

## राष्ट्रीय रेशमकीट बीज संगठन

केन्द्रीय रेशम बोर्ड : वस्त्र मंत्रालय, भारत सरकार  
केरेबो संकीर्ण, चौथा तल, बीले आउट .एम.टी.,  
होसूर रोड, मडिवाला, बेंगलूर - 560 068

दूरभाष : 26282415 फैक्स



## NATIONAL SILKWORM SEED ORGANIZATION

Central Silk Board: Ministry of Textiles, Govt. of India  
CSB Complex, IV Floor, B.T.M. Layout,  
Hosur Road, Madivala, Bangalore – 560 068.

Fax: 080- 26680387

email: nssoban.csb@nic.in

No.CSB/NSSO/CS/(58)//AMC-DG Set/2018-19/TS,

Date:03.07.2018

To,

Sub: Inviting sealed quotations for entering AMC  
for the DG Sets installed at NSSO Units – reg.

The National Silkworm Seed Organization, Central Silk Board invites sealed quotations for awarding Annual Maintenance Contract for trouble free functioning of DG Sets installed at NSSO Units located in Southern Region. The particulars of DG Sets, locations, technical specification and other Terms & Conditions are enclosed herewith for your reference.

**The bid is to be accompanied with Earnest Money Deposit amount of Rs. 20,000/- in the form of Crossed Demand Draft drawn in favour of Director, NSSO, CSB, Bangalore. Further, the sealed quotation shall be super-scribed as "Quotation for awarding AMC for DG Sets" and should reach this Office on or before 23rd July 2018 at 3.00 PM.**

The sealed bids shall be opened on the same day at 3.30 P.M. in the presence of representatives of the Firms, who may wish to participate in the opening of the quotations. The interested parties may visit the locations suited to them and quote their lowest rate and submit to this Office before stipulated date & time.

Director, NSSO reserves the right to reject any or all bids without assigning any reasons whatsoever.

Yours faithfully

DIRECTOR

## INTRODUCTION

**National Silkworm Seed Organization functioning under Central Silk Board, Ministry of Textiles, Govt. of India, is producing high Quality Silkworm Seeds at various Silkworm Seed Production Centres (also known as Grainages) located at southern region of the Country and distributing the same to the farmers for producing high Quality Cocoons for development of Sericulture Industry. All the Grainages have got ISO 9001: 2008 Certification and to produce and supply high Quality Silkworm Seeds, these Silkworm Seed Production Centers are equipped with various machineries, equipments , Walk - in - Cold Rooms, Diesel Generators etc.,**

**The Un-interrupted power supply is most essential to operate cold rooms which are installed in the Silkworm Seed Production Centres for preservation of Live Silkworm Seeds & Moths. In order to operate the cold rooms round the clock, Diesel Generator Sets have been installed at all the mentioned centers in Annexure-1 & 2 for power back up. Hence, the Firms which may be awarded with the Annual Maintenance Contract for Diesel Generators shall maintain the Diesel Generator with utmost accuracy and care without any break downs during the period of the Contract.**

**These Diesel Generators were procured & installed during 1997-98 and maintained systematically by reputed Firms for the past 15 years. Now, Central Silk Board intends to award the Annual Maintenance Contract, to any one of the reputed Firms experienced in maintenance of Diesel Generators.**

**This Tender Document contains all the Terms & Conditions (Both Technical & Commercial), Name of the locations, their approximate distances, Technical Specifications of the D.G.Set, etc.,**

NATIONAL SILKWORM SEED ORGANIZATION  
CENTRAL SILK BOARD  
BANGALORE - 560 068

**PROCEDURE FOR SUBMISSION:**

The process of tender shall involve submission of bids in TWO parts namely Technical bid and Financial bid:

**Technical bid:**

The sealed technical bid enclosing the following should be submitted:-

- A demand draft towards EMD.
- copies of certificate for establishing eligibility /qualification criteria
- A copy of the acknowledgement of Income Tax Returns for the year 2014-15, 2015-16 and 2016-17.
- A copy of the registration certificate of GST / Service tax /value added tax.
- A self attested certificate declaring that the AMC company is not a defaulter in any of the previous transaction with the board / other govt. departments, not black listed/debarred by any govt. department and not executed similar nature of AMC work through another contractor as per format.

