

TENDER ID : PAT201906034

SBI INFRA MANAGEMENT SOLUTIONS PVT LTD

(WHOLLY OWNED SUBSIDIARY OF SBI)

PATNA CIRCLE OFFICE

INVITES TENDERS ON BEHALF OF SBI PATNA CIRCLE

FOR

**COMPREHENSIVE ANNUAL MAINTENANCE CONTRACT (AMC) OF BANK'S OWN
DG SET OF CAPACITY 750 KVA INCLUDING AMF PANEL**

INSTALLED AT LHO PATNA,

Last date of submission of Tender: **Up to 3.00 P.M (IST) on 10.07.2019**

Opening of Tenders: **3.30 P.M (IST) on 10.07.2019**

CIRCLE HEAD

SBIIMS, CIRCLE OFFICE PATNA

Signature and Name, Address & contact nos. of Contractor

NOTICE INVITING TENDERS

Sealed Tenders are invited in 2 (two) bid system (Technical & Financial bid) from the Firms / Contractors / Vendors / Suppliers / Manufacturers who have minimum 10 (ten) years experience in related field and having office at Patna Centre are only eligible to apply. **(Please furnish proof for the same)**

The details of the Tender are as under:-

Sl No.	Description	
1	Scope of work	Tender for Comprehensive AMC of 750 KVA DG set including AMF panel installed at SBI, LHO Patna. Engine: Perkins make. Alternator: Stamford make.
2	Location	State Bank of India, Local Head Office, Patna Premises
3	Cost of Tender Papers (Processing fee) Non-refundable	Rs.1000/- (Rupees five hundred only) through “ SB COLLECT ” payment portal by using SBI Internet Banking site www.onlinesbi.com . The receipt of payment to be submitted along with the technical bid. Without tender processing fee tender will be rejected. The steps involved in making the payment is provided at Annexure-A
4	Earnest Money Deposit (EMD)	Rs.15,000/- by way of Demand draft in favour of “State Bank of India” payable at Patna, mentioning their name on reverse of DD.
5	Retention Money / Security Deposit	The L-1 bidder EMD amount will be converted as Retention money / Security deposit and will be kept till the contract exists. The other bidders EMD except L-1 bidder will be refunded after finalization of tender.
6	Date of issue of Tender Documents from Bank’s Website	01.07.2019 to 10.07.2019 from Bank’s web site www.sbi.co.in under Link-Procurement news.
7	Address at which tenders are to be submitted	SBIIMS Circle office, Patna 2 nd floor, SBI Patna Main branch West Gandhi Maidan, Patna-800001
8	Last date of submission of Tender.	10.07.2019 Up to 3.00 P.M
9	Date and time of opening of Tenders	(A) <u>Technical Bid:</u> 10.07.2019 at 3.30 P.M at the above address in presence of the vendors or their authorized representative who desires to be present. (B) <u>Price Bid:</u> Time & Date will be communicated

		to technically qualified bidders separately.
10	Terms of Payment	Payment will be made half yearly basis against submission of invoices.
11	Validity of Tender	90 days from the date of opening of price bid
12	Eligible taxes	<p>A) Income tax will be deducted at source as per govt. guidelines.</p> <p>B) Reimbursement of GST will be made only on submission of proper GST Invoice as per applicable GST provisions/Rules.</p>
13	Information Regarding Submission of Tenders	<p>Eligible vendors should download the Technical and financial bid from Bank's web site. Vendors should submit Technical and financial bids in 02 (two) separate sealed cover and super scribed with the name of the work. Both the Technical and financial bid should be in a separate large envelope sealed and super scribed with the name of the work.</p> <p><u>Technical bid</u> : Technical bid should contain the following :-</p> <ul style="list-style-type: none"> i) Receipt of Tender processing fee ii) Copy of PAN No. iii) GST Registration copy iv) Copy of experience certificate v) Copies of Balance sheet vi) Solvency Certificate from Bank vii) All tender papers duly signed & stamped by the vendor. <p><u>Without the any one of the above in the Technical bid, the Tender will be rejected.</u></p> <p><u>Financial/Price Bid/Item wise BOQ</u> : Vendor should submit the price bid in a separate sealed envelope. The price bid/Item wise BOQ should only contain the priced offers and general rebate (if any). Any condition in the price bid/BOQ will be liable for rejection of tender.</p>

