



Request for Proposal (RFP) for

Rate Contract for Replacement of Batteries, Solar Panels and other related services required at various seismological observatories spread across the country

**National Centre for Seismology (NCS),
Ministry of Earth Sciences (MoES)**

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SECTION – I
GENERAL INSTRUCTIONS TO BIDDERS

1. Introduction:

- 1.1 The Purchaser has issued this Tender Enquiry (TE)document for purchase of goods/stores/articles and related services as mentioned in Section “List of requirements / Technical specifications”, which also indicates, inter alia, the required stores, delivery schedule, terms and place of delivery etc. This section “General Instructions to Bidders” (GIB) provides the relevant information as well as instructions to assist the prospective Bidders in preparation and submission of tenders.
- 1.2 Bidders shall have to agree/accept all the terms and conditions of Tender document including payment terms etc. Acceptance shall be unconditional and Bidders shall have no claim and right in future on their terms, if any.
- 1.3 Whenever there is any conflict between the provision in the “General Instructions to Bidders” with regard to a specific item/para/clause under this section and that in the “RFP”, the provision contained in the RFP shall have an over-riding effect and treated as final. Any special instructions as per “RFP” section will also apply for this purchase. The conditions (like qualification criteria, maintenance services, penalty charges, etc.) mentioned in “RFP” will also apply for this purchase.
- 1.4 Indian vendors /service providers / Manufacturers only can participate in this Bid and should quote in Indian Rupees only. No Foreign Vendor is allowed.

2. Eligible Goods and services: All goods and related services to be supplied under the contract shall have their origin in India or any other country with which India has not banned trade relations. The term “origin” used in this clause means the place where the goods are mined, grown, produced, or manufactured or from where the related services are arranged and supplied.

3. Tender Language: The tender submitted by the Bidder and all subsequent correspondence and documents relating to the tender exchanged between the Bidder and the purchaser shall be written in the English language.

4. Tender Validity:

- 4.1 The tenders shall remain valid for acceptance for a period of 180 days (one hundred eighty days) after the date of tender opening prescribed in the Tender document.
- 4.2 Purchaser’s Right to accept any tender and to reject any or all tenders.
- 4.3 The purchaser reserves the right to accept in part or in full any tender or reject any tender without assigning any reason or to cancel the tendering process and reject all tenders at any

time prior to award of contract, without incurring any liability, whatsoever to the affected Bidder or Bidders.

5. Tendering Expenses: The Bidder shall bear all the costs and expenditure incurred and/or to be incurred by them in preparation, and uploading their tender including attending the pre-bid conference and/ or arranging demonstration of Services or Presentations before the Committee that may be deemed necessary by the Purchaser.

6. Pre-bid Meeting:

- 6.1 Pre-bid conference shall be held as per Notice Inviting Tender (NIT) schedule in order to provide an opportunity to the participating Bidders to interact with NCS with regard to various tender provisions/clauses, before the bids are submitted. Bidders should depute their authorized representative for pre-bid meeting. In case, due to the points/doubts raised by the prospective Bidders, needs to be modified, and then the same will be considered for modification. After pre-bid conference, tender conditions will be frozen. No change will be permissible after pre-bid meeting. Clarification needed, if any, may be sent before the commencement of pre-bid meeting by Email to Mr. Ajay Verma, Meteorologist-'A', akvermaid@gmail.com and ammani.ambikapathy@imd.gov.in. No reply in this regard shall be sent to individual Bidders. Pre-Bid minutes shall be uploaded on e-Procurement portal (<https://eprocure.gov.in/eprocure/app>) and NCS website (<https://www.seismo.gov.in/content/tenders>).
- 6.2 NCS shall hold a pre-bid meeting with the prospective Bidders as per Notice Inviting Tender (NIT) details. Queries received in writing, from the Bidders, prior to the pre-bid meeting shall be addressed. The queries can be sent to NCS through email at ammani.ambikapathy@imd.gov.in and akvermaid@gmail.com.
- 6.3 Conditional tenders shall not be accepted on any ground and shall be rejected straightway. If any clarification is required, the same should be obtained on or before pre-bid meeting. No correspondence will be entertained after pre-bid meeting.
- 6.4 **Regular visit of the website:** Prospective Bidders are advised to see e-Procurement portal <http://eprocure.gov.in/eprocure> or NCS website (<https://seismo.gov.in/tenders>) on regular basis for any change in NIT schedule, amendment / corrigendum in Tender Document including technical requirement and pre-bid minutes etc.

7. Bidder's Eligibility Criteria:

- 7.1 The Bidder should be an Indian firm and have at least TWO years' experience in the execution of similar services such as replacement of batteries or solar panels.
- 7.2 Prime Bidder should have an average **turnover of ₹ 2 lakh per annum during the past TWO years.**
- 7.3 Profit –Loss statement for last TWO financial years should be submitted.
- 7.4 The Bidder is requested to furnish documents to establish their eligibility for each of the above clauses. Relevant portions, in the documents submitted in pursuance of eligibility criteria mentioned above, should be highlighted. If tender were not accompanied by all the above documents mentioned, the same would be rejected. Undertaking for subsequent submission of any of the above document will not be entertained. However, NCS reserves the right to seek the fresh set of documents or seek clarifications on the already submitted documents. All documents should be submitted electronically in PDF format. Upon verification, evaluation/assessment, if in case any information furnished by the Bidder is found to be false/incorrect, their bid shall be summarily rejected and no correspondence on the same shall be entertained.

8. Bid Submission:

- 8.1 The registration number, GST and PAN numbers of the firm should be submitted, failing which Bidder's bid-offer would become invalid & same shall be rejected.
- 8.2 The Bidder should submit the details of agreements entered into with various Manufacturers/Partners/Sub-contractors for executing the work as per RFP and their experience to meet the qualification & experience criteria. The Manufacturer Authorisation form duly filled-up as per **Annexure-3**.
- 8.3 A certificate as per **Annexure-2** stating that the Bidder is not presently blacklisted and hasn't been blacklisted by any institution of the Central/State Government in the past three years should be submitted.
- 8.4 The Bidder has to quote for all items mentioned in Scope of the Services, as per Price-bid format given in **Annexure-6**
- 8.5 No deviations in terms & conditions of the tender document will be accepted in any case.
- 8.6 **Uploading of bids on e-Procurement portal is an essential requirement. Bids not submitted** through e-Procurement portal will not be considered for tender evaluation. The bids submitted by fax/ E-mail / manually etc. shall not be considered. No correspondence will be entertained on this matter.

- 8.7 All the documents attached to the tender for considering offer are supposed to be complete in all respects.
- 8.8 All the bids documents should be signed by the authorized signatory with company seal. All pages of the bid being submitted **must be sequentially numbered by the Bidder**.
- 8.9 NCS will not be responsible for any delay on the part of the bidder in obtaining the terms and conditions of the tender notice or submission of the online bids.
- 8.10 A hard copy of Technical bid only in a sealed cover should be submitted to Sh. Ajay Kumar Verma, Meteorologist-A, III Floor, SatMet Building, Mausam Bhavan Complex, Lodi Road, New Delhi-03 (O11-4382 4592) by hand or by post. The copy **must be** same to the one which had been uploaded on e-procurement portal. Uploading of Tender Bid on e-Procurement portal is compulsory, otherwise bid will not be considered for tender evaluation.
- 8.11 **Part-1 Technical Bid should contain the following details, should be titled as “Technical Bid – NCS Tender for “Rate Contract for Replacement of Batteries, Solar Panels and other related services required at various seismological observatories spread across the country”**
- 8.11.1 Company profile and Infrastructure
- 8.11.2 Registration certificate with Government. Credential/document shall be attached.
- 8.11.3 All the documents asked for Eligibility Criteria.
- 8.11.4 Copy of Tender document duly signed and stamped on each page which means that Vendor has read the document carefully.
- 8.11.5 Compliance sheet as per **Annexure-5** and the supporting documents.
- 8.11.6 Un-priced-bid (without price) containing Bill of Materials (BoM) indicating various components of works relating to RFP, should be submitted. This should be exactly same as price bid format (**Annexure- 6**) mentioned in the tender document.
- 8.11.7 Checklist section (as per **Annexure-1**) properly filled and signed.
- 8.11.8 Submission of Tender Acceptance form as per format given in **Annexure-2**.
- 8.11.9 Any deviations to the Terms and Conditions including Financial shall clearly be brought out in the Technical proposal with specific reasons.
- 8.11.10 The Technical bid file in PDF format and each page must be numbered, NOT containing the above documents or containing the financial bid (with price quote details) in explicit/implicit form will lead to rejection of the bid.
- 8.12 **Price Bid (Part-II):** The financial bid (as per the Price bid format specified in **Annexure-6**) needs to be submitted in PDF format.
- 8.12.1 The rates are to be quoted in strict compliance to the format (specified in **Annexure-6**) otherwise the bid is liable to be rejected.

