

NATIONAL INSTITUTE OF PLANT GENOME RESEARCH
(Department of Biotechnology, Ministry of Science and Technology, Govt. of India)
Aruna Asaf Ali Marg, New Delhi-110067
Phone: 011-26735161, 26735138 Fax: 011-26741658

TENDER NOTICE

File No.: NIPGR/Engg./6/1/2015-16/

Dated: 11.12.2015

Sealed item rate Tenders (in single bid system) are invited on behalf of the Director, NIPGR, New Delhi from approved and eligible Contractors of CPWD/Central Govt/State Govt./ Govt. Autonomous Bodies, and reputed organizations so as to reach this office up to 2.30 P.M. on or before 29.12.2015 for the following work:

Name of Work: Maintenance of Intelligent Addressable and Conventional Fire Alarm System and CO₂ Flooding System at NIPGR, New Delhi, during the year 2015 – 2016.

Sl. No.	Estimated Cost	EMD (In ₹)	Period for Completion	Last date & time for sale of Tender Documents	Last date & Time of receipt of Tender	Date & time of opening of tenders
1.	2.	3.	4.	5.	6.	7.
1.	₹ 4,06,370.00	₹ 8,130.00	12 months	28.12.2015 16.00 Hrs.	29.12.2015 14.30 Hrs.	29.12.2015 15.00 Hrs.

Tender document can be obtained up to 16.00 Hrs. on all working days on payment of ₹ 500.00 (₹ Five hundred only) in cash (Non-refundable) towards the cost of tender. The earnest money shall be in the form of Demand Draft of a Scheduled Bank issued in favour of the **Director, NIPGR, New Delhi**.

The tender document can also be downloaded from our website www.nipgr.ac.in and CPP Portal. The tender document downloaded from website must be accompanied with ₹ 500.00 (₹ Five hundred only) in the form of Demand draft in favour of the "**Director, NIPGR, New Delhi**" towards the cost of tender document, otherwise the tender will not be considered.

The earnest money shall be in the form of separate Demand Draft of a Scheduled Bank issued in favour of the **Director NIPGR, New Delhi**.

The tenders will be accepted in respect of those contractors having successfully completed three similar works each costing not less than ₹ 1.63 lakhs or two similar works each costing not less than ₹ 2.03 lakhs or single similar work of costing not less than ₹ 3.25 lakhs and having annual financial turnover of ₹ 4.00 lakhs during the last three years ending Nov. 2015. Similar works means "Running Maintenance and Operation of Intelligent Addressable and Conventional Fire Alarm System" in Govt. organizations, Govt. Autonomous organizations and PSUs.

Intending tenderers must enclose self-attested copies of Completion Certificate of having completed the work satisfactorily issued by an appropriate competent authority of the organizations and financial turnover certificate along with the tender.

The Director NIPGR, reserves the right to accept or reject all or any of the tender without assigning any reasons thereof.

Consultant Engineer
NIPGR, New Delhi

SCHEDULE OF QUANTITY

Part-1

SUB.: Maintenance of Intelligent Addressable and Conventional Fire Alarm System and CO₂ Flooding System at NIPGR, New Delhi, during the year 2015 – 2016.

S.No	Description of item	Qty.	Rate	Unit	Amount (in Rs.)
1.	Providing services for maintenance and operation of Intelligent Addressable and Conventional Fire Alarm System and CO ₂ Flooding System at NIPGR, New Delhi in single shift on all days including Sunday and holiday for all the equipment and accessories as per Annexure, terms and conditions attached for the year 2015-16.	12 months		Per Month	
				Total Amount	
[Amount in Words: _____					

