



**ALAGAPPA UNIVERSITY
KARAIKUDI – 630 003**

**TENDER DOCUMENT
TECHNICAL BID**

FOR

**SUPPLY AND COMMISSIONING OF 125 KVA,
3 PHASE DG SET- 1 No.**

AT

**ALAGAPPA UNIVERSITY
KARAIKUDI - 630 003**

**SUPPLY AND COMMISSIONING OF 125 KVA, 3 PHASE DG SET
IN ADMINISTRATIVE BUILDING IN ALAGAPPA UNIVERSITY,
KARAIKUDI - 630 003**

CHECK SLIP

Sl.No	Description	Enclosed
1.	Cost of Tender schedule + VAT	Yes / No
2.	EMD for Rs.7,000/- DD enclosed.	Yes / No
3.	The Firm must have 10 years experience in this Gen set business.	Yes / No
4.	Annual turnover certificate	Yes / No
5.	Dealer certificate	Yes / No
6.	Income Tax Return	Yes / No
7.	PAN No.	Yes / No

Signature of the Tenderer
with seal



**ALAGAPPA UNIVERSITY
KARAIKUDI – 630 003**

ALU/EDM/Elec/125 KVA Generator/Tender/5340/2017

Date : 11.03.2017

NOTICE INVITING TENDER
(Two Cover System)

Sealed Tenders are invited by the Registrar, Alagappa University, Karaikudi for Supply and commissioning of 125 KVA, 3 phase DG set in the Dept. of Oceanography and Coastal Area Studies of Alagappa University at Thondi campus site under “Two cover system” i.e., one for Technical Bid containing EMD and Technical qualification and another for Commercial bid containing Tender schedule. The commercial bid will be opened on satisfactory submission of Technical Bid.

Tender documents can be obtained from Registrar, Alagappa University, Karaikudi – 630 003, in person on payment of Rs.1500/- (Cost of Tender form + VAT @ 5 %) by DD (non refundable) drawn in favour of The Registrar, Alagappa University, Karaikudi on any working day upto 17.03.2017 (5.30 P.M.) during the period. Tender document may be obtained by post on payment of Rs.100/- extra for postage (Cost of tender Rs.1500 + VAT + Postage charges Rs.100/-). Tender form can also be downloaded from website www.alagappauniversity.ac.in and in such case cost of tender document in the form of Demand Draft for Rs.2,000/- towards the cost of tender +5% VAT (Rs.1500+Rs.500) is to be attached, while submitting the tender.

Tender along with EMD of Rs.7,000/- by means of Demand Draft in favour of the Registrar, Alagappa University at Karaikudi on any Nationalised/Scheduled bank payable at Karaikudi with technical qualification. Technical bid cover containing with Demand Draft number, date, amount and technical qualification put in a separate cover (1) and another cover (2) containing tender rate along with tender schedule. These two covers should be put in one cover with superscribing the name of the supply with sealed envelope should reach the Registrar, Alagappa University, Karaikudi at 3.00 p.m. on or before 20.03.2017 which Technical bid will be opened at 4.00 p.m. on the same day in the presence of the tenderers.

Signature of the Tenderer
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Schedule of issue and submission of Bids

Sl. No	Item	Time and Date
1	Issue of tender documents	Up to 17.03.2017 (10.00 AM -5.30 PM)
2.	Last date for submission of tender	20.03.2017 - 3.00 PM
3.	Technical Bid opening	20.03.2017 - 4.00 PM

The Registrar, Alagappa University reserves the right to accept or reject any or all the tenders without assigning any reason whatsoever and his decision shall be final and binding.

Signature of the Tenderer
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TECHNICAL BID FOR SUPPLY AND COMMISSION OF 125 KVA
3 PHASE DG SET

	<u>Technical bid should contain the following:</u>
1)	The supplier who have supplied similar (or) higher capacity DG set supplied, erected, commissioned in the past 3 years should only quote. Proof to be enclosed.
2)	The Performance letter for satisfactory working of the DG set being sold to the various firms/organizations should be enclosed along with the offer.
3)	Authorized dealer certificate to be enclosed.
4)	Income Tax return Certificate to be enclosed
5)	PAN No. Xerox copy to be enclosed