- 8.12.2 The rates are to be quoted by the Bidders in Indian Currency and payment shall be made to successful Bidders in Indian currency only.
- 8.12.3 The Bidder shall bear all the Income-tax liability as per rates prevailing at the time of undertaking the job in accordance with the Income-tax Act in force in India.
- 8.12.4 Percentage (%) of taxes etc. if any to be claimed shall be indicated in the Price bid, otherwise it will be presumed that rates are inclusive of all taxes and no plea would be accepted in this regard after opening of the Tender bids.
- 8.12.5 Statutory levies, taxes and duties etc., if any, chargeable on the goods/services are payable on actual basis as applicable.
- 8.12.6 If there is a discrepancy between the amount expressed in words and figures, the amount in words shall prevail.

9. Alterations and Withdrawal of Tender:

- 9.1 The Bidder, after uploading its Tender in PDF format, is permitted to alter / modify its tender so long as such alterations / modifications are received duly signed, sealed and marked like the original tender, within the deadline for submission of tenders.
- 9.2 No tender should be withdrawn after the deadline for submission of tender and before the expiry of the tender validity period. If a Bidder withdraws the tender during this period, the firm will be backlisted.

10. Opening of Tenders: The purchaser will open the tenders at the specified date and time and at the specified place as indicated in the NIT. In case the specified date of tender opening falls on /is subsequently declared a holiday or closed day for the purchaser, the tenders will be opened at the appointed time and place on the next working day. Authorized representatives of the Bidders, who have submitted tenders on time may attend the tender opening, provided they bring with them letters of authority from the corresponding Bidders. Two Bid system will be as follows. The Technical Bids are to be opened in the first instance, at the prescribed time and date. These Tenders shall be scrutinized and evaluated by the competent committee/ authority with reference to parameters prescribed in the Tender document. During the Technical Bids opening, the tender opening official(s) will read the salient features of the tenders like Eligibility Criteria, Earnest Money Deposit and any other special features of the tenders, as deemed fit by the tender opening official(s). Thereafter, in the second stage, the Price Bids of technically qualified Bidders only shall be opened for further scrutiny and evaluation on a date notified To the technically qualified Bidders.

11. Unresponsive Bids: The bids will be scrutinized to determine whether they are complete and meet the requirements, conditions etc. as prescribed in the Tender document. The bids are liable to be treated as non – responsive and will be summarily ignored if following details are not provided along with technical bids

11.1 Registration certificate of bidding firm with Government. Credential/document not attached.

11.2 Tender is unsigned.

11.3 Checklist (**Annexure-1**) not enclosed.

11.4 Tender Acceptance Form (**Annexure-2**) not duly signed and stamped. (i.e., all the terms & conditions) of tender document are acceptable. Original Letter shall be enclosed in technical bid.

11.5 Tender validity is shorter than the required period.

11.6 Bidder has not agreed to give the required Performance Security, after issue of Supply Order.

12. Technical Evaluation:

12.1 A duly constituted Technical Evaluation Committee (TEC) will first select Bidders on the basis of eligibility criteria of this tender. The Bids conforming to the eligibility criterion will be considered for further evaluation

12.2 Bidder shall be ready to present their offered solutions before the TEC through online/virtual conference, if required, for further evaluation of their technical proposal.

12.3 If during the preliminary examination, the purchaser finds any minor informality and/or irregularity and/or non-conformity in a tender, the purchaser may waive the same provided it does not constitute any material deviation and financial impact and, also, does not prejudice or affect the ranking order of the Bidder. Wherever necessary, the purchaser will convey its observation on such 'minor' issues to the Bidder asking the Bidder to respond by a specified date. If the Bidder does not reply by the specified date or gives evasive reply without clarifying the point at issue in clear terms, that tender will be liable to be ignored.

12.4 Technical Evaluation Committee (TEC) will shortlist Technical Bids on the basis of technical parameters, presentation on offered technical solutions and features offered. The TEC can make any enquiry/seek clarification from the Bidders on the offered Service Solution. In such a situation, the Bidder shall extend full co-operation. The Bidders can also be asked to give technical presentation/discussion on the offered solution, in a short period notice, as such the Bidders have to be ready for the same.

12.5 For Detailed Technical Presentations/Discussions, Bidder has to ensure the availability of appropriate specialist, along with required documentation for interacting with the Technical

Evaluation Committee. If the required specialist along with proper documentation is not made available by Bidders, then such defaulting Bidders shall be debarred from the tender evaluation process.

- 12.6 Compliance statement in the form of '**Complied**' or '**Not Complied**' shall be given against each term and specification mentioned in the tender document. The compliance statement should contain the signature of the authorized person and the seal of the company. Any deviation should be mentioned/explained by the Bidder in Compliance Statement. The compliance statements should be supported by authentic documentation. Deviations in the lower side will not be accepted.
- 12.7 No enquiry shall be made by the Bidder(s) during the course of evaluation of the tender, after opening of bid, till the final decision is conveyed to the successful Bidder(s).
- 12.8 The names of technically shortlisted Bidders will be announced to only those Bidders whose bids will qualify for the opening of the Price/Financial/Commercial Bids.

13. Financial Evaluation:

- 13.1 The Financial Bids of only those Bidders short-listed from the Technical Bids by TEC will be opened in the presence of their representatives on a specified date and time to be intimated to the respective Bidders, and the same will be evaluated by a duly constituted Finance Evaluation Committee (FEC).
- 13.2 There will be **NO NEGOTIATION** regarding the financial bid.
- 13.3 No enquiry shall be made by the Bidder(s) during the course of evaluation of the tender, after opening of bid, till the final decision is conveyed to the successful Bidder(s). However, the Committee/its authorized representative and office of NCS can make any enquiry/seek clarification from the Bidders, which the Bidders must furnish within the stipulated time else bid of such defaulting Bidders will be rejected.
- 13.4 If there is a discrepancy between the unit price and total price, The Unit Price shall prevail.

14. **Earnest Money Deposit (EMD):** As per Office Memorandum No.F.9/4/2020-PPD dated 12.11.2020 issued by Ministry of Finance Department of Expenditure PPD, NO EMD is required for this tender. The firm has to submit a signed Bid Security Declaration as per **Annexure-4** of tender document on their company letter head failing which their bid will be declared as unresponsive.

