



Government of Odisha

Forest, Environment & Climate Change Department

**Supply, Installation, Testing and Commissioning of
Tower Based AI detection & Forest Fire warning System**



ଆମ ଶିଳ୍ପିତାଳ
ଆମ ଗର୍ବ

**OFFICE OF THE DEPUTY DIRECTOR,
SIMILIPAL SOUTH WILDLIFE DIVISION, BARIPADA**

Phone No-(06792) 252593, Fax-256705; Email Id: dfo.similipalsouthwl@odisha.gov.in


Tender Call Notice No: 911//Date:26.02.24

Tender for "Supply, Installation, Testing and Commissioning of tower based AI detection and Forest Fire Warning Solutions in Similipal Wildlife Sanctuary, Mayurbhanj, Odisha."

The Deputy Director, Similipal South WL Division invites bid from reputed firms/ manufacturers / authorized distributors/ dealers for **Supply, Installation, Testing and Commissioning of tower based AI detection and Forest Fire Warning Solutions** "in Similipal Wildlife Sanctuary, Mayurbhanj, Odisha. The Tender document containing the details of Document fees, EMD, preparation of the bid and terms & conditions of the Tender is available in online at www.similipal.org or at the O/o the Deputy Director, Similipal South WL Division, Baripada. The Last date of submission of the Tender is 10.03.2024 up to 01.00 P.M. The Deputy Director, Similipal South WL Division, Baripada reserves its right to amend/modify/cancel any of the scope and terms and conditions of this tender without assigning any reason thereof.

Sd/-

**Deputy Director,
Similipal South WL Division,
Baripada**


**Deputy Director
Similipal (South) WL Division
Baripada**

**Tender Document for Supply,
Installation, Testing and
Commissioning of tower based AI
detection and Forest Fire Warning
Solutions for Similipal Tiger Reserve,
Mayurbhanj, Odisha**



**Deputy Director
Similipal (South) WL Division
Baripada**

Disclaimer

The information contained in this Tender Document or subsequently provided to Bidder(s) whether verbally or in documentary form by or on behalf of the Deputy Director, Similipal South WL Division or any of their employees or advisors, is provided to the Bidder(s) on the terms and conditions set out in this Tender Document and all other terms and conditions subject to which such information is provided.

This Tender Document is not an agreement / contract and is not an offer or invitation by the Tendering Authority to any party other than the bidder who are eligible to submit the Bids ("Bidders"). The principle of this Tender Document is to provide the Bidder(s) with information to support the formulation of their Proposals. This Tender Document does not purport to contain all the information each Bidder may entail. This Document may not be apposite for all persons, and it is not possible for Tendering Authority, its employees, or advisors to consider the investment objectives, financial situation, and needs of each Bidder who reads or uses this Tender Document. Each Bidder should conduct its own investigations and analysis and should check the accuracy, reliability and completeness of the information in this Document and where necessary obtain independent advice from appropriate sources. The Tendering Authority, its employees and advisors make no representation or warranty and shall incur no liability under any law, statute, rules or regulations as to the accuracy, reliability or completeness of this Document. The Tendering Authority may in its absolute discretion, but without being under any obligation to do so, update, improve or supplement the information in this Tender Document.



**Deputy Director
Similipal (South) WL Division
Baripada**

Tender for *Supply, Installation, Testing and Commissioning of tower based AI detection and Forest Fire Warning Solutions* in Similipal Wildlife Sanctuary, Mayurbhanj, Odisha

Table 1: Tender Schedule

Issuing Authority	Deputy Director, Similipal North WL Division, Jashipur
Date of Issue	26.02.2024
Last date of receiving of Tender Documents	10.03.2024 up to 12.00 P.M
Last date and time for submission of bids	10.03.2024 up to 01.00 P.M
Date and time for technical bid opening	10.03.2024 at 03.00 PM
Date and time for technical presentation	10.03.2024 at 03.30 PM onwards
Date and time for financial bid opening and evaluation	11.03.2024 at 11.00 A.M


Deputy Director
Similipal (South) WL Division
Baripada

The Deputy Director, Similipal South Wildlife Division, Baripada, Mayurbhanj, Odisha hereinafter called as 'Authority' on behalf of Governor of Odisha invites tender(s) in two-bid format for **"the Supply, Installation, Testing and Commissioning of tower based AI detection and Forest Fire Warning Solutions"** in Similipal Wildlife Sanctuary area as per the specification given in the tender as Annexure(s)

The tender document can be downloaded from the official website of the institute at URL Link: <http://www.similipal.org>.