The Technical bid not in compliance with the above will be liable for rejection.

**Financial Bid:**

The Financial bid shall be submitted in the price schedule format of Annexure- 9

The **Technical** and **Financial Bids** should be sealed by the bidder in separate covers appropriately super-scribing as "Technical bid" and "Financial bid" as the case may be. The sealed covers containing technical bid and Financial bid are to be put in a bigger cover which should also be sealed and duly super-scribed on the cover as "**Tender for Annual Maintenance Contract for DG Sets**".

## TECHNICAL BID

### Format of Technical Bid of the tender for Annual Maintenance Contract for DG Sets

#### Profile of the Company

1	Name of the Tenderer (in Block letters), his/her full postal address, phone / fax and mobile No.	
2	Whether it is Registered Company or partnership company or proprietorship company.	
3	If Registered Company, copy of the Registered Certificate should be enclosed. In case of partnership concern, copy of the partnership deed should be enclosed.	
4	Certificate to establish satisfactory completion of at least 3 years experience in AMC Services with Central / State Government / Autonomous Govt. Bodies / Public Sector Undertakings/private companies.	
5	EMD enclosed. If yes, DD No., and Date.	
6	Copies of Income Tax Return acknowledgement clearance of 2014-15, 2015-16 and 2016-17.	
7	Brief profile of company (year of establishment/ No. of service personnel (attach separate sheet) a) Year of establishment b) No. of service personnel working and their qualification / experience.	
8	Has your company defaulted/been blacklisted by any Govt. agency in the past.	Yes / No
9	Any other information.	

#### DECLARATION

I/We hereby declare that the information furnished in this statement is true and correct to the best of my knowledge and I/we am/are aware that in case of any information is found to be incorrect at a later date my/our company will be liable for disqualification from the tender.

Place:  
Date:

(Signature)  
Name & Designation with Company seal

## FINANCIAL BID

Format of Financial Bid of the tender for Comprehensive Annual Maintenance Contract for 27.5 KVA DG Sets installed in Southern Region for a period of 3 years.

### Price Schedule

[Comprehensive AMC which includes critical parts such as repair / replacing of pistons, liners, radiator, Fuel pump, Fuel hose pipes, starter motor, solenoid coil, dynamo, rotating rectifier, filters]

Sl. No.	Item description	Comprehensive AMC Charges per DG Set per year	Qty.	Total amount per DG Set per year	Total Amount Per DG Set for 3 years.
1.	27.5 KVA Honda Make DG Sets		20 Nos.		
2.	22.5 KVA Kirloskar Make DG Set installed at SSPC, Ramnagaram.		1 No.		
3.	15 KVA Kirloskar Make DG Set installed at P3 Farm, Mysore.		1 No.		

**Total price =  
(in Rupees & words)**

**Note :**

- In case of discrepancy between unit price and total price, the unit price shall prevail
- The rate quoted shall be on Comprehensive basis which inclusive of all parts as indicated in Commercial terms [Sl. No. 7(i)] and only basic rates shall be quoted. Taxes is extra as applicable.

### **DECLARATION**

I/We hereby declare that the above AMC Charges for the period of THREE years are for the DG Sets mentioned in the tender document. I/we abide by all the terms and conditions of tender for the AMC of DG Sets.

**Place:  
Date:**

**(Signature)  
Name & Designation  
(company seal)**

## FINANCIAL BID

Format of Financial Bid of the tender for Annual Maintenance Contract for 27.5 KVA DG Sets installed in Southern Region for a period of 3 years.

### Price Schedule

[AMC which includes replacing of minor essential parts such as Engine Oil filter, Bi-pass filters, Fuel Filter, Air filter, Fan belts, Coolant for the Engine, etc., as & when required.]

Sl. No.	Item description	AMC Charges per DG Set per annum	Qty.	Total amount per DG Set per annum.	Total Amount Per DG Set for 3 years.
1.	27.5 KVA Honda Make DG Sets		20 Nos.		
2	22.5 KVA Kirloskar Make DG Set installed at SSPC, Ramnagaram.		1 No.		
3.	15 KVA Kirloskar Make DG Set installed at P3 Farm, Mysore.		1 No.		

