

TENDER FORM FOR PURCHASE, SUPPLY, INSTALLATION & COMMISSIONING OF 01 X DIESEL GENERATOR SET (160KVA) SILENT FOR SENIOR WING OF ARMY PUBLIC SCHOOL, AMBALA CANTT

1. Name of Firm/Contractor : _____
with full address, tele No & Email. _____
Tele No _____
Email No _____
2. GST No of the Firm/Contractor : _____
3. PAN No of the Firm/Contractor : _____

4. **Details of Work**

Ser No	Nature of Work	A/U	Qty	Rate per item	GST %	Total cost per item
1.	Purchase, supply, installation & commissioning of 01 x Diesel Generator Set Silent (160KVA) at Senior Wing of Army Public School Ambala Cantt. Detailed specifications & Financial bids att as per Annexure-I & Annexure-II. Make : GREAVES / KIRLOSKAR / CUMMINGS	Nos	01			

5. Time for completion of the work/supply of items shall be 30 days from the date of issue of work order/supply order.

6. Failure to complete the work within the period of completion shall invite reduction of compensation at the rate of 0.2% of the contract amount per week till completion of work to the satisfaction of the School Management. The School Management may consider grant of extension of time beyond the initial period of completion in case he is fully satisfied that the delay is due to circumstance beyond control of the contractor.

7. No sub-letting of any part of portion of the work shall be permitted and it shall be the sole responsibility of the contractor undertaking the work to complete the work within time.

8. No advance payment shall be made.

9. The rates quoted by the contractor shall include all applicable taxes, octroi, tpt, loading/unloading and labour charges. Rates once quoted will be valid for minimum six months.

10. The bidder shall submit sealed envelope – **SUPERSCRIBED "TENDER FOR PURCHASE, SUPPLY, INSTALLATION & COMMISSIONING OF DIESEL GENERATOR SET AT APS AMBALA CANTT."**

11. Last date of receipt of sealed tenders duly completed is 1300 hrs on 28 Aug 2024. All bids received after 1300 hrs on 28 Aug 2024 shall be considered invalid and shall not be opened. Tenders will be opened on 29 Aug 2024 at 1000 Hrs.

12. **'TECHNICAL BID' AND FINANCIAL BIDS/ COMMERCIAL BIDS WILL BE PROPERLY SEALED IN SEPARATE ENVELOPES.**

13. **FINANCIAL BIDS/ COMMERCIAL BIDS OF AGENCY/VENDORS WILL ONLY BE OPENED THOSE WHO QUALIFY THE TERMS AND CONDITIONS OF 'TECHNICAL BID'.**

14. This office reserves the right to cancel/accept/reject any/all tenders without assigning any reason for the same and decision of this institution will be final and binding. Qty of items to be purchased may vary/decrease as per requirement.

15. **Note.** Successful bidder will provide/show the samples of items with their bids and will work as per specifications given by the school to the vendor.

16. Commercial Bid Amount - Rs. _____
GST% - Rs. _____
Total - Rs. _____

Station : Ambala Cantt

(Signature of Bidder with stamp
Accepting the above terms & conditions)

Date : Aug 2024

QUALITATIVE REQUIREMENTS FOR PROCUREMENT OF DIESEL GENERATOR SET (160KVA) SILENT FOR SENIOR WING OF ARMY PUBLIC SCHOOL, AMBALA CANTT

