opening Date/Time	2020-07-09 14:30:00
Bid Life Cycle (From Publish Date)	90 (Days)
Bid Offer Validity (From End Date)	30 (Days)
Ministry/State Name	Ministry Of Power
Department Name	Contracts And Materials
Organisation Name	Power System Operation Corporation Limited
Office Name	Srldc Bangalore
Total Quantity	5
Item Category	Sanitary Napkins Incinerator Machine with Smoke Control Unit
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.

Sanitary Napkins Incinerator Machine With Smoke Control Unit (5 pieces

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Technical Specifications

[* As per GeM Category Specification](#)

Specification	Specification Name	Values	Bid Requirement (Allowed Values)
GENERAL	Type	Floor Mountable	*
	Purpose	Burn used Sanitary Napkins to sterile ash and stop automatically	*
	Color	Blue	*
	Operation Mode	Electronically operated, fully Automatic	*
	Loading Type	Front loading	*
	Stand provided	Yes	Yes
	Number of chambers	Two	*
	Trap Door available	Yes	*
	All MS parts Powder coated	Yes	*
	Spare parts should be available for Minimum 5 years from date of supply	Yes	*
	All electrical parts are ISI Marked	Yes	*
DIMENSIONS OF MAIN UNIT	Thickness of thermal Insulation material (mm)	40	40.0
	Thickness of MS/SS sheet of housing cabinet (external) (mm)	1.2	*
	Thickness of MS/SS sheet of burning chamber (internal) (mm) (Min)	3	3, 5 Or higher
	Machine Width(mm)	301-400	*
	Machine Depth (mm)	301-500	*
	Machine Hight(mm)	901-1200	*
	Machine Weight(kg)	31-50	31-50
	Door width(mm)	500-100	*
	Door height(mm)	151-200	*
	Thickness of door	25	25.0

	including insulation (mm)		
	Internal/burning chamber shape	Vertical cylindrical	*
	Flexible emission Outlet pipe dia (mm)	50	50.0
	Detachable ash tray length (mm)	201-300	*
	Detachable ash tray width (mm)	151-200	*
	Detachable ash tray height (mm)	16-30	*
	Stand Height (mm)	660	*
	Stand Width (mm)	301-400	*
	Stand Depth (mm)	301-500	*
MATERIAL OF MACHINE UNIT	Material of Housing cabinet (External)	Mild Steel(CRCA) sheet	Mild Steel(CRCA) sheet
	Material of Burning chamber (Internal)	Stainless Steel sheet of SS-304 grade	Stainless Steel sheet of SS-304 grade
	Finish of MS parts of cabinet	NA	*
	Material of Thermal Insulation	High Density Ceramic Board	High Density Ceramic Board
CONSTRUCTIONAL FEATURES	Thermal insulation of burning chamber housed in outer chamber	Yes	*
	Burning Chamber tray provided	Yes	*
	Emission Outlet pipe location	Top of machine	*
	Means of connecting the unit outlet with flue gas emission pipe	Flanged	*
	Type of door lock provided	Latch lock	*
CONTROL & FUNCTIONAL FEATURES	Temperature indicator provided	Yes	Yes
	Timer provided	Yes	*
	Auto cut-off temperature display	Yes	*
	Digital display to see actual and set temperature	Yes	*
	Minimum Burning temperature (degree	800	800

ELECTRICAL AND SAFETY FEATURES	C)		
	Burning Capacity per day (Number of Napkins)	1000-1250	1000-1250
	Burning Capacity at a time (Number of Napkins)	26-50	26-50
	Residue Ash per Napkin (gms)	1.5	*
	Burning time of full capacity Napkins/pads (minutes) (Max)	30	30.0
	Skin temperature of the unit under operation (deg C)	0-15	*
	Installation, training, demonstration and plumbing included	Yes	*
	Automatic digital controller for time	Yes	Yes
	Automatic digital controller for temperature	Yes	Yes
	Equipment ON/OFF indicator provided	Yes	*
	Power supply	230v +/-10%, 50Hz, Single phase, AC supply	*
	Electrical Power Consumption(Watt)	1001-1500	*
	Minimum length of power chord to be supplied along with machine (mtr)	2	*
	Type of Heater	Ceramic heater containing coil	*
	Power saver (auto power cut-off)	Yes	*
	Safety MCB provided (16A to 30A)	Yes	*
	Protection against electric shock when checked as per IS:302-1/2008	Yes	*
	Minimum Insulation Resistance (IR) at 500 VDC (Mega Ohm)	2	*