**Total price =  
(in Rupees & words)**

#### **Note :**

- In case of discrepancy between unit price and total price, the unit price shall prevail
- The rate quoted shall be on Comprehensive basis which inclusive of all parts as indicated in Commercial terms [Sl. No.7(ii)] and only basic rates shall be quoted. Taxes is extra as applicable.

### **DECLARATION**

I/We hereby declare that the above AMC Charges for the period of THREE years are for the DG Sets mentioned in the tender document. I/we abide by all the terms and conditions of tender for the AMC of Diesel Generators.

**Place:  
Date:**

**(Signature)  
Name & Designation  
(company seal)**

NATIONAL SILKWORM SEED ORGANIZATION  
CENTRAL SILK BOARD  
BANGALORE - 560 068

TERMS & CONDITIONS

TECHNICAL

1. Locations showing the Grainages and Farms provided with 27.5 KVA Honda Make [Japan Make] D.G.Sets installed in Southern Region is indicated in Annexure-1. The Kirloskar Make DG Sets installed at Hosur, Ramnagaram & P3 Farm, Mysore also included to undertake AMC.
2. The approximate distance of the D.G. Set locations from the Main Cities is also included in the above Annexure.
3. The Technical specifications for the HONDA D.G. Set are furnished in Annexure-2
4. The Firms which submit the quotations shall have sufficient knowledge / experience in rendering services for the Diesel Generators of at least 100 KVA capacity. The Firms shall have sufficient knowledge in Diesel Engines, Alternators and AMF panel boards.
5. The Firms which submit the Quotations shall render at least minimum 4 Quarterly AMC Services during the one year period of the Contract, irrespective of its proper functioning or other wise.
6. Apart from 4 Quarterly AMC Services mentioned in point No.5, the Firms shall attend to all break down / repairs of the Diesel Generators as and when intimated by the In charge Officer of the respective units.
7. Cut-off panels are installed in all the grainages except farms to protect against High / Low voltage cut-off & single phasing (Both EB & DG Supply). The said cut-off panels to be looked after by firm on comprehensive basis including replacing of parts if found defective, irrespective of awarding AMC for DG Sets on comprehensive or not.
8. During the Quarterly Annual Maintenance Contract service of the D.G. Sets, the technician of the Firm who attends to the servicing shall carry out the following routine services for smooth functioning of the D.G. Sets.

**A. FUEL SYSTEM:**

- a) Checking the fuel pipelines for proper flow of fuel, leakage, etc, checking Fuel, Filters, cleaning / replacing the same if necessary
- b) Checking the fuel tank, cleaning of the sediments, if necessary

- c) Checking the injectors and fuel pump for proper functioning and arresting the leakage if any.
- d) Checking up the governor throttle link, etc, for proper operations.

## **B. AIR INTAKE SYSTEM:**

Checking and cleaning of Air Filters, cleaning of Air Filter elements at the time of general servicing, changing of the air filters as and when required as per the instructions manual.

## **C .WATER COOLING SYSTEM**

- a) Checking the Radiator, checking the level of coolant in the coolant container and adding of coolant if necessary, also check for any leakages etc.,
- b) Checking belt tension and changing of belts if found defective.
- c) Check the radiator hoses and replace the same if found defective.

## **D.LUBRICATIONS SYSTEM:**

- a. Check the lube oil and lube oil pipes and check for any leakages
- b. Check the lube oil pressure

## **E.ENGINE:**

- a) Check the engine for general performance
- b) Check and reset the valve tappets clearance as per the Instruction Manual if necessary.
- c) Check foundation bolts for proper tightening
- d) Check the coupling between Engine and Alternator (for proper alignment and re-align the same if necessary)

## **F.ALTERNATOR:**

- a. Open the Terminal box, check all bolts and nuts of the terminals for loose connections and tightening of the same if found loose.
- b. Blow out carbon deposits from the windings
- c. Check the excitation system, voltage and current.

## **G.AMF CONTROL / CUT-OFF PANEL :**

- a) Open and clean all the Fuses, Contactors, relays, Timers etc, for proper contact of the terminals and also for proper functioning
- b) Check all nuts and bolts for loose connections and tightening of the same
- c) Check working of meters and rectify I replace the defective meters.
- d) Check the battery charger for proper functioning and also check the voltage



**NOTE: (1)** After completing the servicing, the Diesel Generator Set should be operated and tested on **Load and No Load** conditions at least for ½ hour. Also the output Voltage, running current, etc, should be tested and recorded in the Service Report.