Signature & seal of the Contractor

Annexure-A

The Steps involved in making the payment through SB Collect are as under :-

1. The Vendor needs to use SBI internet Banking site <https://www.onlinesbi.com/>
2. Select **"SB Collect"** from Top Menu, that will lead to the next page.
3. **"Proceed"** will lead to the next page.
4. Select **"All India"** in "State of Corporate/Institution" & select **"Commercial services"** in "Type of Corporate/Institution".
5. **"Go"** will lead to the next page.
6. Select **"SBI Infra Management Solutions"** in Commercial services name and **"Submit"**.
7. Select **"Tender application fee"** in "Payment gateway" and enter the **"Tender ID"** exactly as we preloaded with characters in Uppercase only in place of Circle Codes.
8. The next page will be ready with few of the preloaded Tender details.
9. The Vendor will have to fill up the fields properly and upon making the payment a receipt will be generated with a reference No.

NOTE : Any type of Vendor/Contractor, whether dealing with SBI or other Bank can use this SB Collect facility. Even a Contractor/Vendor not dealing with any Bank, use this portal and generate challan and deposit by cash in any SBI branch. The Bank charges for cash deposit will be also borne by the vendor/contractor himself.

Signature & seal of the Contractor

ANNEXURE-A

ELIGIBILITY CRITERIA

To be eligible to participate in the tender, the Firms / Contractors / vendors / Supplier / Manufacturers **should meet the undernoted pre-qualification criteria:**

- Minimum annual turnover of Rs. 10 crore during each of the three financial years (FY 16-17, 17-18 and 18-19) in the related work.
- Minimum (10) years experience in related field.
- The Firms / Contractors / vendors / Supplier / Manufacturers should have office / service centre at Patna.
- The manufacturers / vendors have valid PAN No & GST Number Registration.
- Must produce Solvency Certificate for minimum of Rs 5.00 lacs issued (issue date not before 01.04.2019) by Banker or any other equivalent certificate acceptable to Bank

GENERAL TERMS AND CONDITIONS FOR THE APPLICANTS

1. In each visit, one service engineer will be deputed for the service contract job as stipulated in our scope of work. All arrangements for Service Engineers transport stay; lodging and boarding etc. shall be done by Contractor.
2. This contract will be valid for three (03) years and the payment will be made on **half yearly basis against submission of invoices.**
3. The contractors have to supply consumables and lubricating oil for the maintenance of the DG set as per manufacturer's RECOMMENDATIONS. All breakdown spares will be supplied by the contractor as and when required to restore the DG set immediately.
4. Insurance for major breakdown/accident/abnormal failure will be arrangement by bank.
5. Customer's supervisory representative would be required to acknowledge the visit and job by signing the service report.
6. Customer's consent for replacing the parts recommended by us depending on the need will have to be given immediately for speedy rectification of the equipment.
7. During the tenure of the contract, repairs adjustments by any third party will not be acceptable without our written consent except in cases of undue delay in attending to the problem by the contractor and customer has to strictly adhere to the instruction for the maintenance laid down by our service engineers.
8. This contract is not transferable and applicable for this particular Genset and subject to FORCE MAJEURE CONDITIONS.

9. The Contractor will comply with all the applicable labour laws, rules and regulations relating to P.F. Act including the payment of P.F. contribution, Payment of Bonus Act, Minimum Wages Act, Workmen's Compensation Act, ESI, CL(R&A) Act, Essential Commodities Act, Migrant Labour Act and' or such other Acts or Laws or regulations passed by the Central & State, Municipal and Local Government agency or authority, including T.D.S. as per Income Tax Act, applicable from time to time. The Contractor shall be responsible for maintaining record pertaining to payment of Wages Act and also for depositing the P.F. contributions, if required, with authorities concerned.
10. All care shall be taken to be taken to minimise the DG set downtime. During the currency of the Contract, Maximum permissible frequency of failures in a month:
 - (a) Once for approximately one hour
 - (b) Four times for approximately half hourIn case of major break downs; standby arrangement shall be made within 24 hours from the time of breakdown. In case of poor performance/ non performance of DG set , the penalty (calculated in actual) per day may be deducted from contract amount.
5 % of annual contract value shall be kept as retention money (Performance Guaranty) during the contract period, which will be forfeited in case of poor performance or non performance. Any of the deliverables not being delivered for more than 2 days in quarter would mean “poor performance”.
11. The contractor / firm shall be held responsible for any misdeeds / misbehavior of their employees within the premises.
12. Self start Battery condition shall be well maintained for trouble free operation.
13. In respect of all labour employed directly or indirectly on the work for the performance of the contractor's part of work, the contractor at his own expense, will arrange for the safety provisions as per the statutory provisions, B.I.S recommendations, factory act, workman's compensation act, CPWD code and instructions issued from time to time. The contractor shall provide necessary barriers, warning signals and other safety measures while executing the work wherever necessary so as to avoid accident. The Bank shall not be responsible for any accident occurred or damage incurred or claims arising there from during the execution of work. The contractor shall also provide all insurance including third party insurance as may be necessary to cover the risk.
14. The initial period of contract is for 3 years period and renewable for further period of maximum 3 years, subject to satisfactory services.
15. Bank reserves the right to terminate the contract with one month prior notice.