1. Scope of Work:

The scope covers supply, installation, testing & commissioning of IP Based CCTV Surveillance system as per given specifications, Documents (Manuals) & Training, and safe delivery to the point of installation. The scope of the work includes:

Scope-A

Component-1

AI Software, Analytics -

(Detection should be based on both AI & Satellite for Fire Management, Risk Index, Weather Data; Fire Propagation)

Component 2

One Time Hardware for AI Cameras

AI Detection Camera, Installation on Site, Autonomous Solar Power, Communication to Control Room, Maintenance & Upgrade

Component 3

Control Room Setup

Receiving Station for Towers installed, Designated Control Room. Includes Displays, Touch and Onscreen, Processing Computers, Storage, Recording and Monitoring, Siren Systems, Firewalls, Bandwidth, Routers.

Scope-B


Component 4

Installation of Towers

On Site Civil Erection of GBT Tower (Ground Based Tower) with Foundation (so as to cover the entire sanctuary area) - 45 metres to sustain Wind Velocities up to 100 km, Transport to Remote Sites, 1 Year Maintenance.

2. Detail Terms and Condition:

Detailed Terms and Condition for Tender for **Supply, Installation, Testing and Commissioning of tower based AI detection and Forest Fire Warning Solutions"** in Similipal Wildlife Sanctuary are as under:


Deputy Director
Similipal (South) WL Division
Baripada

A. Technical Bid

- 2.1 The bidder should give the precise location (GPS readings) of the towers and cameras so that the entire Sanctuary area is covered. The specifications of the cameras and the warranty of all the hardware are to be indicated.
- 2.2 The AI algorithms shall be designed in such a way that it will detect the fire automatically and gives instant alert to the control room and the users registered mobile number on real time basis.
- 2.3 The cameras shall be able to rotate 360 degree and detect any forest fire or poachers movement or wildlife activity as desired by the authority.
- 2.4 The system shall be integrated with real time satellite data on weather, forest fire and deforestation to provide a real time alert and also to empower to provide early warning through AI based continuous analysis. Bidder should indicate the satellites used for this purpose and also the time lag for receiving the alerts.
- 2.5 **The system should have complete flexibility for upgrading and expansion in all respects depending on future requirements. The system should have liberty to add additional module in future based on the requirement. The system should support additional modules like Propagation model, Carbon Analysis, Deforestation basic, bioacoustics, third party integration etc. to be integrated in future as per demand.**
- 2.6 **The bidder should indicate the additional module separately which can be integrated in to the system in later stage as per demand clearly in the technical bid and also indicative price of the same in the financial bidding.**
- 2.7 **The Authority reserve the right to accept or deny the proposal for additional modules at any point of time without assigning any reason thereof.**
- 2.8 Technical bid should contain technical details provided along with relevant supporting Documents attached such as technical specifications, technical compliance, and data sheets.
- 2.9 The System shall be accepted based on the test certificates submitted by the manufacturer/bidder and successful completion of all the components as an integrated system after Installation & Commissioning at the installation site. Not meeting any of the component specifications will lead to rejection of the system as a whole.
- 2.10 Minimum one years on site comprehensive warranty is required for the whole project /system from the date of final handing over the system to Authority. Tenderer will have to quote for extended on site comprehensive warranty for total Forest Fire warning system expiry of warranty period. However, the contract for extended warranty period will be awarded, if required.
- 2.11 Routine servicing/ troubleshooting/ setting/ adjustments etc., periodically in every 3 month, to ensure smooth and trouble free working of each camera, other components and the system as a whole during comprehensive warranty.