(2) All the defective parts removed from the D.G. Set is the property of Central Silk Board. Hence, these parts should be handed over to the In-charge Officer of the respective units.

8) Whenever the technician of the Firm visits the site for attending to the repairs or for rendering routine AMC Services of the Honda / Kirloskar Make Diesel Generator Sets, he /she shall visit the site in the morning at least before 11.00 A.M. and spend a minimum of 4 hours by carrying out all the services as mentioned in point no.(8) and also observe the performance of the Diesel Generator Set. After attending to the Services / Repairs, he shall call either the In-charge Officer of the concerned unit or his authorized staff and show the Diesel Generators / AMF / Cut-off Panel Boards in good working condition. He shall also submit necessary service reports for having rendered the AMC services satisfactorily. He should inform his visit to the Unit In-charge Officer well in advance.

**NATIONAL SILKWORM SEED ORGANIZATION  
CENTRAL SILK BOARD  
BANGALORE – 560 068**

**TERMS & CONDITIONS**

**COMMERCIAL**

- 1) The Firms which submit the Quotations shall have at least a minimum period of 5 years experience in rendering Annual Maintenance Contract Services for the Diesel Generators of at least up to 100 KVA capacity. Out of which 3 years should be connected with rendering Annual Maintenance Contract for DG Sets of at least THREE reputed clients whose total Annual turn over of AMC services shall have 5.00 Lakhs per annum. The Firm shall furnish Service Support along with quotation to show his capability to carry AMC Services at different places.
- 2) The Firms shall enclose necessary proof, i.e, either work order copies or Credential Certificates from the concerned Clients / Departments / Companies for having rendered or undertaken Annual Maintenance Contract Services of Diesel Generators of similar type or much bigger magnitude. The Firms shall also enclose copies of Annual Turn over, I.T Clearance Certificates etc., for three years along with the bid.
- 3) The bidders are advised to accept and sign each page of the tender document with stamp I seal for having accepted the terms & conditions of tender document.
- 4) The Firms shall submit the Annual Maintenance Contract charges of the Diesel Generators uniformly for all the locations or location wise separately. At the time of submission of Quotation itself, the rates for Annual Maintenance Contract of the Diesel Generators for I, II & III Years shall be submitted. The total AMC period will be for three years. On no account, the quoted rates will be enhanced during the three years period of the Contract.
- 5) **In addition to 27.5 KVA Honda DG Sets installed at 19 locations, the Firms shall quote AMC for, 22.5 KVA Kirloskar Make DG Set installed at SSPP, Ramnagaram and 15 KVA Kirloskar Make DG Set installed at P3 Farm, Mysore.**
- 6) **The AMC charges in respect of P4 Basic Seed Farm, Hassan (Karnataka State) should be quoted separately.**
- 7) **The Firms shall submit Annual Maintenance Contract Charges for the Diesel Generators separately on both kinds of AMCs viz., i) Comprehensive AMC which include critical parts such as repair / replacing of Pistons, liners, radiator, Fuel pump, Fuel hose pipes, starter motor, solenoid coil, dynamo, rotating rectifier & charger. ii) Only maintenance which include replacing of minor essential spare parts such as Engine oil filter, Bi-pass filters, Diesel Filter, Air filter, Fan belts, Coolant for the Engine, etc., as & when required. Both kinds of AMC's, the preventive maintenance has to be carried out as indicated in Sl. No. 8 (Technical).**