15. Performance Security:

- 15.1 Successful Bidder shall submit performance security within thirty (30) days from date of dispatch of supply order/award of the contract by the purchaser or within twenty-one (21) days from the receipt of supply order by the supplier whichever is earlier.
- 15.2 The purchaser may consider annulment/cancellation of supply order/ award of contract if performance security not received in stipulated time.
- 15.3 There is no relaxation/exemption in submitting of Performance Security.
- 15.4 The supplier shall furnish performance security to the purchaser for an amount equal to three percent (3%) of the total value of the order, valid up to sixty (60) days beyond the contract period. The format of bank guarantee to be submitted as performance security is given in **Annexure-2**. The amount of performance security may change and according to the norms prevailing at the time of issue of supply order to the successful bidder.
- 15.5 Performance Security shall be furnished by the Indian supplier
- 15.6 Bank Guarantee should be submitted from State Bank of India (SBI) or any other Nationalized Bank of India.
- 15.7 The successful Bidder will have to deposit Performance Security within the specified time limit given above, of the total value of the work order, in the form of FDR or Bank Guarantee from a Nationalized/ Scheduled Commercial Bank in favour of **“DDO, National Centre for Seismology, New Delhi”**.
- 15.8 Performance Security has to be submitted irrespective of its registration NSIC etc. Performance security is not relaxed to any supplier/service provider. Submission of Performance Security in the form of Bank Guarantee from nationalized bank in India is a must for all suppliers/service providers.
- 15.9 It shall be in any one of the forms namely Fixed Deposit Receipt or Bank Guarantee drawn/issued by a Nationalized Bank in the prescribed form in favour of the purchaser. In the event of any amendment issued to the contract, the supplier shall, within twenty-one (21) days of issue of the amendment, furnish the corresponding amendment to the Performance Security (as necessary), rendering the same valid in all respects in terms of the contract, as amended.
- 15.10 The purchaser will release the Performance Security without any interest to the supplier/ service provider on completion of the supplier’s all contractual obligations including the warranty obligations & after receipt of performance security.
- 15.11 In the event of non-providing the services, the Performance Security shall be forfeited to the extent the services are not provided. Further, if the purchaser has to get the services

from any other Bidder because of failure to provide in full or part by the successful Bidder, the difference in payment may be made from such amount. Also, the amount retained towards "Performance Security" is subject to forfeiture if it is found at any point of time during the period of the contract that the services offered by the supplier are not in conformity to the accepted specifications mentioned in RFP by the purchaser.

15.12 In case the Bidder backs out of the contract in midstream without the explicit consent of the NCS, the PBG will stand forfeited.

15.13 On completion of the Project including warranty, the Performance Bank Guarantee without any interest accrued shall be released after ascertaining that satisfactory support that has been provided during the extended warranty period. In case, it is found that appropriate satisfactory support has not been provided by the Bidder, NCS will ensure that the prescribed penalty as per Clause-42 for the default in service has been realized or shall be recovered from the Bidder out of already due payments.

16. Payment Terms:

16.1 No advance payment will be made in any case.

16.2 100% payment shall be made after successful replacement of batteries or replacement of solar panels or installation of new solar panels, and other related services mentioned in **Section III** as per requirement at each station. The payment will be processed even for a single station after completion of works satisfactorily.

16.3 Payments shall be subject to deductions of any admissible amount for which the bidder is liable under the Service Contract. Further, all payments shall be made subject to deduction of TDS (Tax Deduction at Source) as per the Income-Tax Act, 1961 and any other applicable taxes; and also, penalty charges due to the deficiency in service (if any).

16.4 All payments will be made through RTGS only. In this connection, Bidder shall submit particulars of his Bank Account details – a) Account Number, b) Branch Name and Address, c) IFS code, d) MICR number, e) PAN etc.

17. Arbitration:

17.1 In case any dispute or difference arises out of or in connection with execution of the project (whether during the progress of the Services or after their completion & whether before or after the termination, abandonments or breach of contract) except as any of the accepted matters, provided hereunder, the parties hereto, shall first endeavour to settle such disputes of differences amicably.

- 17.2 If both the parties fail to reach such amicable settlement, then either party (The Purchaser or Bidder) may (within 30 days of such failure) give written notice to the other party requiring that all matter in dispute or difference be arbitrated upon. Such written notice shall specify the matters which are in difference or differences of which such written notice has been given and no other shall be referred to the arbitration of a single arbitrator, to be appointed by both the parties or in case of disagreement as to the appointment of a single arbitrator, to that of two arbitrators, one to be appointed by each party or in case of said arbitrators not agreeing then, to the umpire to be appointed by the arbitrators in writing before entering upon the references. Provisions of Indian Arbitration & Conciliations Act, 1996 or any statutory modification or re-enactment thereof and rules framed there under from time to time shall apply to such arbitration.
- 17.3 The vendor must inform the purchaser about the dispute or differences with the purchaser before going to the Arbitration 3 months in advance. The venue of arbitration shall be New Delhi.
- 17.4 The arbitrators or arbitrators appointed under this Article shall have the power to extend the time to make the award with the consent of parties.
- 17.5 Pending reference to arbitration, the parties shall make all endeavours to complete the work in all respect. Disputes, if any, will finally be settled in the arbitration.
- 17.6 Upon every or any such references to the arbitration, as provided herein the cost of and incidental to the reference and Award respectively shall at the discretion of the arbitrator, or the umpire, as case may be.
- 17.7 The award of arbitrator or arbitrators, as the case may be, shall be final and binding on the parties. It is agreed that the Contractor shall not delay the carrying out of the works by reason of any such matter, question or dispute being referred to arbitration, but shall proceed with the works with all due diligence. The Purchaser and the Contractor hereby also agree that arbitration under this clause shall be the condition precedent to any right of action under the contract except for as provided for in the Tender.

18. Force Majeure:

Force Majeure means an event beyond the control of the supplier and not involving the supplier's fault or negligence and which is not foreseeable. If at any time, during the continuance of the Service contract, in whole or in part by either party of any obligation under the Service contract is prevented or delayed by reasons of any war, hostility, acts of public enemy, civil commotion, sabotage, fires, floods, explosions, devastating earthquake, epidemics quarantine restrictions, strikes, lockouts or

acts of God (hereinafter referred to as "events") etc, provided notice of happenings of any such event is duly endorsed by the appropriate authorities/chamber of commerce in the country of the party giving notice, is given by party seeking concession to the other as soon as practicable, but within 21 days from the date of occurrence and termination thereof and satisfies the party adequately of the measures taken by it, neither party shall, by reason of such event, be entitled to terminate the Service Contract, nor shall either party have any claim for damages against the other in respect of such non-performance or delay in performance, and deliveries under the service contract. The works or maintenance services shall be resumed as soon as practicable after such event has come to an end or ceased to exist and the decision of the purchaser as to whether the Services have so resumed or not, shall be final and conclusive, provided further, that if the performance in whole or in part or any obligation under the Service contract is prevented or delayed by reason of any such event for a period exceeding 60 days, the purchaser may at his option, terminate the Service contract. In such cases, Director, NCS decision shall be final, conclusive and binding between the two parties. There may be a Force Majeure situation affecting the purchase organization only. In such a situation the purchase organization shall take up with the supplier on similar lines as above for further necessary action.

19. Termination of Tender by Purchaser:

- 19.1 From the time of submission of tender to the time of awarding the contract, if a Bidder needs to contact the purchaser for any reason relating to this tender enquiry and / or its tender, it should do so only in writing.
- 19.2 In case a Bidder attempts to influence the purchaser in the purchaser's decision on scrutiny, comparison & evaluation of tenders and awarding the contract, the tender of the Bidder shall be liable for rejection in addition to appropriate administrative actions being taken against that Bidder, as deemed fit by the purchaser.
- 19.3 **Abnormally Low Bids:** An Abnormally Low Bid is one where the Bid price in combination with other constituent elements of the Bid appears unreasonably low to the extent that the Bid price raises material concerns as to the capability of the Bidder to perform the Contract for the offered bid price. In the event of identification of a potentially Abnormally Low Bid, The Purchaser shall seek written clarifications from the Bidder, including detailed price analyses of its Bid price in relation to the subject matter of the contract, scope, proposed methodology, schedule, allocation of risks and responsibilities and any other requirements of the bidding document. After evaluation of the price analyses, in the event that Purchaser determines that the Bidder has failed to demonstrate its capability to perform the Contract for the offered Bid Price, the Purchaser shall reject the Bid.