B. Financial Bid

- 2.12 Financial bid(s) of the only technically qualified tenderer(s) will be opened for financial evaluation. Prices should be inclusive of all Taxes & Duties, as applicable. The financial bid(s) will be evaluated on the basis of the total cost as quoted.
- 2.13 Financial bid will be opened day after the technical bidding date i.e. 29.02.24 at 11.00 A.M in the office of the Deputy Director, Similipal South Wildlife Division, Baripada in presence of the bidder or their representative.

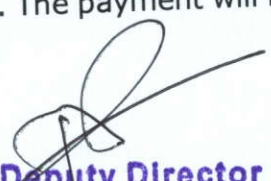
C. General Term & Condition

- 2.14 The bidders who wish to supply the system shall produce the Test/Qualification Certifications of the cameras. Bidding without certificates or producing fake certificates may lead to disqualify the bidder.
- 2.15 The complete hardware and software support to be extended by the contractor.
- 2.16 Diagnostic checks shall be done by the system periodically for the proper functioning of the Video Cameras.
- 2.17 All pre-bid queries have to be submitted in writing to Deputy Director, Similipal South Wildlife Division, Baripada through official email id: dfo.similipalsouthwl@odisha.gov.in on or before 10.03.24 by 02:00 PM in the format given below on the letter head of the company.

Sr. No	Page No.	Clause/ Point No.	Subject	Clarification Sought	Remarks If any	
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No queries will be entertained after this allotted time frame. If it is considered necessary to modify the Technical Specifications or any Tender conditions, the same shall be carried out. The modified tender documents will again be uploaded on the website www.similipal.org for the information of all prospective tenderers.

- 2.18 All the pages of the Technical / Financial Bid format shall be page numbered and all the relevant supporting documents as required must be enclosed along with tender.
- 2.19 The approved vendor has to quote considering the location of the cameras installation site and other accessories necessary for successful design, supply, installation, testing and commissioning of AI based forest fire warning system. The accessories should include but not limited to the indicated here. The accessories are indicative and it is intended to install the system in successful manner. Attached Annexure for Bill of quantity is an indicative list of items that may be used for successful installation. Please Note that the complete package of AI based forest fire warning system including towers and other items mentioned in BOQ may be increased or decreased. The payment will be made as per actual basis.


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Similipal(South) WL Division
Baripada

- 2.20 Payment Terms: 30% payment of the order value shall be released after the receipt of material in good condition at the installation site after inspection in phase wise manner. 60% of the order value shall be released after satisfactory installation / commissioning and handover of the equipment's in faultless working condition for period of 90 days from the date of satisfactory installation and submission of the test report. Balance 10% of the order value shall be released after 180 days after satisfactory installation and submission of the test report. No advance payment will be made under any circumstances.
- 2.21 **The work should be carried out in close coordination with the authority, field staffs and with minimum disturbance to the wildlife and its habitat. No works shall be executed after sunset and before sunrise in the sanctuary area. The workers shall strictly abide the provision of the Wildlife Protection Act, 1972 or any relevant act time being in force. Any violation of the above provision will be viewed seriously may leads to rescindment of the entire contract.**
- 2.22 The system should confirm highest standards of the engineering design and workmanship. The system should perform well without much degradation for the service life of 5 years from the date of completion of Job.
- 2.23 It will be Bidder/Firm's responsibility to enforce all safety measures/precautions required as per relevant codes for carrying out the work. The authority shall not be responsible for any mishap/injury/impairment caused to the workers.
- 2.24 Bidder/Firm has to clean all the debris left behind after work at the end of days. They shall be responsible for labour engaged for their code of conduct.
- 2.25 Laying fiber/ cabling/ pipe etc. is under this contract/ scope of work and route is subject to approval of the competent authority. All works involved at Site grading, excavation in the soft soil, soft or hard murum, and back filling will be done with prior approval from the competent authority.
- 2.26 The work shall be completed within the end of FY 2023-24 i.e. 31st March 2024 in all respect. Party has to submit the detailed time schedule for execution of the work after issue of Work Order.
- 2.27 Quotation should be valid till 180 days from the date of opening of financial bid.
- 2.28 **Termination for Default:** The 'Authority' may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Bidder, terminate the Contract in whole or in part: If the Bidder fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Purchaser; or If the Bidder fails to perform any other obligation(s) under the Contract. If the Bidder, in the judgment of the purchaser, has engaged in corrupt or fraudulent practices in competing for or in executing the contract. For the purpose of this clause: "Corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement

specified by the Institute. After the award of the contract to the successful tenderer, the Earnest Money Deposit (EMD) of all the unsuccessful tenderer(s) will be refunded within 30 days.