- 8) **The Engine Oil shall be supplied by Customer at the time of servicing.**
- 9) The successful Firm which may be awarded with the Annual Maintenance Contract shall furnish Contract Agreement containing terms & conditions on non-judicial stamp paper of value Rs.200/- and 25% of the total quoted Contract value in the form of Bank Guarantee towards Performance Security and remaining 75% of the total contract value in the form of corporate Indemnity Bond. **This security shall have a validity period of One year and Three months. The Bank Guarantee & Indemnity Bond will be renewed on yearly basis**
- 10) The Annual Maintenance Contract charges will be released in advance on Quarterly basis for each Quarter. However, the Services rendered by the Firm during a particular quarter will be reviewed in the next quarter and basing upon the services rendered by the firm during previous quarter, payment will be released in advance for the next quarter.
- 11) At the time of submission of invoice for releasing quarterly advance payment, the firm shall submit quarterly service reports of the DG Sets of all the centers countersigned by the In-Charge of the units with respect to the previous quarter. Basing on the service reports only, the AMC charges will be released in advance.
- 12) The break down information of the Diesel Generators will be initially intimated to the Firm through Phone Call / mail by the In-charge Officers / staff of the respective units. On receipt of the break down information through telephonic message, a break down complaint number should be intimated by the Firm to the person of the concerned unit. The number is the proof of receipt of complaints and taking action for attending to the repairs. Further communication will be given if necessary through Fax Message / E mail etc, depending upon the facilities available in the respective locations.
- 13) The Firms shall attend to the defects of the Diesel Generators at the earliest possible time i.e, within 48 hours from the time of receipt of the break down complaints.
- 14) If the Diesel Generators are not functioning for more than 5 days in a quarter, a penalty of Rs.200/- per day shall be levied on the Firm for the exceeding days.
- 15) The Service Engineers/technicians should not mishandle any items of machinery / equipments etc, and should be careful when they perform maintenance work of the DG Sets. If any damage is caused to the departmental property during the course of work, the cost will be recovered from the contractor from his bills due for payment.
- 16) On no account, the Diesel Generators shall go idle due to break down for more than five days in a quarter irrespective of the number of break down occurred in a quarter.

- 17) The Penalty will be calculated at the end of every quarter, on the basis of number of days the Diesel Generators remained non functional during the particular quarter. The amount of penalty calculated, if any, will be deducted at the time of release of the quarterly AMC Charges for the next quarter or otherwise by invoking the Bank Guarantee as the case may be.
- 18) The Firms interested to see the HONDA Diesel Generators and Kirloskar Make DG Sets may visit at Hosur & Ramnagaram during Office hours before submission of Quotations or locations suited to them as mentioned in Annexure -1.
- 19) The Firms awarded with the Annual Maintenance Contract of the Diesel Generator shall not sub-contract the Annual Maintenance Contract to a third party or abandon the work in the middle of the Contract period. In such case of any breach of any of the terms, the Director, NSSO reserves right to take such action as deemed fit in the facts & circumstances of each of such case.
- 20) The Firms can submit the bids accompanied with Earnest Money Deposit (EMD) amount of **Rs.20,000/-** (Rupees Twenty Thousand only) in the form of Demand Draft. The Demand Draft shall be drawn in favour of "**The Director, National Silkworm Seed Organization, Bangalore**".
- 21) **No exemption from submission of EMD, on any grounds, will be allowed. Any bid not accompanied by EMD will be rejected, as non responsive.**
- 22) All the Quotations submitted shall have a validity period of at least 6 months from the date of opening of the Quotation.
- 23) All the Sealed Quotations shall be super-scribed as "**Quotation for Annual Maintenance Contract for Diesel Generator Sets**" and shall be addressed to "The Director, National Silkworm Seed Organization, Central Silk Board, IV Floor, CSB Complex, B.T.M. Layout, Madiwala, Bangalore – 560 068".
- 24) The envelope shall indicate the name and address of the party to enable quotation to be returned unopened in case it is declared "late".
- 25) If the envelope are not sealed and marked as required, the purchaser will assume no responsibility for the quotation misplacement.
- 26) The quotation received by e-mail, facsimile will be summarily rejected.
- 27) The bid shall contain no interlineations, erasures or overwriting except necessary to correct errors made by the firm, in which case all rights and obligations the purchaser and parties previously subject to the deadline will thereafter subject to the deadline as extended.
- 28) The last date for submission of Sealed Quotations at this Office will be on or before **3.00 P.M. on 23<sup>rd</sup> July 2018**. The Quotations received after 3.00 P.M. on the last date stipulated will summarily rejected.
- 29) All the Quotations will be opened on the **same day** in the presence of representatives of the firms who may wish to participate the quotation opening at **3.30 P.M. on 23.07.2018** in the Office of the Director, National Silkworm Seed Organization, Central Silk Board, CSB Complex, 4<sup>th</sup> Floor, Madiwala, Bangalore. The Firms interested to be present at the time of opening of the Quotations can attend the tender opening.