19.4 The purchaser, without prejudice to any other contractual rights and remedies available to it (the purchaser), may, by written notice of default sent to the supplier, terminate the contract in whole or in part, if the supplier fails to deliver any or all of the goods or fails to perform any other contractual obligation(s) within the time period specified in the contract, or within any extension thereof granted by the purchaser. In the event of the purchaser terminates the contract in whole or in part, the purchaser may procure goods and/or services similar to those cancelled, with such terms and conditions and in such manner as it deems fit and the supplier shall be liable to the purchaser for the extra expenditure, if any, incurred by the purchaser for arranging such procurement. If the supplier becomes bankrupt or otherwise insolvent, the purchaser reserves the right to terminate the contract at any time, by serving written notice to the supplier without any compensation, whatsoever, to the supplier, subject to further condition that such termination will not prejudice or affect the rights and remedies which have accrued and / or will accrue thereafter to the purchaser.

20. Fall Clause: The bidder undertakes that it has not supplied/is not supplying similar products/systems or subsystems at a price lower than that offered in the present bid in respect of Ministry/Department of the Government of India or Public Sector Unit (PSU) and if it is found at any stage that similar products/systems or subsystems was supplied by the BIDDER, to any Ministry/Department of the Government of India or Public Sector Unit (PSU) at a lower price, then that very price, with due allowance for elapsed time, will be applicable to the present case and difference in the cost would be refunded by the BIDDER to the BUYER (National Center for Seismology) or it will adjusted from their bills, if the contract has already been concluded

SECTION – II

SPECIAL CONDITIONS

OF TENDER (SCT)

SECTION – II
SPECIAL CONDITIONS OF TENDER (SCT)

- 22.** The Government of India lays down public procurement policies for Micro, Small and Medium Enterprises (MSMEs), from time to time, to help inclusive national economic growth by providing long-term support these enterprises and disadvantaged sections of society and to address environmental concerns.
- 23.** In this tender, the participating Micro, Small and Medium Enterprises (MSMEs) quoting price within price band of L1+25% (Twenty Five percent) shall also be allowed to supply up to 50% (Fifty percent) portion of total tendered value by bringing down their price to L1 price in a situation where L1 price is quoted by a firm other than an MSME. In case there are two or more MSME firms within such price band, then this 50% (Fifty percent) quantity is to be distributed proportionately among these bidders (As decided by the competent authority of this office).
- 24.** Within this 50% (Fifty Percent) quantity, a purchase preference of 4% (Four percent) i.e. 4% (Four percent) out of 50% (Fifty percent) is reserved for MSMEs owned by Scheduled Caste (SC)/Scheduled Tribe (ST) entrepreneurs (if they participate in the tender process and match the L1 price). Provided that, in event of failure of such SC/ST MSME to participate in tender process or meet tender requirements and L1 price, four per cent sub-target shall be met from other MSME. The MSMEs would be treated as owned by SC/ ST entrepreneurs. The final distribution of the supply order shall be decided by the competent authority of this office.
- 25.** Where any Aggregator has been appointed by the Ministry of MSME, themselves quote on behalf of some MSME units, such offers will be considered as offers from MSME units and all such facilities would be extended to these also.
- 26.** This Policy is meant for procurement of only goods produced and services rendered by MSMEs and not for any trading activities by them. An MSME Unit will not get any purchase preference over another MSME Unit.
- 27.** NCS is following and abides with the Public Procurement (Preference to Make in India), Order 2017, DIPP, MoCI Order No. P-45021/2/2017-B.E.II dated 15th June 2017 and subsequent amendments to the order including order even no. dated 16th Sep 2020. Accordingly, preference will be given to the Make in India products while evaluating the bids, however, it is the sole responsibility of the bidder(s) to specify the product quoted by them is of Make in India product along with respective documentary evidence as stipulated in the aforesaid order in the technical bid itself.
- 28.** The Provision of restrictions under Rule 144(xi) of the GFR 2017 [Order No. 6/18/2019-PPD (Public Procurement No. 1&2) dated 23rd Jul 2020] for the bidder from a country sharing land border with India shall also be applicable.

Section III

Technical Specifications

SECTION-III
Technical Specification

29 Background:

29.1 National Center for Seismology (NCS) is the nodal agency of the Government of India for monitoring of earthquake activity in the country. NCS maintains National Seismological Network (NSN) of 115 stations each having state of art equipment and spreading all across the country covering the length and width. NCS monitors earthquake activity all across the country through its 24x7 round the clock monitoring center. NCS also monitors earthquake swarm and aftershock through deploying temporary observatory close to the affected region.

29.2 Each field stations comprises of VSAT and seismic equipment which are DC powered through a separate battery bank. The battery bank of VSAT equipment consists of 4 nos. of batteries (each of rating 12V 100AH). Similarly, the battery bank of seismic equipments consists of 4 nos. batteries (each of rating 12V 100AH). These two battery banks are being continuously charged through solar panel separately. The battery bank is primary source of power for smooth operation of seismic and VSAT equipments installed at each observatory. The batteries at these observatories have become old and require immediate replacement.

29.3 The present proposal is for the supply, transportation, installation and commissioning of dry storage maintenance free batteries, replacement of existing faulty solar panels, installation of additional solar panels to increase the wattage, installation of new solar panels, conduiting of solar power cables, electrical earthing at Seismological stations as and when required. The list and address of each field stations are given at Annexure-7. The bidder should buy-back the existing old batteries at each field station detailed in Annexure-7

30 Scope of the Services:

30.1 Rate contract for supply, transportation, installation and commissioning of Sealed Maintenance Free (SMF) batteries of following type, ratings and quantity at the existing field stations as detailed in **Annexure-7** and at new stations coming up in future; if any

Battery bank for	Rating of each battery	No. of batteries at each field station
Seismic equipment	12V 100AH	Four
VSAT communication equipment	12V 100AH	Two

The bidder should buy-back the existing old batteries at each field station after its replacement, detailed in Annexure-7.

30.2 Rate contract for supply, transportation, installation and commissioning of Solar Panels. This will include replacement of existing faulty solar panels, installation of additional solar panels to increase the wattage, installation of new solar panels, conduiting of solar panel cables, electrical earthing at Seismological stations as and when required. The works includes replacement of solar charge controller (if required), cabling, its mount-rod, accessories for fixing and installation on roof-top or ground surface, iron-caging of solar panels (if required) as per the site requirement at the existing field stations as detailed in **Annexure-7** and at new stations coming up in future; if any

Solar panels	Specifications	Quantity
80 W solar panels with solar charge controller	Each solar panel rating 80W with compatible solar charge controller	One to four solar panels (depending upon the site)
Cabling, mounting rod, accessories, installation and commissioning. All the cables required to be passed through hard plastic conduit pipe	As per site requirement	
Iron-Caging of Solar Panels	As per the size of solar panels	
Electrical-earthing	chemical earthing with voltage less than 3V AC.	
Iron-caging of the solar panels	As per site requirement	

30.3 Duration of contract: Initially the contract shall be valid for TWO year. It can be extendable on year-to year basis upto the maximum period of four years under the same payment terms and conditions based on satisfactory performance in the preceding year.

30.4 The warranty of supplied batteries shall be ONE year from the date of acceptance.

30.5 The bidder shall deliver the batteries, solar panels, all material detailed under the above clauses 30.1 and 30.2 safely at each site.

30.6 Transportation, installation and successful commissioning of equipment at site shall be the responsibility of the bidder.