- 2.31 Performance Security PBG (3% of the contract value) should remain valid for a period of sixty days beyond the date of completion of all contractual obligations of the Bidder including warranty obligations. The same will be released only after expiration of the validity. The bank guarantee is to be given as per the format attached with this Tender. The successful contractor has to sign an agreement within 7 days from the date of issue of work order on the stamp paper of appropriate value as per format given herein.
- 2.32 The incomplete and conditional tenders will be rejected. Quoting of unrealistic rates will also be treated as disqualification.
- 2.33 Bidder shall not be permitted to withdraw his/her offer or modify the terms and conditions thereof after acceptance of tender. In case the Bidder fails to observe and comply with the stipulations made herein or backs out after quoting the rate, the aforesaid amount of Earnest Money Deposit and Performance Guarantee will be forfeited by the 'Authority'. Besides this, the Bidder will also be liable to be debarred/blacklisted from participating in the tendering process of the 'Authority' in future and/or suitable penalty will be levied.
- 2.34 Normally no extensions of the scheduled delivery or completion dates should be granted except where events constituting force majeure, as provided in the contract, have occurred or the other circumstances demands for.
- 2.35 All the applicable taxes are to be paid by the Bidder/Firm. Price should be quoted accordingly. No price variation shall be allowed during the contract.
- 2.36 On receipt of intimation from the 'Authority' of the acceptance of his/their Tender, the successful Tenderer shall be bound to implement the contract and within 7 days thereof, the successful Tenderer shall sign an agreement and the Schedule of terms and conditions but the written acceptance by the 'Authority' of a tender will constitute a binding contract between the 'Authority' and the person so Tendering whether such formal agreement is or not subsequently executed.
- 2.37 Minimum one week Training Programme needs to be scheduled/arranged by the successful bidder, without any additional extra charges. The supplier shall provide training at Deputy Director, Similipal South Wildlife Division, Baripada office premises for personnel of user department on the operation, maintenance of the project '**Tower based AI detection & forest fire warning solution system**'. Training manuals [5 copies] towards this should be prepared and handed over to the user department before starting of the training.
- 2.38 Guarantee/Warranty Duly signed and stamped certificate of at least 2 years comprehensive onsite warranty as per Annexure-B should be attached with the technical bid. Successful firm will be required to agree for payment of


Deputy Director

Similipal (South) Wildlife Division
Baripada

process or in contract execution. "fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution or a contract to the detriment of the borrower and includes collusive practice among bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the borrower of the benefits of free and open competition. In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or services similar to those undelivered, and the Bidder shall be liable to the Purchaser for any excess costs for such similar Goods or services. However, the Bidder shall continue the performance of the Contract to the extent not terminated. The contractor/bidder shall not display the photographs & content of the work and also will not take advantage through publicity of the work without written permission of the Authority. Non-Compliance to this may result in the blacklisted of firm. The incomplete and conditional tender will be rejected. Quoting unrealistic rates will also be treated as a disqualification.

2.29 **Force Majeure:** In no event shall either Party have any liability for failure to comply with this Agreement, if such failure results directly from the occurrence of any contingency beyond the reasonable control of the Party, including, without limitation, strike or other labour disturbance, riot, major power failure, war, natural calamities including but not limited to floods, earthquakes, fire, volcanic eruptions, epidemics, National Emergency, interference by any government or governmental agency, embargo, seizure, or enactment or abolition of any law, statute, ordinance, rule, or regulation (each a "Force Majeure Event"). In the event that either Party is unable to perform any of its obligations under this Agreement because of a Force Majeure Event, the Party who has been so affected shall as soon as may be, after coming to know of the Force Majeure Event, inform the other Party and shall take reasonable steps to resume performance as soon as may be after the cessation of the Force Majeure Event. If the period of non-performance due to a Force Majeure Event exceeds thirty (30) days, the Party whose ability to perform has been so affected may, by giving written notice, terminate this Agreement.