Genset Specification**MAKE – GREAVES / KIRLOSKAR / CUMMINS**

S. No	Type	Tech Specifications	Complied Yes / No	Deviation If any
1.	<u>Gen Set Specification</u>			
	Genset rating	Prime		
	Genset output (KVA/KWE)	160 / 128		
	Genset model	GPWII-PIV-160M		
	Gross engine Power (KWm)	144.5		
	Gross engine Power (HP)	196.6		
	Engine model	6G11TAG32 / 6G11TAG44		
	Aspiration / Cooling	TCAC		
	No of Cylinders / Arrangement	6 / inline		
	Displacement(L)	7.31		
	Bore x Stroke (mm)	108 x 133		
	Compression ratio	16.8		
	Rated RPM	1500		
	Overspeed trip (RPM)	1650		
	Governor type / DG Performance Class	Elec / G3		
	Frequency Regulation	Isochronous		
	Air cleaner type / Qty	Dry / 01		
2	<u>Exhaust System</u>			
	Max allowable backpressure(KPA)	13		
	Exhaust temperature (Deg C)	525		
	Silencer type	Residential		
	Aftertreatment System	DOC+SCR+ASC		
3	<u>Engine electrical System</u>			
	Charging alternator VDC / Amps	12V / 35A		
	Starter motor rated voltage (DC)	12		
	Battery Voltage (DC) / Capacity (AH)	12 V / 130 AH		
4	<u>Fuel System</u>			
	Recommended fuel	IS 1460, HSD		
	Fuel tank capacity (L)	Min 260		
5	<u>Fuel Consumption @ load(LPH)(Including radiator fan + other accessories)</u>			
	LPH @ 100%	34.50 / 33.50		
	LPH @ 75%	26.20 / 25.20		
6	<u>Lubricating Oil System</u>			
	Lube oil sump capacity (L)	17.5		
	Lube oil change period (Hrs)	500		
	Lube oil consumption(% of SFC)	≤0.06%		
	Lube oil filter type / qty	Spin on / 01		
	Recommended lube oil grade	15W40, API CI4+		
	Recommended lube oil	Greaves Maxtherm		

S. No	Type	Tech Specifications	Complied Yes / No	Deviation If any
7	<u>Alternator Specification</u>			
	Alternator Make	LS		
	Voltage (3P)	415		
	Frequency (Hz)	50		
	Current (3P) (Amps)	222.4		
	Type	4P, rotating field		
	Voltage regulator	Automatic		
	Voltage regulation -%	+1%		
	Insulation class	H		
	Temperature rise (Deg C)	125		
	Bearing (Qty / type)	1, sealed		
	Coupling	Flex disc		
	Unbalanced load capability	25% of rate amps		
8	<u>Cooling System</u>			
	Max ambient capability (Deg C)	50		
	Coolant capacity (Eng + Rad) (L)	35		
9	<u>Controller</u>			
	Controller Model	DSE 6120 MKIII		
10	<u>DEF System</u>			
	Recommended fuel	ISO 22241, DIN 70070		
	DEF Tank Capacity (L)	40		
11	<u>DEF Consumption</u>			
	LPH @ 100%	1.7		
	LPH @ 75%	1.3		
12	<u>Genset Outer Dimensions</u>			
	Length(L) X Width(W) X Height(H) (mm)	4020 x 1500 x 2300		
	Dry Weight (Approx) (kg)	2210		
13	Warranty			
	Engine	Min 05 Years / 5000hrs whichever earlier		
	Alternator	Min 05 Years		
	Panel & Accessories	Min 02 Years		

Place :

Name & Address of Firm

Date : Aug 2024

Authorised Signature & Seal of Firm

Annexure -II

PERFORMA FOR SUBMISSION OF FINANCIAL BID FOR PURCHASE, SUPPLY, INSTALLATION & COMMISSIONING OF 01 X DIESEL GENERATOR SET (160KVA) SILENT FOR SENIOR WING OF ARMY PUBLIC SCHOOL, AMBALA CANTT

S No	Item	Qty	Basic rate of item (In Rupees)	Taxes / GST %	Net Amount inclusive of taxes (in Rupees)
1.	Purchase, supply, installation & commissioning of 01 x Diesel Generator Set Silent (160KVA) at Senior Wing of Army Public School Ambala Cantt. As per specifications / Technical bid & Financial / Commercial bids att as per Annexure-I & Annexure-II.	01 (One)			

Place :

Date : Aug 2024

Name & Address of Firm

Authorised Signature & Seal of Firm