ANNEXURE:- B

SCOPE OF WORK

Work to be done during schedule maintenance/preventive maintenance.

A. AIR SYSTEM

- Checking of any leakage
- Checking of Air Cleaner Performance
- Checking of turbo free rotation, Radial play and Axial play (if reqd.)
- Checking & tightening of all clamps and hoses in Air system
- Measuring of delta "T" by infrared thermometer across after cooler in & out and thereby confirming the efficiency of after cooler.
- Checking and adjustment (if reqd.) of valve lash.

B. COOLING SYSTEM

- Checking of any leakage
- Checking of Air Cleaner Performance
- Checking of turbo free rotation, Radial play and Axial play (if reqd.)
- Checking & tightening of all clamps and hoses in Air system
- Measuring of delta "T" by infrared thermometer across after cooler in & out and thereby confirming the efficiency of after cooler.
- Checking and adjustment (if reqd.) of valve lash.

C. LUBRICATION SYSTEM

- Lub Oil Condition
- Replacing of lub oil filter (If maintenance due)
- Measuring delta "T" across oil cooler. If found abnormal, necessary advise for corrective measure.
- Checking of oil level of sump.

D. FUEL SYSTEM

- Checking of fuel day tank for any debris and water.
- Checking of separ filter
- Checking of any leakage in fuel system, if leakages found, corrective action to be taken.

- Checking of all electronic injector functioning by connecting communicating tool with governor.
- Priming of fuel system and physical checking of return line flow for any existence of air.

E. CONTROLLING SYSTEM

- Checking of any active code/logged event code.
- Connecting the controller with laptop and checking of all protection system parameter.
- Proper functioning of all protection system
- All wire tightness in starter panel.

F. ALTERNATOR

- Checking of alternator coupling.
- Checking of Automatic Voltage Regulator.
- Checking of Alternator mounting bolts.

G. BATTERY & CHARGING ALTERNATOR

- Checking & Charging Alternator.
- Checking of battery lead and pole condition.
- Measuring the output of charging alternator.

H. GENERAL CHECKING

- Checking the DG performance on no load and full load
- Measuring the boost pr. Of turbo charger on load.
- Analysis of logbook for proper DG operation.
- To preview the maintenance matrix of DG with operator and maintenance person.
- Submitting detail report along with AMC checklist.
- In the D.G. start up control logic all safety interlock specifically lubrication flow, cooling system and thermostat for engine temp. to be checked properly in every visit of AMC.
- Engine temperature to be recorded for 01 hour continuous operation with full load and any deterioration w.r.t. normal temperature should be strictly maintained.
- Submission of service reports, test and inspection reports etc. during each service visit.

Recommended Maintenance Schedule for PERKINS Engine

Item	Limit Years	Operating Hrs. (In Hrs.)															Remarks
		500	1000	1500	2000	2500	3000	3500	4000	4500	5000	5500	6000	6500	7000	7500	
OIL FILTER	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
FUEL FILTER	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
TIMING BELT	1																As & When Required
RADIATOR FAN BELT	1																As & When Required
AIR FILTER	1																As & When Required
COOLANT	3												X				
TAPPET COVER GASKET	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	During adjustment of Valve Bridges & Valve Clearances
LUB OIL	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
SAPER FILTER	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
LID GASKET	1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
INJECTORS											X						To check & Correct or renewed, if required
Turbocharger Inspection	1															X	
Main Alternator Inspection	1															X	
Starter Motor Inspection	1															X	
Coolant Pump Inspection	1															X	
Fuel Lift Pump Inspection	1															X	
Engine Oil Pump Inspection	1															X	
Cylinder Head Overhaul	1															X	
Inspection of Piston	1															X	Check Piston, Rings & Liners & decide for Major Overhaul

As per PERKINS recommendation MAJOR OVERHAUL for Prime Duty application is at 15000 Hrs.

Above Maintenance schedule is applicable for all 4006 / 4008 / 4012 and 4016 Series prime duty PERKINS Diesel Engines