30.7 The replacement of batteries, solar panels and other related works required to be executed by the Bidder at each site under the guidance and technical support of the NCS. In this connection, the Bidder should inform in advance about their plan of visit and work schedule of execution before visiting the site.

30.8 The bidder should provide the complete schedule giving the details of date of supply and installation of batteries at each field stations. These details are to be provided within 2 days from the date of issue of work order.

30.9 Schedule of delivery & installation:

30.9.1 For replacement of batteries (under buy-back arrangement of old existing batteries):

All the batteries must be transported, installed and commissioned within the following number of days as given in the table below from the date of issue of supply order.

Region of operation	No. of days
Mainland (M)	7
Himalayan & North-East region (HNE)	15
Andaman & Nicobar Islands (A&N)	30
Lakshadweep Islands (LD)	30

30.7.2 For replacement of Solar Panels with accessories: All the solar panels, solar charge controller, its cables, stand mounting rod with accessories / roof-mounting with accessories, electrical-earthing material etc. must be transported, installed and commissioned within the number of days as per the above table from the date of issue of supply order.

31 Penalty: Delay in replacement of batteries / Solar panels shall attract the penalty as per the details given in the following table.

In case of any problem arising due to not supplying of batteries as per the table given above, penalty shall be imposed as per the following criteria.

31.1 Penalty will charged as given below:

Table penalty charges.

Region	No of days taken to install the new batteries	Penalty charges (against to the charges corresponding to that particular station given in the work order.)
Mainland (M)	8-15	20 %
	16-45	50 %
	>45	75%
Himalayan & North-East region (HNE)	16-30	20 %
	31-45	50 %
	>45	75%
Andaman & Nicobar Islands (A&N) & Lakshadweep Islands	20-35	20 %
	36-60	50 %
	>60	75%

32 Successful Bidder's Responsibility:

- 32.1** It shall be the responsibility of the selected Bidder to undertake the supply order as and when issued.
- 32.2** As per the requirement of NCS, New Delhi, the Bidder shall have to be in a position to provide services at any time and the quantity, deliverables and services is as per the requirement at each of the station.
- 32.3** The selected bidders shall have to provide acceptance to the offer issued by NCS for honouring all tender conditions and adherence to all aspects of fair trade practices in executing the work order placed by NCS.
- 32.4** In the event, the selected Company or the concerned division of the Company is taken over /bought over by another company, all the obligations and execution responsibilities under the agreement with the NCS, should be passed on for compliance by the new company in the negotiation for their transfer.
- 32.5** In case of selected Bidder is found in breach of any condition(s) of tender or work order, at any stage during the course of contract service period, the legal action as per rules/laws, shall be initiated against the bidder and Bank Guarantee/Security Deposits shall be forfeited, besides debarring and blacklisting the bidder concerned for at least three years, for further dealings with any Government organization.
- 32.6** The Bidder should not assign or sublet the service contract or any part of it to any other agency in any form. Any such eventuality shall result in termination of contract and forfeiture PBG concerning such Bidders / parties.
- 32.7** NCS shall not be responsible for damages of any kind for any mishap/injury/accident caused to service engineer/person involved during the supply, installation and commissioning of batteries at any station by the Service provider while performing duty. All liabilities, legal or monetary, shall be borne by the Service provider.
- 32.8** NCS may, at any time, terminate the Service Contract by giving written notice to the Bidder without any compensation, if the recommended bidder becomes bankrupt or otherwise insolvent, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to NCS.
- 32.9** No deviations from these terms and conditions will be accepted; violation thereof will lead to rejection of the bid and forfeiture of PBG.
- 32.10** The Director, NCS reserves its right to terminate the maintenance contract at any time without assigning any reason. The Bidder will not be entitled to claim any compensation against such

termination. However, while terminating the contract, if any payment is due to the contractor for maintenance services already performed in terms of the contract, the same would be paid to the contractor as per the contract terms.

32.11 The contract can be terminated by NCS with prior notice of THREE months, without assigning any reason. In this connection the decision of Director, NCS shall be final and binding on the Bidder/Service Provider.

CHECKLIST

SNo.	Activity	Compliance Yes/No/N.A	Page No. of your bid
1.	Company Profile, Infrastructure, and Registration Certificate		
2.	Details of Permanent Income Tax account number& GST number? (Attach a copy)		
3.	Have you enclosed all supporting documents as mentioned at 8.11		
4.	Copy of Tender document with each page signed and stamped as per Clause no. 8.8 in Section-I.		
5.	Have you enclosed Tender Acceptance Form (Annexure-2) duly filled and signed (i.e., terms and conditions are acceptable) with original set of tender. Tenders may be ignored if not signed.		
6.	Have you enclosed clause-by-clause compliance statement for the general terms and RFP requirements mentioned under Section-1, Section-II and Section- III.		
7.	Supporting documents for the terms mentioned under “Bidders Eligibility Criteria” (Clause no.7).		
8.	Have you submitted copy of the last purchase order(s) and performance certificate from users?		
9.	List of Service Centres/authorized service centres in India		
10.	State whether the business dealings with you have been banned/blacklisted by the Ministry of Earth Sciences (MoES) or any other State/Central Government Department, in the past, as per clause no. 8.3 at Section-I		
11.	Have you submitted the complied Un-priced bid containing Bill of Materials?		
12.	Name of the firm who quoted the price.		
13.	Name of the supplier with complete address to whom work order to be placed.		
14.	Contact person from the firm for correspondence with complete postal address with Email.		

Signature of Bidder:

Full name, designation and address of the person signing (in block letters):

Whether signing as Proprietor/Partner/Constituted Attorney/duly authorized by the Company:

TENDER ACCEPTANCE FORM

(For all the terms & conditions of tender document are acceptable to Tenderer)

To

The Director, National Centre for Seismology,

Mausam Bhawan Complex, Lodi Road, New Delhi-110003

Ref: TE document No. NCS/_____ dated _____

I/We, the undersigned have examined the above mentioned TE document, including amendment/corrigendum No. _____, dated _____ (if any), the receipt of which is hereby confirmed. We now offer to _____ services in conformity with your above referred document.

If our tender is accepted, we undertake to supply the goods and perform the Services of “Rate contract for Replacement of Batteries, Solar Panels and other related services required at various seismological observatories spread across the country” as mentioned in tender document with the requirements, terms and conditions specified in the Section I, Section II and Section III of tender document.

I/We further confirm that, if supply / purchase order is placed to firm, we shall provide performance security of required amount in an acceptable form for due performance of the contract.

I/We agree to keep our tender valid for acceptance as required in tender document or for subsequently extended period, if any, agreed to by us. I/We also accordingly confirm to abide by this tender up to the aforesaid period and this tender may be accepted any time before the expiry of the aforesaid period. I/We further confirm that, until a formal contract is executed, this tender read with your written acceptance thereof within the aforesaid period shall constitute a binding contract between us.

I/We further understand that you are not bound to accept the lowest or any tender you may receive against your above-referred tender enquiry.

We confirm that we do not stand deregistered/banned/blacklisted by any Govt. Authorities.

I/We confirm that we fully agree to the terms and conditions specified in above mentioned TE document, including amendment/ corrigendum etc. if any.

(Signature with date and seal of the company)
(Name and designation)

Duly authorised to sign tender for and on behalf of Bidder / Tenderer

**Note : Firm/company shall use their own printed letter head for issuing this certificate
Acceptance shall be unconditional.**

MANUFACTURER’S AUTHORISATION FORM

(Bidders, quoting products other than his own manufactured products, shall submit this certificate in following format on the Letter Head of the firm)

To,
The Director,
National Centre for Seismology,
IMD Campus, Mausam Bhawan, Lodi Road,
New Delhi-110003

Sub: Manufacturer Authorization for Tender No _____.