Seal & Signature of Contractor

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LIST OF SPARES

Part-2

Sl. No.	Description of items	Make/Model No./Catalogue No./Code No.	Unit price rate including taxes	Remarks
1.	Photoelectric Smoke Detector	Edward Cat. No.-SIGA-PS, Daksh, Agni		
2.	Rate of Rise Heat Detector	Edward Cat. No.-SIGA-HRA/SIGA-HFS, Daksh		
3.	Manual Pull Station	Edward Cat. No.-SIGA-270		
4.	Standard Detector Bases	Edward Cat. No.-SIGA-SB		
5.	Isolator Detector Bases	Edward Cat. No.-SIGA-IBS		
6.	Control Module	Edward Cat. No.-SIGA-CR		
7.	LCD Display	Edward Cat. No.-3-LCD		
8.	Main CPU	Edward Cat. No.-3-CPU		
9.	Single Loop Card	Edward Cat. No.-3-SSDC		
10.	Reprogramming of complete Intelligent Fire Alarm system & P.A. system installed at NIPGR, New Delhi.	Job		
11.	4 Zone Fire Alarm Control Panel Solid State with 4 nos. Gas release units with 2x12V, 7Ah SMF batteries, battery charger circuit	Make-Agni, Model-Orion4z		
12.	Multicriteria smoke cum heat detectors	Make System-Sensor, Model No.-2351TEM		
13.	Electronic Hooter cum Strobe	Make-Agni		
14.	Solenoid valve with coil 24VDC, 8W	Make-Rotex Automation Ltd. Code No.-20101A-1.2-2G		
15.	4 Zone Fire Alarm Control Panel with 2x12V, 7Ah SMF batteries, battery charger circuit	Make-Agni Suraksha, Model-Fire Scan FAP 2008		
16.	Photoelectric Smoke Detector	Make-Agni Suraksha Model No.-AD333-2L		
17.	Low Intensity Hooter (80 to 100 db)	Make-Agni Suraksha Model No.-MS-II		
18.	Manual Call Point	Make-Agni Suraksha Model No.MS Type		
19.	Fire Response Indicator	Make-Agni Suraksha Model No.-ABS-mini		

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Annexure "A"

Name of work: Maintenance of Intelligent Addressable and Conventional Fire Alarm System and CO₂ Flooding System at NIPGR, New Delhi, during the year 2015 – 2016.

DAILY CHECKS	WEEKLY CHECKS	MONTHLY CHECKS	QUARTERLY CHECKS
<p>1. The contractor shall carry out daily examination on the main control panel to check the status of fault indication. Any fault observed shall be entered in the log book and reported to the Department Remedial action shall be taken immediately to set right the system.</p> <p>2. Check functioning of fire circuit of each zone from the panel itself.</p>	<p>1. Check the batteries including battery water etc.</p> <p>2. Check the alarm indications any unwanted noise etc at main control, hooters or other equipments etc.</p> <p>3. Once a week some detector call points shall be triggered. Different detector will be checked in numerical sequence, date, time identity and placement of detectors shall be recorded in log book.</p> <p>4. Check last detector of each zone.</p> <p>5. Check public Address system for the complete building for functioning.</p>	<p>1. Cleaning of main control panel and cards.</p> <p>2. Check of operational readiness of control panels in case of electrical mains failure.</p> <p>3. Visual check of manual call points and their performance.</p> <p>4. Check of sounding electrical hooters.</p>	<p>1. Cleaning of main control panel and smoke detectors and performance check up after the cleaning and effective working entries to that effect to be made in log book.</p> <p>2. The quarterly check up shall be carried out with out the main supply and battery voltage shall be checked with all hooters operating. A test certificate shall be recorded in the log book for this action.</p> <p>3. For Zonal check up of monitoring circuits, quarterly check shall be performed by simulating the last detector on each number correct operation of fault indicated shall be checked and entered in logbook.</p> <p>4. The agency shall have to perform half-yearly smoke fire drill at the time and place decided by the department demonstrating healthy performance of the complete automatic fire detection system and Public Address system.</p>

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TERMS AND CONDITIONS

Name of work: Maintenance of Intelligent Addressable and Conventional Fire Alarm System and CO₂ Flooding System at NIPGR, New Delhi, during the year 2015 – 2016.