- 30) The quotation must be received by the customer at the address specified not later than **3.00 p.m. on 23<sup>rd</sup> July, 2018.** In the event of the specified date for submission of quotations being declared as holiday for the purchaser, the quotations will be received up to the appointed time on the next working day.
- 31) The E.M.D of the unsuccessful bidders shall be promptly returned after issuing work order to the successful bidder. The E.M.D of the successful bidder shall be returned after signing of the Annual Maintenance Service Contract Agreement and furnishing of the Bank Guarantee and Corporate Indemnity Bond.
- 32) Director, National Silkworm Seed Organization, Bangalore has got the rights to accept or reject any or all quotations without assigning any reasons whatsoever. He has also got the rights to award the AMC to one or more reputed Firms.

**NATIONAL SILKWORM SEED ORGANIZATION  
CENTRAL SILK BOARD  
BANGALORE - 560 068**

**ANNEXURE - 1**

**SOUTHERN REGION**

**STATES: Karnataka, Andhra Pradesh, Tamil Nadu & Kerala**

**27.5 KVA Honda DG Sets at the following centers:-**

Sl. No.	Name of the Centre	Quantity	Approximate Distance of Honda D.G.Set Locations from the Main City i.e, Bangalore (in K.Mts)
<b>KARNATAKA</b>			
1	SSPC, Vijayapura	1	50
2	SSPC, Chintamani	1	80
3	SSPC, Bangalore	1	--
4	SSPC, Mysore	1	140
5	SSPC, Malavalli	1	110
6	SSPC, K.R.Nagar	1	180
7.	BSF, Dharmapura	1	180
8.	BSF, Gavimata	1	180
9.	BSF, Nagenahalli	1	80
<b>TAMIL NADU</b>			
10.	SSPC, Hosur	2	40
11.	SSPC, Dharmapuri	1	150
12.	SSPC, Tirupattur	1	140
13.	BSF, Yelagiri hills	1	180
<b>ANDHRA PRADESH</b>			
14.	SSPC, Hindupur	1	100
15.	SSPC, Madanapalli	1	130
16.	SSPC, Chittoor	1	180
17..	BSF, Madakasira	1	140
<b>KERALA</b>			
18.	SSPC, Palakkad	1	450
19	P4 BSF, Hassan	1	205
<b>TOTAL</b>		<b>20</b>	

1. 22.5 KVA Kirloskar MAKE DG Set [Kirloskar Alternator & Commins Engine] installed at SSPC, Ramanagaram.
- 2.. 15 KVA Kirloskar make DG Set [Kirloskar Alternator & Commins Engine] installed at P3 Farm, Mysore.

<b>HONDA MAKE DIESEL GENERATOR – MODEL NO: EMT 35 DH</b>					
<b>SPECIFICATIONS OF 27.5 KVA HONDA MAKE DIESEL GENERATOR SET PROCURED FROM M/S. NICHIMEN CORPORATION, JAPAN</b>					
Type		R	SL	P	
<b>G E N E R A T O R</b>	Exciting System		Brushless System		
	Number of Phases		Three Phase, Four Wire, System		
	Power factor	%	80		
	Frequency	Hz	50	60	50/60
	Output	KVA	27.5	*33	#27.5/33
	Output	kW	(22)	(26.4)	(22/26.4)
	Voltage	V	380 - 415	380-480	200-220 /220 - 240
	Current	A	41.7- 38.2	41.7 -39.7	79.4 -67.4/86.6-79.4
	<b>Name</b>		GRAB (ISUZU 4BDI )		
<b>E N G I N E</b>	Type		Water Cooled, 4 Stroke, Direct injection		
	Number of Cylinders		4		
	Total Displacement	L	3.856		
	Rated Output	kW(PS)	28.7 (39)	34.6(47)	28.7/34.6(39 /47)
	Rotational Speed	Min (rpm)	1500	1800	1500/1800
	Fuel Tank Capacity	L	90		
	Quantity of Lubricating Oil	L	13		
	Quantity of Cooling Water	L	14.5		
	Battery		80 D 26 R(NX110.5)X2		
	Dry weight	Kg	880		
	Operation maintenance weight	Kg	980		

\* 380 V : 27.5 KVA # 50 Hz  
 415 V : 31.2 KVA 220 V : 25.7 KVA  
 440 ~ 480 Volts : 33.0 KVA