Sir,

We, <OEM / Manufacturer Name> having our registered office at <OEM / Manufacturer Address>, are an established and reputed manufacturer of

We confirm that <Bidder Name> having its registered office at <Bidder Address> is our authorized partner for We authorize them to quote for In the abovementioned tender.

We hereby confirm that we shall provide all service and maintenance support to our authorized partner during the entire contract period. We also ensure to provide required spares and service support to the above authorized partner while offering onsite maintenance services.

Yours faithfully,

[Signature with date, name and designation]
for and on behalf of Messrs _____

[Name & address of the manufacturers along with Seal of the firm]

Note: This letter of authorisation should be on the letter head of the manufacturing firm and should be signed by a person competent and having legal binding to the manufacturer (original letter to be attached or to be shown at the time of opening of bids).

BID SECURITY DECLARATION FORM

Whereas _____
 (hereinafter called the tenderer) has submitted their offer dated _____ for the
 supply of _____ (hereinafter called the tender)
 Against the Purchaser's Tender No. _____ KNOW ALL
 MEN by these presents that WE _____
 of _____ having our registered office at
 are bound unto _____ (hereinafter called the "Purchaser"). In the sum of
 _____.

For which payment will and truly to be made to the said Purchaser, the Bank binds itself, its successors
 and assigns by these presents. Sealed with the Common Seal of the said Bank _____ day of
 this _____ 2021.

THE CONDITIONS OF THIS OBLIGATION ARE:

- (1) If the tenderer withdraws or amends or modifies or impairs or derogates from the Tender in any respect within the period of validity of this tender.
- (2) If the tenderer having been notified of the acceptance of his tender by the Purchaser during the period of its validity
- (3) If the tenderer fails to furnish the Performance Security for the due Performance of the contract.
- (4) Fails or refuses to accept/execute the contract.

We undertake to pay the Purchaser up to the above amount upon receipt of its first written demand, without the Purchaser having to substantiate its demand, provided that in its demand the Purchaser will note that the amount claimed by it is due to it owing to the occurrence of one or both the two conditions, specifying the occurred condition or conditions.

This guarantee will remain in force up to and including 45 days after the period of tender validity and any demand in respect thereof should reach the Bank not later than the above date.

(Signature of the authorized officer of the Bank)

Name and designation of the officer

Seal, name & address of the Bank and address of the Branch

Note: Whenever the bidder chooses to submit the Bid Security in the form of Bank Guarantee, then he should advise the banker issuing the Bank Guarantee to immediately send by Registered Post (A.D.) an unstamped duplicate copy of the Guarantee directly to the Purchaser with a covering letter to compare with the original BG for the correctness, genuineness, etc.

COMPLIANCE STATEMENT

SNo.	Tender Clause No.	Compliance (Yes/No)
1	Undertaking for the compliance of each and every term and conditions mentioned under Section-1, Section-II and Section-III of Tender document.	
2	Compliance of work component of contract as per Annexure-6 .	

STATEMENT OF DEVIATIONS FROM TECHNICAL CONDITIONS

CLAUSE NUMBER OF TENDER DOCUMENT	DESCRIPTION OF ITEM SPECIFICATION WHERE DEVIATING	DEVIATION IN THE OFFER	BRIEF REASON FOR THE DEVIATION

Note: Deviations on the lower side of technical specs/services will not be accepted

Signature of the Bidder

Name & Designation:

Date

Place

Company Seal

PRICE BID FORMAT

SN	Items Description	Quantity	Unit Rate (Rs.)	GST on rate (Rs.)	Effective Rate (Rs.)	Total (Rs.)
A	B	C	D	E	F=D+E	G= C x F
1	Supply Transport, Install and Commissioning of 12V 100AH battery with buy-back of old batteries	M	15			
		HNE	15			
		A&N	2			
		LD	1			
2	Supply Transport, Install and Commissioning of 12V 65AH battery with buy-back of old batteries	M	15			
		HNE	15			
		A&N	2			
		LD	1			
3	Supply Transport, Install and Commissioning of 80W Solar Panels with conduiting of cables	M	15			
		HNE	15			
		A&N	2			
		LD	1			
4	Iron-caging for solar panels	M	5			
		HNE	5			
6	Electrical Earthing (chemical)	M	10			
		HNE	10			

M: Mainland ; HNE: Himalayan & North-East region ; A&N: Andaman & Nicobar Islands; LD: Lakshadweep Islands

Note:

1. Above rates shall remain fixed during the entire period and extended period of the contract, for work orders issued time to time as per the requirement of the Purchaser
2. Unpriced Bill of Materials (BoM) should be submitted with the Technical Bid.
3. Price bid (in pdf format excluding note/instructions) shall be uploaded on eprocure.gov.in
4. The above requirement is tentative for 1st year of the contract, which may slightly vary as per actual requirement.

Signature of Tenderer _____ Seal of Tenderer _____

S.No:	State/UT	Name of Station (Station Code)	Observatory Address	Contact Details	E-Mail
1.	Andaman & Nicobar	Campbell Bay (CMBY)	Seismological Observatory, India Meteorological Department, Rajiv Nagar, Near Old Assistant Commissioner Office, Campbell Bay, Great Nicobar, A&N Islands, Pincode: 744202	Mr. M.V. Jose Ph/Fax : 03192- 264217/264218 / 264070	
2.	Andaman & Nicobar	Diglipur (DGPR)	Seismological Observatory, KL-2 type-1 , ward no.-2 Kalara, Naba gram police station, Kali Ghat,Diglipur (Post), North Middle Andaman District (Post)-744202	Mr. Tejbahadur Executive Engineer Fax:03192-272203 PH: 03192-272473 Laxman Prasad 09474276319	
3.	Andaman & Nicobar	Port Blair (PBA)	Seismological Observatory, Meteorological Office, Shadipur (P.O.), Portblair- 744 106, Andaman & Nicobar Islands	PH:03192-227750	imd.pbl@gmail.com
4.	Andhra Pradesh	Vijayawada (VJD)	Seismological Observatory, H. No. 32-30-15,1 st Mayor Street, Maruthi Nagar, Vijayawada-520004	PH. 0866-2430585, Shiv Nageshwar Rao- 08897141890 (M)	

5.	Andhra Pradesh	Tirupati	<p>Dr. Romanbabu Meetei Oinam, Ph.D Assistant Professor . Department of Civil & Environmental Engineering Indian Institute of Technology (IT) Tirupati . Office :0877 2503161, Mobile - 8802046327 and Dr. A. Murali Krishna Professor, Dept. of Civil & Environmental Engg. Dean, Planning & Infrastructure Indian Institute of Technology Tirupati , Andhra Pradesh- 517506</p>	<p>Phone: +91 877 250 3168 (O) Mobile: +91 83339 80223; +91 70860 46500</p>	<p>email: amk@ittp.ac.in, adapamk@gmail .com</p>
6.	Andhra Pradesh	Vishakhapatnam (VISK)	<p>Seismological Observatory, Cyclone Warning Centre, India Meteorological Department, A.U. Out Gate, Beach Road, Visakhapatnam-530 017</p>	<p>PH.0891-2555163 GV Nageshwar Rao – 9014585887</p>	
7.	Andhra Pradesh	Rajahmundry	<p>Dr. K. V. Swamy Asst. Professor, Dept. of Geology & Director IQAC, Nodal officer AISHE Adikavi Nannaya University, NH-16 Rajahmundry - 533296, AP, India.</p>	<p>Phone (O):0883- 2566042; Mobile: 9494185691. Kishore PH: 09493456654</p>	
8.	Andhra Pradesh	Anantapur	<p>Officer-In-Charge (Mr. Vamsi Krishna, 09490200212) Pilot Ballon Observatory Near SK University, SV Puram. Anantapur-515003</p>	<p>Tel. No. 08554-255 178 3.</p>	<p>pboanantapur@ gmail.com</p>