SMOKE CONTROL UNIT (SCU)	Maximum Electrical Insulation and Leakage current as per IS:302-1/2008, (mA)	0.21	*
	Maximum Earthing continuity test when tested as per IS:302-1/2008 (Ohm)	0.1	*
	HV test at 1000 V rms for 1 Sec when tested as per IS:302-1/2008	No breakdown shall occur during the test	*
	Type of SCU (Smoke Control Unit)	Top mounted	Top mounted
	Material of housing of Smoke Control Unit (SCU)	Mild Steel(CRCA) cabinet	Mild Steel(CRCA) cabinet
	Finish of MS parts of SCU cabinet	NA	*
	Overall height of SCU (mm)	300	*
	Overall width of SCU (mm)	100-300	*
	Overall depth of SCU (mm)	100-300	*
	Number of chambers for filtration of smoke emission	Two	*
	Both carbon Control and Foul odour Control Chambers for filtration of smoke emission	Yes	Yes
	Number of filters in Carbon control chamber	One	One
	Type of filters in Carbon control chamber	Ceramic blanket as a filter	Ceramic blanket as a filter
	Number of filters in Odour control chamber	One	One
	Type of filters in Odour control chamber	Activated Carbon filter	*
	Blower type	"Centrifugal, direct driven"	*
	Blower RPM	1800	1800
	Power supply of SCU	230v +/-10%, 50Hz, Single phase, AC	*

		supply	
	Minimum length of flexible emission outlet pipe to be supplied along with machine (mtr)	3	*
	Cost of additional flexible emission outlet pipe, if required on actuals to be paid by the user	Yes	*
EMISSION STANDARD FOR SMOKE	Conformity to CPCB, Min of Environment & Forests standard, Solid Waste Management Rules (SWM), 2016	Yes	*
	Particulates (Half hourly average) (mg/Nm3) (Max)	50	*
	HCl (Half hourly average) (mg/Nm3) (Max)	50	*
	SO2 (Half hourly average) (mg/Nm3) (max)	200	*
	CO (Half hourly average) (mg/Nm3) (Max)	100	*
	CO (Daily average) (mg/Nm3) (Max)	50	*
	Total Organic Carbon (Half hourly average) (mg/Nm3) (Max)	20	*
	HF (Half hourly average) (mg/Nm3) (Max)	4	*
	"Nox (NO and NO2 expressed as NO2) (Half hourly average) (mg/Nm3) (Max)"	400	*
	Total dioxins and furans (6 to 8 hours sampling basis, Please refer guidelines for 17 concerned congeners for toxic equivalence values to arrive at total toxic equivalence) (ng TEQ/Nm3) (Max)	0.1	*
	Cd + Th + their	0.05	*

	compounds (Sampling time anywhere between 30 minutes and 8 hours) (mg/Nm3) (Max)		
	Hg and its compounds (Sampling time anywhere between 30 minutes and 8 hours) (mg/Nm3) (Max)	0.05	*
	Sb+As+Pb+Cr+Co+Cu +Mn+Ni+V+their compounds (Sampling time anywhere between 30 minutes and 8 hours) (mg/Nm3) (Max)	0.5	*
	Loss on ignition (max) (% dry weight of the material)	5	*
PACKING	Packing	Carton Box	*
MARKING AND INSTRUCTIONS	The appliance is marked as per IS:302-1/2008	Yes	*
CERTIFICATION	Submission of Test Report from Central Govt/CSIR Lab/NABL/ILAC accredited Lab specifically containing Electrical & Electronic parameters,Thermal insulation material of burning chamber in addition to declared specification parameter at time of supply	Yes	*
	Submission Test Report for equipment for compliance of Flue gas emission and ash upon combustion of Sanitary Napkins/Pads to Central Pollution Control Board (CPCB) norms from NABL accredited lab/CSIR Lab at the time of supply	Yes	*
	Certification Available	Other	Other
	Certificate for Manufacturing premises available	ISO	*

	Compliance certificate is to be furnished after conducting comprehensive performance test by the supplier	Yes	*
	Submission of all the certifications to the buyer along with supplies	Yes	*
PERFORMANCE REQUIREMENTS	Warranty (Yrs)	1	1, 2, 3, 4, 5 Or higher

* 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	H T Divith	560009,SRLDC POSOCO 29 Race Course Cross Road Bangalore	5	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---