1. The site of work is at NIPGR Campus, Aruna Asaf Ali Marg, New Delhi – 110067.
2. The contractor should quote the rates after visiting the site of work and assessing the quantum of work involved.
3. The rates shall be inclusive of Transportation, loading, unloading & handling charges and nothing extra will be paid.
4. The rates shall be inclusive of VAT, Service Tax, other taxes, octroi, etc., and nothing extra will be paid.
5. The department is at liberty to accept or cancel any or all tenders without assigning any reason.
6. Payment shall be made on quarterly basis after deduction of the Security Deposit, income tax, statutory deductions as per Government rules.
7. The quotation must be accompanied with E.M.D. of Rs. 8130.00 (Rupees Eight thousand One hundred Thirty only) by way of D.D. drawn in favour of Director, NIPGR, payable at New Delhi.
8. The E.M.D. should be placed in a separate cover and will be opened first. The quotation not accompanied with E.M.D. will not be considered. The quotation shall be submitted in prescribed format issued by the institute. The agency must be quoted the rates of all the items of both part viz labour part (Part-1) and spares part (Part-2).
9. The tender will be accepted in respect of those contractors having successfully completed three similar works each costing not less than Rs. 1.63 lakhs or two similar works each costing not less than Rs. 2.03 lakhs or single similar work of costing not less than Rs. 3.25 lakhs and having annual financial turnover of Rs. 4.00 lakhs, during the last three years ending Nov- 2015. Similar works means "Running Maintenance and Operation of Intelligent Addressable and Conventional Fire Alarm System" in Govt. organizations, Govt. Autonomous organizations and PSUs.
10. The firms must be registered with ESI, EPF organization, Service Tax, PAN, TIN authorities and must submit self-attested copies of registrations.
11. The Security Deposit @ 10% of the work done shall be recovered and refunded after one month of completion of work. However, the E.M.D. will be adjusted against the security deposit.
12. The rates quoted shall be firm and hold good for one year of contract period. The same may be reduce or extended depending upon satisfactory performance and issuance of one month notice.
13. If a tenderer whose tender is accepted fails to undertake the work as per terms of the contract or as mentioned in the award letter, the earnest Money deposited will be forfeited.
14. The contractor shall perform and record all the checks as per Annexure 'A' enclosed.
15. Spare parts / Reprogramming shall be arranged by the contractor at the quoted rates as per enclosed list. The payment shall however be made after supply and installation of spare parts / execution of reprogramming. It shall be the responsibility of the contractor to arrange the genuine spares. The installation of spare parts shall be the part of AMC and nothing extra will be paid.
16. All instruments as & when required for testing, checking, measuring, etc., shall be arranged by the contractor in addition to day to day maintenance items.

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17. In case of any faulty part taken out of any fire alarm system and replaced, the same shall be handed over to the institute.
18. In case of fire signal received, the staff on duty must locate the site of fire and on detection of fire, information shall be passed on to the security staff on duty and Engineer-in-charge at once.
19. Any damage caused to the equipments, detectors, etc., during maintenance shall be made good by the contractor and nothing extra will be paid.
20. It shall be the responsibility of the contractor to check the installations as per inventory for the maintenance of the system. If the contractor finds any discrepancy, missing articles accessories, etc. The same shall be brought to the notice of the Engineer-in-charge in writing within 7 days of award of work. The complete system shall be handed over to the institute after the completion of maintenance period.
21. The contractor is responsible for watch & ward and the upkeep of the fire installations in perfect working condition, carrying out routine checkups and to attend any breakdown immediately.
22. The call back service shall be provided within 04 hrs from lodging the complaints.
23. Following staff shall be provided by the contractor to maintain the equipments.
 - (i) Supervisor - 1 Nos. (Once in a week for whole day)
 - (ii) Operator - 1 No. (Single shift daily from 9.00 AM to 5.30 PM)
 - (iii) Helper - 1 No. (Single shift daily except Sundays from 9.00 AM to 5.30 PM)
24. The operator & Supervisor shall have a minimum experience of 3 years and 6 years respectively in handling the intelligent Addressable and Conventional Fire Alarm System and CO₂ Flooding installations. The relevant certificates to be produced after issuing of work order.
25. The institute has the liberty to increase/decrease the staff by 50% or more (If required). The rates for payments/reduction shall be derived from the rates quoted by the agency.
26. If any worker is found to be not suitable for the position, the contractor has to remove the person from the site immediately and substitute posted. The decision of Engineer-in-charge in this regard shall be final and binding on the contractor.
27. Attendance register of the staff shall be maintained and the same shall be submitted daily on basis or as desired by the Engineer-in-charge. In case of absence of regular staff, the backup/reliever person shall be arranged by the agency.
28. The contractor shall be responsible for good behavior and character of the staff engaged by him.
29. Department shall in no way be involved in any dispute of whatever kind between the contractor and the staff engaged by him.
30. The Institute will not be responsible, if any accident occurs or whatsoever due to negligence of worker employed & no compensation shall be paid by the Institute.
31. The contractor shall pay to labourer employed by him, under wages act 1948 and contract labour (Regulation & Abolition act 1970) as amended time to time and rules framed there under and other labour laws affecting contract labour that may be brought from time to time. No labour below the age of 18 years shall be employed on work.
32. The wages of deployed staff shall be payable as per minimum wages fixed by Govt. of National Territory Delhi. The statutory increase in wages from time to time by Govt. of NCT shall be reimbursed on production of having paid the said increase. The agency shall submit rate analysis of their quoted rates along with tender.