2.30 The bidder has to submit the non-refundable tender paper cost of Rs. 10,000/- (Rupees Ten Thousand only) and earnest money deposit of Rs. 2,00,000/- (Rupees Two lakh only) which is refundable by way of demand draft only. The demand draft shall be drawn in favour of "**The Deputy Director, Similipal South WL Division, Baripada**" payable at **Baripada**. The demand draft for earnest money deposit must be with the technical bid. Any Technical-Bid found without the Earnest Money Deposit (EMD) will be rejected. The Authority will not be liable to pay any interest on such an amount. The Earnest Money Deposit (EMD) shall be forfeited, if the tenderer withdraws its bid during the period of tender validity. The Earnest Money Deposit (EMD) of the tenderer, whose tender has been accepted, will be returned on the submission of the Performance Security. Earnest Money Deposit (EMD) of the successful tenderer shall be forfeited, if it refuses or neglects to execute the order or fails to furnish the required performance security within the time frame as

penalty for exceeding permissible downtime during Guarantee / Warranty period.

- 2.39 The material found defective upon opening by the supplier representative in presence of technical committee as constituted by the 'Authority' or not as per tendered specifications will be lifted back at the cost and risk of the supplier from the delivery site.

2.40 Arbitration

- a. In the event of failure to carry out the contractual obligations, with in the stipulated period or extended period and determination of the contract for any reason. Violation of the warranties etc. the 'Authority' shall have the right to carry out the unfinished obligation at the exclusive cost and risk of the bidder/firm, after due notice and the difference so accrued shall be recoverable from the bidder/firm.
- b. The provision of the Arbitration and conciliation Act, 1996 or as at relevant time and of rules framed there under and any statutory modifications thereof shall be deemed to apply and be incorporated in this agreement.
- c. Upon every or any such reference, the cost of any incidentals to the reference and award(s) respectively shall be at the reasonable discretion of the Arbitrators or in the event of their not agreeing, of the Umpire appointed the amount thereof or direct the same to be fixed as between solicitors and client or as between parties and shall be direct by whom and in what manner the same shall be borne and paid.
- d. Panel of arbitrators will be provided by the 'Authority' out of which the bidder will have to select one.
- e. The bidder shall have no objection if the officer who has dealt with the case at any stage is nominated as an arbitrator. Further, that one of the arbitrator's shall be Accounts Expert.
- f. In case of vacancy being caused due to resignation, death or incapacity of the arbitrator's to function as such, the same shall be provided in the aforesaid manner and the new arbitrator's shall proceed from the stage at which vacancy is caused.

- 2.41 All disputes shall be subject to the jurisdiction of the Court of Law at Baripada, Mayurbhanj, Odisha

3. Pre-qualification Criteria for Eligible Bidders:

Any false and/or inadequate information can result in rejection of the tender. While deciding on the selection of contractors, emphasis will be given on the ability and competence of applicants to do good quality works in the specified time schedule and in close co-ordination with other agencies. Decision of the 'Authority' with regard to selection of contractors will be final. The 'Authority' is not bound to assign any reasons thereof. The following are the criteria:

- i. The bidder shall have minimum 3 years of experience in the field of supply & installation of early warning system.

- ii. The bidder must be an OEM or registered dealer of the product they are intended to supply. In both of the cases the certificate to that effect to be furnished by the bidder.
- iii. The bidder shall have valid clients in India which it has served at least during last 3 years.
- iv. The bidder shall have served to any Government department or Forest Department in any States of India during last 3 years. The bidder shall have to produce an authenticate certificate to his effect during participation in the bidding or else the bidding will be summarily rejected.
- v. The bidder shall have registered office in India. The certificate to this effect should be submitted.

However, preference will be given to the bidder in selection during technical bidding if the bidder have the following criteria;

- i. The bidder shall have minimum Installed 100+Towers for Early Warning Systems across worldwide/India is working satisfactorily. The bidder has to produce a valid certificate to this extent issued from the client.
- ii. The bidder or firm must have over 10 Million Hectares area covered in Client Projects-India / Worldwide.
- iii. The bidder/firm at least have covered over 1 Million Hectare of Forest Area across globe/India under this project in installation.
- iv. The Software should have integration with Forest Systems.