9.	Andhra Pradesh	Kurnool	DVLN Somayajulu The Director Indian Institute of Information Technology. Design and Manufacturing, Kurnool (An Institute of National Importance under an Act of Parliament) Jagannathagattu, Dinnedavarapadu, Kurnool – 518007	Tel:+91 9490536547 Landline: 08518- 289100	
10.	Arunachal Pradesh	Upper siang (Tuting)	Shri Starlie Jamoh Pradesh ADC, Tuting, ADC Office, Tuting- 791105	9436895220/087308 89381	
11.	Arunachal Pradesh	Hayuliang	Shri Sode Potom, Addl. Deputy Commissioner O/o- Addl Deputy Commissioner, Hayuliang, Anjaw -District, Arunachal Pradesh-792104	9436694230 Shri Desamu Kri, Asst 9436221722 /9862866125 (nodal contact point)	
12.	Arunachal Pradesh	Itanagar (ITAN)	DDMO, O/o Dy. Commissioner, Yupia, District:Papum Pare, Arunachal Pradesh- 791110.	0360-2290793(O),- Ph :- 9436225275(Smt. Y.Jerang, DDMO) Tachi Topu(guard)- 9402900940, 9402991313	
13.	Arunachal Pradesh	Pasighat (PASG)	Seismological Observatory, DDMO, O/o Dy. Commissioner, Pasighat., District: East Siang, Arunachal Pradesh-791102	DDMO Pasighat- 9436053326, 9436632759	
14.	Arunachal Pradesh	Tawang (TAWA)	Chaubey Jee, DDMO Seismological Observatory, O/o Dy. Commissioner, Tawang, District: Tawang, Arunachal Pradesh-790104	Ph:- 9436078928(Chaube y jee)	
15.	Arunachal Pradesh	Ziro (ZIRO)	Seismological Observatory, C/o Shri JD PRASAD, PD, DRDA, Manipolyang, O/o Dy. Commissioner, District: Lower Subansiri, Ziro, Arunachal Pradesh-791120	Ph:- 9436045746(project officer) 9436225248(JD PRASAD) U.Singh - 8729902500	

16.	Assam	Dhubri (DHUB)	Circle Officer, DDMO, O/o Dy. Commissioner, Dhubri, Assam Pin-783301	Ph:-9957229795, 8876841117(DDMO DHUBARI)	
17.	Assam	Dibrugarh (DIBR)	DDMO, O/o Dy. Commissioner, Dibrugarh (Post) Assam-786003.	Ph :- 0373-2316063(O) Ph:- 9678468787(Hatikakoti)	
18.	Assam	Guwahati (GUWA)	Office of DDGM Regional Meteorological Centre Guwahati, LGBI Airport, Guwahati Assam – 781039.	Dr Sanjay Shaw, Sc-E Ph:- 03612840238(office), 03612840243(office) Ph :- 9864232832	
19.	Assam	Jorhat (JORH)	Seismological Observatory, C/o Principal , Jorhat Engineering College, District : Jorhat, Pincode-785007	Ph :- 0376-2320020(O) Kiron Hazarika-(guard)-9365021443	
20.	Assam	Lekhapani (LKP)	Officer In-charge, Seismological Observatory, Tirap Gate, Via Ledo, Distt. Tinsukia (Assam) - 786182.	Ph:- 8178675781(Rahul S.A.)	
21.	Assam	Silchar (SILR)	Officer-in-charge, Meteorological Office, Silchar, Choudhury Villa, Shibalik Park, Lane No. L-10, PO -Meherpur, Distt- Cachar PIN :- 788015 Assam	Ph :- 03842-231193(O) Nitin Garg(S.A.)- 9810830741, 9518072092 Aman Raj(SA)- 8409209055	

22.	Assam	Tezpur (TEZP)	DDMO, Office Dy. Commissioner, P.O. Tezpur, District Sonitpur : Assam – 784001 (Seismological Observatory located at old ADC Residential Quarter, Agnigarh)	Ph:- 9854122731 Nazir, Tezpur DC office Sh Rajiv Goswami9435381080 Guards-7896860077(Dhruvo nath),8876887163(Haris Sharma),8135076797(kulkeshwar),8399853670(Vishnu)	dc-sonitpur@nic.in
23.	Bihar	Gaya (GAYA)	Seismological Observatory, ManregaBhawan, Block Office Complex, Wazirganj (Gaya)-805131, District Gaya(Bihar)	Mr.Dilip Singh PH:09708662990 PH:8210528060	
24.	Bihar	Jamui (JMUI)	Seismological Observatory, Sub divisional Office Complex, Near Collectorate, Jamui, JAMUI (BIHAR)-811307	Mr. Rajeev Ranjan (nazir transfer) PH:09934478745 Mr Naveen (Nazir) 6200827878	
25.	Bihar	Araria (ARIA)	Seismological Observatory, Premises of Old Sub-Divisional Office, Near Office Of UtpadVibhag, Campus of Collectorate, Araria, District- Arariya(Bihar)-854311	Mr. Prince Contact Number 9936906113 Secondary Number: 7979962548	Arariya District HQ Fax No. - 06453222124
26.	Bihar	Sitamarhi (STMR)	Seismological Observatory, E-KishanBhawan, Block Office Premises, CO Office Campus, Bairganiya, District-Sitamarhi (Bihar)-854311	Mr. Satya Prakash Sharma PH:09431803899 Mr. Amit Kumar (CO) PH:09931064408 Shri Somprakash : 7033850576 (20km far from observatory) Mr. Mandal : 8544132680 (primary), (Caretaker) 9546235981 (Mandal's friend, only urgent work)	

27.	Bihar	Valmiki Nagar (VLK)	Seismological Observatory, India Meteorological Department, Valmikinagar-845107, West Champaran (Distt.), Bihar	Sudhanshu Kumar SA 8102658366	
28.	Chandigarh (U.T)	Chandigarh (CGRH)	Seismological Observatory, Meteorological Centre, Sector 39-C, Chandigarh, Union Territory -160036	Raj Kumar Jaswal PH: 8988210427	
29.	Chhattisgarh	Bilaspur (BLSP)	Seismological Observatory, India Meteorological Department, near Gitanjali City, near Pratham Hospital, In front of Rice Mill, Bahatrai Road, Bilaspur-495006	PH:07752-211162, Mr DAS- 8770398763	1) mahendrametpen@dra@gmail.com 2) sobilaspu@gmail.com
30.	Chhattisgarh	Kanker (KNKR)	Seismological Observatory, Room No.:-28, Near Collectorate Building, Kanker, North Baster, Chattisgarh-494334	Mr. R.K. Vaishno (NDC) PH:08084220622 Mr.Ranji Kr. Lal, Assistant Commissioner PH:08969309370	
31.	Chhattisgarh	Raipur	Meteorological Center Near MMI Hospital Lalpur, Raipur (C.G.) Pincod- 492015	Phone No.:(0771) 2103999, 2413589 Fax No.- (0771) 2413589	E-mail : metcentreraipur@gmail.com
32.	Chhattisgarh	Jagdalpur	Sh. R.K. Sori Mausam office, kumharpara, Jagdalpur District-Bastar Chhattisgarh-494001	Sh. R.K. Sori Landline ph. No. 07782227383.	
33.	Delhi	Ayanagar (AYAN)	Seismological Observatory, MausamVibhag, Ayanagar, Mehrauli Gurgaon Road, (M. G. Road), New Delhi Pincod-110047	PH: 011-65668041 Mr. Rajinder Bhat Mobile No: 8830931609 Ayanagar Office No: 9013286821	
34.	Delhi	Lodi Road, New Delhi (LDR)	Seismological Observatory, R.No. 303, SatMet Building , MausamBhavanComplex, pin code-110003	PH. 011-43824504	