Signature of the Tenderer
with seal



**ALAGAPPA UNIVERSITY
KARAIKUDI – 630 003**

**TENDER DOCUMENT
COMMERCIAL BID**

FOR

**SUPPLY AND COMMISSIONING OF 125 KVA,
3 PHASE DG SET- 1 No.**

**TERMS AND CONDITIONS FOR SUPPLY AND COMMISSIONING
OF 125 KVA, 3 PHASE DG SET 1 No. IN DEPT. OF
OCEANOGRAPHY AND COASTAL AREA STUDIES OF
ALAGAPPA UNIVERSITY AT THONDI CAMPUS**

1. Tenders without EMD and incomplete tenders are liable to be rejected.
2. EMD will be liable to be forfeited if the Contractor selected for the work fails to accept and sign the formal agreement or to start the work on the date stipulated in the work order.
3. The tender submitted shall remain valid for 90 days from the date of opening for the purpose of acceptance and award of work. Validity beyond 90 days from the date of opening shall be by mutual consent.
4. No interest on EMD shall be paid by Alagappa University to the Tenderer.
5. The Registrar, Alagappa University, Karaikudi, reserves the right to accept or reject any or all the tenders without assigning any reason whatsoever and his decision shall be final and binding on the Contractor.

Signature of the Tenderer
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TECHNICAL SPECIFICATION

1)	<p>Supply and commissioning of Genset Model KG1-125WS D.G. Set with Kirloskar make engine model 4K1080TA G2 (meeting Emission & Noise Compliant COCB II) developing 156 Bhp, Water cooled coupled with Kirloskar Green make 125 kVA (100 kW) 3 phase, 415V, 1500 RPM alternator, Std. Control panel, Base frame, Fuel tank (230 litres) KOEL GREEN battery (130 AH) with leads (charged) and other accessories with type approved integral KG Canopy as a complete set. Including first fill of lube oil and Engine safeties – LLOP, HWT</p>
	<p><u>ACOUSTIC ENCLOSURE:</u> KIRLOSKAR GREEN Acoustic enclosure shall be powder coated and fabricated out of 16 SWG CRCA MS sheet. The silent canopy shall be of nut bolt type construction. Critical processes of punching is done on CNC machines to maintain dimensional accuracy of holes within 0.1 mm. Powder coating is done after seven-tank surface preparation process of sheet metal. Canopy panel and doors shall have inside lining of world class higher density acoustic FIRE-RETARDANT foam (confirming to BS 4735/BIS 7888). Four hinged doors with rubber binding and stainless steel door locks shall be provided to canopy. The hot chamber of the canopy is properly insulated by mineral wool and aluminium foil to prevent excess heat radiation on the engine and safe for operator. Sound level of KG Canopy as per CPCB norms will be 75 dbs at 1 meter distance from the enclosure surface [average] in an open installation [free field condition], db level may vary according to place of installations.</p>
	<p><u>BASE FRAME:</u> Base frame is fabricated in sheet metal. The base frame is rugged in construction and designed for KOEL engine and KG brush less alternator close coupled, with cross members mounted on AVM. The base frame shall have provision for mounting of acoustic, enclosure & control panel on it. The base frame is having provision of lifting hook for convenient lifting of complete set, i.e., along with canopy, engine and alternator.</p>
	<p><u>SURFACE TREATMENT - PAINTING:</u> The enclosure surface shall be suitably treated for degreasing, derusting and phosphating. The canopies are passed through seven-tank treatment thoroughly.</p>
	<p><u>FUEL TANK:</u> Removable fuel tank with locks shall be fabricated out of 14SWG CRCA MS sheet and is part of base frame. It is duly painted and fitted with inlet and outlet connections and electronical fuel gauge. Fuel tank can be easily removed for cleaning or any maintenance.</p>