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33. The institute may ask the agency to submit the analysis for the rates quoted.
34. Staff on duty shall be provided with Identity Card and wear the same on specified dress during working hours.
35. The recovery for the absence of maintenance staff from duty shall be made from the contractor's bill at the following rates.
- (a) Supervisor @ Rs. 800.00 per visit
 - (b) Operator @ Rs. 800.00 per shift
 - (c) Helper @ Rs 600.00 per shift
36. The contractor shall have to arrange his own T & P necessary for maintenance of the work including laptop etc. No T&P shall be arranged by the department.
37. The contractor shall maintain log book showing all the checks, alarm & faults of the fire alarm system with date and time.
38. The work shall be carried out as per C.P.W.D. specifications and full satisfaction of Engineer-in-charge.
39. The contractor shall carry out preventive maintenance of all the equipments as required.
40. The department reserves the right to terminate the work/contract at any time without assigning any reason.
41. Any accident / electrocution caused due to negligence or during the course of normal work etc., shall be responsibility of the Contractor. The contractor shall be directly responsible for all compensation to the staff engaged by him.
42. Any damage to the existing installations during the maintenance/execution of work will be the responsibility of the contractor and will be made good to the satisfaction of the Engineer-In-Charge and nothing extra will be paid.
43. All safety precautions shall be taken so as to avoid any accident or inconvenience to the members of staff.
44. In event of any loss being caused to the institution on incident of fire in case the system failed to work and / or dereliction of duties by the Agency or their staff as revealed by the enquiry, a Joint Committee comprising of representative of NIPGR and Agency shall determine the compensation to be paid to the NIPGR by the Agency. The recommendations of the Joint Committee will subject to the approval of the Director, NIPGR whose decision will be final and binding on both the parties.
- (a) That in the event of any loss occasioned to the Client, as a result of any lapse on the part of Agency, which will be established after a joint enquiry, the client shall be entitled to claim the same from Agency to the extent of one month billing per event.
 - (b) However, the Agency will not be held responsible for damages / sabotage caused to the Institute due to riots / mobs, activities or any of the events of force – majeure whether or not of the same nature.

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LIST OF EQUIPMENTS INSTALLED AT NIPGR NEW DELHI

INTELLIGENT FIRE DETECTION & PUBLIC ADDRESS SYSTEM

1. Intelligent EST 3 panel (expandable to 8 loops currently 5 loops are in use) (complete with PA system + zone isolator switches etc.) "EDWARD" make	-	01 no
2. Manual call Point	-	02 no's
3. Photoelectric smoke detector (SIGA- PS)	-	273 no's
4. Rate of Rise Heat Detector (SIGA- HRS)	-	182 no's
5. Control Module	-	22 nos
6. Isolator base	-	20 no's.
7. Low intensity hooters	-	17 no's.
8. 6. AHUJA make amplifier with battery bank	-	01 no

LECTURE HALL

1. EST-2 Panel	-	01 no
2. Smoke Detector EST Make	-	23 no's
3. Manual Call Point	-	02 no's
4. Beam Detector & Receiver	-	02 sets

PLANT GROWTH FACILITY

1. Main Control Panel with 2x12V, 7Ah Battery	-	01 no
2. Smoke Detector Agni Suraksha Make	-	27 no's
3. Manual Call Point	-	01 no
4. Low Intensity Hooter	-	01 no
5. Fire Response Indicator	-	08 no's

CO2 FLOODING SYSTEM AT ELECTRICAL PANEL ROOMS

1. 4 Zone fire alarm control panel with 2x12V, 7Ah Battery	-	05 no's
2. Multicriteria smoke cum heat detectors Make System-Sensor	-	20 no's
3. Electronic hooter cum strobe	-	05 no's
4. Solenoid valve of 24VDC, 8W	-	15 no's

NEW LAB BLOCK

1. Intelligent panel (complete with PA system + zone isolator switches etc.) "Daksh" make	-	01 no
2. Manual call Point	-	03 no's
3. Smoke detector multicriteria	-	139 no's
4. Heat detector multicriteria	-	68 no's
5. Addressable Detector with fault isolator	-	07 no's
6. Speaker	-	139 no's
7. Hooter	-	03 no's
8. Repeater Panel	-	01 no's
9. Bosch make amplifier (PA System Complete)	-	01 no
10. AHU Control Module	-	19 no's

DG set Room at Main Substation

1. 2 Zone fire alarm control panel with 2x12V, 7Ah Battery	-	01 no.
2. Smoke Detector	-	08 no's

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