4. Method of Selection

- i. The tender shall be prepared and submitted in two parts, viz, Part-I containing Technical and Commercial details of the offer and consent of the Contractor for terms and conditions of the tender and Part-II containing Prices only (Financial Bid).
- ii. Telegraphic, Fax and E mail tenders will not be accepted.
- ii. Insertions, post scripts, additions and alterations shall not be valid unless confirmed by the tenderers signature. All copies of the tenders should be completed in all respects with all attachments/enclosures/annexures.
- iii. The Authority will evaluate the tenders, strictly on the basis of the terms & conditions incorporated in the tender document with the terms & conditions etc. as stipulated by the tenderer(s) in their tender to determine whether these are compliance in all respects, as specified in the tender document.
- iv. During the evaluation / scrutiny of the tenders, at any stage, if it is found that any of the tenderer(s) terms and conditions are not compliance with tender document, 'Authority' may seek the clarification within the specified target time and if the tenderer fails to reply / or not agree / accept the terms & conditions, their tender will be treated as unresponsive and it is liable for rejection.
- v. Evaluation of the proposals shall be done in two stages as: Technical-Bid/ Evaluation and Financial-Bid/ Evaluation. Technical evaluation of the proposals


shall be done on the basis of essential pre-qualification criteria and the required Technical Specification. The Financial-Bid of the only technically qualified tenderer(s) will be opened on fixed date and time.

- vi. **A technical committee will be constituted by the authority to scrutinise the bidding documents as per the technical requirement specified in this tender or part of tender documents. The technical committee will verify the technical specification of the hardware, software as proposed by the participating bidder and select the best with and latest available hardware and software in this segment which will meet the requirement. The decision of the committee will be final and binding upon the parties.**
- vii. **Bidder successfully qualified in Technical bids will only be accepted to participate in the financial bidding.**

5. Technical Requirement:

Minimum technical requirement of various components of the Tower Based AI detection & Forest Fire Warning Solution System

- i. Possess developed Automatic Instant Detection System for Fire Detection.
- ii. AI algorithm (artificial intelligence) that detects fires and gives Instant Alerts to the control room and registered mobile no. of the targeted users.
- iii. Fire Risk Index.
- iv. Detection of Hot Spots (AI + Satellite)
- v. Historical Data Analytics.
- vi. Self Sufficient Infrastructure with coverage up to 20km with minimum effective 15 Km. coverage.
- vii. App based alert detecting software.
- viii. 24x7 operational capability.
- ix. Map Layers
- x. Geo Tracking.
- xi. Continuous monitoring and recording.
- xii. CO2 Emission Dashboard. (Additional)
- xiii. Fleet and Brigade Tracking. (Additional)
- xiv. Deforestation Alerts. (Additional)
- xv. Human & Wildlife detection (Additional)


Deputy Director
Simlipal (South) WL Division
Baillipada

Annexure - Technical Specification

Sr. No	Items	Fully Compliance (Yes/ No)	Make and Model	Page Numbers	Remarks
1	Automatic Instant Detection System for Fire Detection				
2	Automatic Instant Detection System for Fire Detection				
3	Fire Risk Index.				
4	Detection of Hot Spots (AI + Satellite)				
5	Historical Data Analytics				
6	Self Sufficient Infrastructure with coverage up to 20km with minimum effective 15 Km. coverage.				
7	App based alert detecting software				
8	24x7 operational capability				
9	Continuous monitoring and recording				
10	Geo Tracking				
11	Map Layers				
12	Indicate additional Module, if any				

Financial Bid (Tentative BOQ)



Deputy Director
Simlipal (South) WL Division
Baripada
Baripada Solutions

Supply, Installation, Testing and Commissioning of tower based AI detection and Forest Fire Warning Solutions