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	<p><u>EASY TO INSTALL:</u> Silent Conopy D.G.Set can be installed at a level ground surface capable of withstanding total weight.</p>
	<p><u>SIZE (DIMENSIONS IN MM)</u> L x W x H 3240 x 1340 x 1795 x (125 KVA)</p>
2)	<p><u>EMD:</u> The tender should submit EMD along with Technical bid of Tender for Rs.7,000/-. Tenders received without EMD will be rejected and will not be opened.</p>
3)	<p><u>DELIVERY:</u> Delivery time is essence of the contract and the work must be carried out with diligence strictly in accordance with the delivery schedule of 1 month from the date of Letter of Intent.</p>
4)	<p><u>PRICE:</u> The Tendered Price should be firm, no variation in the tender prices will be allowed due to fluctuations in the market prices of any raw materials, plant consumables, labour or any other account. The tender price should also have erection & commissioning charges (Exclusive of civil works) separately. The Tenderer should quote for delivery of the equipment in the Dept. of Oceanography and Coastal Area Studies of Alagappa University at Thondi campus, Thondi.</p>
5)	<p><u>EXCISE DUTY & SALES TAX:</u> The Contractor will have to indicate the applicable rate of Excise Duty & Sales Tax in terms of percentage and quantum in the Price Bid. In case Turn over tax etc., are applicable, the same should be clearly mentioned in the Price Bid with applicable percentage rate and quantum. All the incidence of Taxes & Duties and applicable modvat will be taken into consideration for the evaluation of Tender. No Taxes and Duties other than what is specifically mentioned in the Price Bid with applicable rate and quantum will be reimbursed.</p>
6)	<p><u>WARRANTY:</u> The equipment must be guaranteed for a minimum period of 18 months from the date of supply or 12 months from the date of commissioning whichever is later.</p>
7)	<p><u>PERFORMANCE GUARANTEE:</u> As a guarantee towards performance of the equipment valid under taking to be given by the dealer / supplier for the performance of the generator during the warranty / guarantee period.</p>

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8)	<p><u>TRANSPORTATION:</u> The equipment should be transported to Dept. of Oceanography and Coastal Area Studies of Alagappa University at Thondi campus. The freight should be borne by bidder. However the freight amount to be indicated in the price separately.</p>
9)	<p><u>TRANSIT INSURANCE:</u> The equipment shall be insured to cover any risk during transit from your works and during storage at our site before commissioning.</p>
10)	<p><u>TERMS OF PAYMENT :</u> a) 90 % upon receipt and acceptance of material. b) 10% after completion of erection, testing & commissioning of Diesel Generator. No advance payment will be given to vendor.</p>
11)	<p><u>RISK PURCHASE CLAUSE:</u> The company reserve the right to impose risk purchase clause as " For delay in execution / supply we shall have every right to do the same through some other agency/s which shall deemed fit and the additional cost of the same (Incidental/Consequential) shall be to your account which with respect to our intimation or observation whatsoever.</p>
12)	<p><u>LEGAL CONDITIONS:</u> Any contract entered against this tender will be as per the following legal condition. It is recorded that this purchase order / contract / agreement is executed and concluded by and between the parties hereto at premises Dept. of Oceanography and Coastal Area Studies of Alagappa University at Thondi campus and in the event any dispute arises out of this agreement between the parties only the appropriate Civil Court in the Sivagangai District shall have the exclusive jurisdiction to entertain, try and determine the said proceedings in exclusion of all other courts.</p>
13)	<p><u>PERFORMANCE PARAMETERS:</u> The average sound level when measured in Green field condition (ISO 3744 or 8528 PT 10) at 1-meter distance from all the four sides should be less than 75 Db average. The average stabilized hot air pressure rise with in the canopy should be maintained with in 10°C over and above ambient temperature.</p>
14)	<p><u>MOUNTING:</u> Design Fabricate suitable base frame which is a welded construction using channel iron etc., to mount DG Set.</p>

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15) TESTS:
Supplier shall perform all standard tests (Shop tests) on Engine and alternator and the test reports pertaining to the engine and alternator should be submitted.

16) COMMISSIONING:
Supplier shall perform the following tests at site to the satisfaction of ALU authorities

- a) Testing the set in Auto / Manual / Test modes.
- b) Testing for all Interlocks
- c) Full load test on the set for Eight hours

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ALAGAPPA UNIVERSITY
KARAIKUDI – 630 003

Please quote your lowest price for the item mentioned below

Sl.No	Particulars	Qty	Rate/per Qty (both numbers & words)	Amount
1. a)	Cost of Supply and commissioning of Genset Model KG1-125WS D.G. Set with Kirloskar make engine model 4K1080TA G2 (meeting Emission & Noise Compliant CPCB II) developing 156 Bhp, Water cooled coupled with Kirloskar Green make 125 kVA (100 kW) 3 phase, 415V, 1500 RPM alternator, Std. Control panel, Base frame, Fuel tank (230 litres) KOEL GREEN battery (130 AH) with leads (charged) and other accessories with type approved integral KG Canopy as a complete set including first fill of lube oil and Engine safeties – LLOP, HWT	1 set		
b)	Excise Duty			
c)	Sales Tax			
d)	Freight and unloading charges (F.O.R)			
	Total cost Rs.			

Signature of the Tenderer

Name
Address

Phone no. of the Tenderer
Office Stamp