Sl. No.	Name of the Component	Qty.	Unit Price	Total Price	Rate of GST	Amount of GST	Total Price (with all Taxes)
1	Component-1 (AI-Software, Analytic includes AI Detection, Risk Map, Satellite Data, resource Management, Map Layers, geo Tracking etc.)						
2	Component-2 (Hardware include AI camera, Installation cost on site, Solar power, Control room communication system, maintenance & Upgarde)						
3	Component-3 (Control Room Setup include Receiving station, Touch and onscreen display, Processing Computers, Storage, recordings, Monitoring, Siren System, Firewalls, Bandwidth, routers etc.)						
4	Component-4 (Installation of Towers includes on site civil erection of GBT of height 45 mtr. with foundation to withstand wind velocity upto 100 KM/hour, Transportation to remote location inside sanctuary & maintenance)	5					
5	Additional module if any (Mention price separately for each module)						
5	Training & capacity Building						
6	Annual Maintenance & Renewal						
7	Total						

Note:

1. All the documents should be paged numbered and above format is filled according, failing which the tender will be cancelled
2. I/We have gone through the entire terms & conditions as stipulated in the tender document and confirm to accept and abide the same.
3. The Rate & Amount quoted above should be inclusive of GST, transportations and all other charges or taxes.
4. No other charges would be payable by the tender inviting 'Authority'.


Deputy Director
Simlipal (South) WL Division
Deo Wapda Solutions

Annexure-A

Tender Acceptance Letter

(To be given on Company Letter Head)

Date:

To,

Sub: Acceptance of Terms & Conditions of Tender.

Tender Reference No: _____

Name of Tender / Work: -

Sir,

1. I/ We have downloaded / obtained the tender document for the above mentioned 'Tender/Work' from the web site namely:

as per your advertisement, given in the above mentioned website.

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents (including all documents like annexure(s), etc.), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.


3. The corrigendum(s) issued from time to time by your department/ organization too has also been taken into consideration, while submitting this acceptance letter.

4. I / We hereby unconditionally accept the tender document conditions of above-mentioned tender document / corrigendum(s) in its totality / entirety.

5. In case any provisions of this tender are found violated, then your department/ organization shall without prejudice to any other right or remedy be at liberty to reject this tender/bid including the forfeiture of the full said earnest money deposit absolutely.

Yours Faithfully,

(Signature of the Bidder, with Official Seal)



Deputy Director
Similipal (South) WL Division
Baripada

Check List

Sl. No.	Detail	Yes/No	Documentary Proof (Page No.)
1.	EMD		
2.	Tender Acceptance Letter		
3	Certificate of experience of installing 100+ towers for early warning System		
4	Bidder will have to submit documentary evidences confirming that they have minimum 10 million hectare area covered under the AI based Early warning systems.		
5	Bidder /SI will have to submit documentary evidences confirming that they have minimum 1 million hectare of Forest area under installation of the Early warning system.		
6	Certificate of satisfactory performance of system from any of the client to which the system has supplied & installed.		
7	Technical Specifications		
8	Annexures-A, B, C, D, E & F(as per the proforma provided with the tender document)		
9	Financial Bid		

Note: The 'Authority' reserves the right to accept/reject any or all tenders without assigning any reason thereof and also to reject the material if the same is not found conforming to the specifications, with further right to affect risk and cost of the purchases.

**Seal and Signature of Authorized
Signatory of Tenderer**


**Deputy Director
Similipal (South) WL Division
Baripada**

Annexure-B

UNDERTAKING

It is certified that my Firm/Agency/Company has never been black listed by the any of the Government Departments/Autonomous Institutions/Universities/Public Sector Undertaking of the Government of India or any State Government or reputed educational institutions and no criminal case is pending against the said Firm/Agency/Company.

Signature of the Authorized Signatory -----

Name of the Signatory-----

Name of the Firm/Agency/Contractor-----

Seal of the Firm/Agency/Contractor-----

Place-----

Date-----


Deputy Director
Simillipal (South) WL Division
Chavandla

Annexure-C**Technical Specification**

Sr. No	Items	Fully Compliance (Yes/ No)	Make and Model	Page Numbers	Remarks
1	Automatic Instant Detection System for Fire Detection				
2	Automatic Instant Detection System for Fire Detection				
3	Fire Risk Index.				
4	Detection of Hot Spots (AI + Satellite)				
5	Historical Data Analytics				
6	Self Sufficient Infrastructure with coverage up to 20km with minimum effective 15 Km. coverage.				
7	App based alert detecting software				
8	24x7 operational capability				
9	Continuous monitoring and recording				
10	CO2 Emission Dashboard.				
11	Fleet and Brigade Tracking				
12	Deforestation Alerts.				


Deputy Director
Sirimal (South) WL Division
Baripada

CERTIFICATE OF GUARANTEE/WARRANTY

(This certificate may be reproduced)

- i) I/We certify that the guarantee/warranty shall be starting from the date of satisfactory installation, commissioning and handing over of the equipment and of works conducted therewith covered under the Supply order in working Condition. During the guarantee/warranty period I/We shall provide "after sale service" and the replacement of any part(s) of the equipment or rectification of defects of work of the equipment will be free of cost. The replacement of the parts shall be arranged by us, at our own cost and responsibility. We undertake that the above guarantee/ warranty shall begin only from the date of installation, commissioning and handing over the equipment in working order. The benefit of change in dates of the guarantee/warranty period shall be in the interest of the user/your Institute.
- ii) During the warranty period, we shall provide at least three preventive maintenance visits & all breakdown services without any charges.
- iii) Uptime Guarantee : During the guarantee/warranty period, we will be responsible to maintain the equipment in good working condition for a period of 328 days (i.e., 90% uptime) in a block of 365 days. All the complaints will be attended by us within 5 days of receipt of the complaint in our office. In case there is delay of more than 5 days in attending to a complaint from our side then you can count the number of days in excess of the permissible response time in the downtime.
- iv) We certify that the equipment being offered/quoted is the latest model and that spares for the equipment will be available for a period of at least 5 years and we also guarantee that we will keep the Institute informed of any up-date of the equipment over a period of 5 years.
- v) We guarantee that we will supply spare parts if and when required on agreed basis for an agreed price. The agreed basis could be an agreed discount on the published catalogue price or an agreed percentage of profit on the landed cost.
- vi) We guarantee to the effect that before going out of production of spare parts, we will give adequate advance notice to you so that you may undertake to procure the balance of the life time requirements of spare parts.
- vii) We guarantee the entire unit against defects of manufacture, workmanship and poor quality of components.

Date :
Signatory

Place


Authorised

(With Seal)


Deputy Director
Simalipal (South) WL Division
Baripada

MANDATE FORM FOR PAYMENT

Sr.No.	Supplier Details	
1	Vendor Name	
2	Father/ Husband Name	
3	DOB	
4	PAN Number (Copy provided)	
5	Aadhaar Number	
6	TIN Number	
7	GST No.(Copy provided)	
9	Address Line1	
10	City	
11	Country	
12	State	
13	District	
14	Pin code	
15	Mobile No.	
16	Phone	
17	Email	
18	Bank Name	
19	IFSC Code	
20	Account Number	
21	Others	

Bidder(s)/Authorized Signatory (ies)
Deputy Director
Similipal (South) WL Division
Baripada

DECLARATION SHEET

We..... hereby certify that all the information and data furnished by our organization with regard to this tender specification are true and complete to the best of our knowledge. I have gone through the specification, conditions and stipulations in details and agree to comply with the requirements and intent of specification. This is certified that our organization has been authorized (Copy attached) by the OEM to participate in Tender. We further certified that our organization meets all the conditions of eligibility criteria laid down in this tender document. Moreover, OEM has agreed to support on regular basis with technology / product updates and extend support for the warranty. The prices quoted in the financial bids are subsidized due to academic discount given to NIPER Mohali.

We, further specifically certify that our organization has not been Black Listed/De Listed or put to any Holiday by any Institutional Agency/ Govt. Department/ Public Sector Undertaking.	NAME & ADDRESS OF THE Vendor/ Manufacturer/ Agent
1. Phone	
2. FAX	
3. E-mail	
4. Contract person Name	
5. Mobile Number	
6. GST Number	
7. PAN Number	


Deputy Director
Simlilpal (South) WL Division
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