35.	Delhi	Najafgarh (Ujwa), Delhi (NJFR)	Seismological Observatory, PHC (Primary Health Centre) Ujwa, Dr.Charan Singh Director, Rural Health Training Centre, Najafgarh, New Delhi-110036	Mr Arun, Care taker PH: 9891002172	
36.	Delhi	Narela, Delhi (NARL)	Seismological Observatory, SDM office, MPCC building, Naya Bans, New Delhi - 110082	Mr. Ravi, PS to SDM, Narela Ph: 011-27844214, 9873218079	
37.	Delhi	Ridge, Delhi (NDI)	Seismological Observatory, India Meteorological Department, Flag Staff Road, Kamala Nehru Ridge, Delhi-110007	PH:011-27662607 Vedprakash- 7217794527	aditya.gupta1960@gmail.com
38.	Delhi	Jamia University (JMIU)	Seismological Observatory, Department of Geography, Faculty of Natural Science, JamiaMillialIslamia, Jamia Nagar, New Delhi - 110025	Dr. Masood, Head Geography Dept. PH: 011-26981717 (Ext.3312), 9990948270	
39.	Delhi	NPL Pusa, New Delhi (NPL)	Seismological Observatory, Room No-206, CSIR-NPL Pusa, K.S. Krishnan Marg, New Delhi -110012	Dr A.K. Updhayaya, Scientist Ph:011-45608241, 9718885798 Jitendra: PH:7411432564	
40.	Goa	Goa (GOA)	Seismological Observatory, Met Centre, India Meteorological Department,Altino Hill, Panjim, Goa-403 001	PH:0832-2425547 Mr Rahul (Scientist "B")- 9643958464	
41.	Gujarat	Bhavnagar (BHV)	Seismological Observatory, India Meteorological Department, Circuit House, Waghawadi Road, Bhavnagar-364002 Gujarat	PH: 0278-2561194 /2560451/52/53, 09909527170	1) jrchicholikar@gmail.com 2) seismobhavnagar@gmail.com

42.	Gujarat	Bhuj (BHUI)	Seismological Observatory,India Meteorological Department, Patwarinaka, Kodaki Road, Opposite Bharat Dudh Dairy , Bhuj-370 001, Gujarat	PH: 02832-221352 Mr. YogeshkumarBhat, MTS -8866697407	
43.	Gujarat	Surat	Officer-In-Charge, Pilot Balloon Observatory, India Meteorological Department, Old R T O Compound, New Magdlla, SURAT-395 007		
44.	Gujarat	Veraval	Office-In charge Pilot Baloon Observatory , Rajendra Bhawan Road, Near Fisheries Colony, Veraval , Gir - Somnath - 362265		
45.	Haryana	Bahadurgarh (BHGR)	Seismological Observatory, Old Mini-Secretariat, Main Delhi-Rohtak Road, Bahadurgarh-124 507, District Jhajjar, Haryana	No contact person	
46.	Haryana	Ganaur (GNR)	Seismological Observatory, SDM office, Ganaur(Post), GanaurSonipat, pincod- 131101	Mr. Sonu (Steno to SDM) PH:0130- 2460810, 991677483(M) Electrician Vijendra - 7988524285	
47.	Haryana	Jhajjar (JHJR)	Seismological Observatory, PWD Office(Building & Road Branch), Near BaghJohra Stadium Jhajjar- 124103 Haryana	Shri Jai Bhagwan, SDE PH:9728930302 Shri Ram Milan PH: 09050649880	
48.	Haryana	Kundal (KUDL)	Seismological Observatory, Smt. SeoBai w/o Sh. Puran Singh, Village – Kundal,Distt. – Rewari (Haryana), Pincod-123101	Mr. Brahmpal PH: 09992298282 Mr. Gopal 8059064401	

49.	Haryana	Kurushetra (KKR)	Seismological Observatory, Department of Geophysics, Kurukshetra University, Distt - Kurukshetra, Haryana, Pincod-136119	MR. KULWANT SINGH PH: 09812285900	
50.	Haryana	Palwal (PLWL)	Seismological Observatory, Mini Secretariat, Room No. 20, Palwal-121102, Haryana	Mr Birsingh 9812055417 Mr Dharamendra 9671610990 Surendar (Electrician) 9991443391	
51.	Haryana	Rohtak (RTK)	Seismological Observatory, Sh. Khushabi Lal Maggu, S/o Sh. Ram Lal Maggu, Village & P.O. – Bansi, Tehsil- Maham, District – Rohtak (Haryana), Pin-124111	Mr. Rajesh PH: 01257-270696 Rinku – 8708353673 Vishal:- 9812470300	
52.	Haryana	Sohna (SONA)	Seismological Observatory, Smt. Ram Murti, Ward No. 11, Village – Thakurwada, Distt. – Gurgaon (Haryana), PIN-122103.	Mr. Raj. PH: 09992287962	
53.	Haryana	Pataudi (PTDI)	Seismological Observatory, Community Health Center, In Front of Municipal Corporation, Pataudi, Gurugram, Haryana-122051	Dr. Hajari Lal, SMO PH:09999066661 Sh. Jitender PH:09728708668	
54.	Haryana	Faridabad	Block Development and Panchayat office. opposite H.No.131, Sector 16A. Faridabad, Haryana 121001.		
55.	Himachal Pradesh	Bhakra (BHK)	Seismological Observatory, India Meteorological Department, 16 LVR Bungalow, Nangal TownShip, Nangal-140124	PH: 01887-223095 Mr. Mahan Gurung- 9041290612 Mr. Des Raj – Contract Staff 9878045445 Praveen PH: 9988396745	

56.	Himachal Pradesh	Dharamshala (DHRM)	Seismological Observatory, Wadia Institute of Himalayan Geology, Dal Lake (P.O), Upper Dharamshala-176 216, Kangra (District), Himachal Pradesh	Mr. R.M. Sharma Senior Technical Assistant Mobile No.- 9882122330 Mr. Umed Singh - 08988362659	
57.	Himachal Pradesh	Kalpa (KLP)	Seismological Observatory, House of Shri J.K.Negi, Village Dhuni, Kalpa (Post)-172108, Kinnaur District, (H.P.)	Sh. J. K. Negi PH:09418109888 PH: 8957860250 Aditya Avasti (IMD Kalpa) PH: 8146222388	
58.	Himachal Pradesh	Shimla (SMLA)	Seismological Observatory, Upper Bharari, Shimla -171 001, H.P.	PH. 0177-2806724	
59.	Himachal Pradesh	Sundernagar (SNDN)	Seismological Observatory, India Meteorological Department, LAB Building, Opposite Arya SamajMandir, BBMB Colony, Sundernagar Township (Post)- 174 402	Mr. Rajeev Kumar PH:09418414784 Mr. Premchauchan PH:09418030592 UmeshNaik, (Addl. SE , BBMB, Sundernagar) - 8091767115 Mr. Bal Kisan, J.E. Mob.No.0981665949 5 Rajiv Kumar Mob. No. (Supervisor)8219047514 Ram Kewal Arya Samaj (Security Guard) PH: 9816103863	xentownsnr@bbmb.nic.in (Email id of office of executive engineer BBMB Sundernagar)
60.	Himachal Pradesh	Pongdam/Talwar a (TLWR)	Seismological Observatory, BBMB Seismological Observatory, Village Ghamroor, Tehsil Jaswan, District Kangra (H.P)-176 502	Somraj Junior Engineer - 7018167847 Mr. Tejpal Singh, SDO PH: 09417456978 Armesh Kumar (key holder) 7347549045	

61.	Himachal Pradesh	Tissa (TSSA)	Seismological Observatory, PanchayatSamiti Hall, Office of the Block Development Officer, Development Block Tissa at BhanjraruTissa, Churah, District of Chamba, Himachal Pradesh-176316	Babnesh kumar chadda (BDO) --- 7018768023 Mr. Arun Chauhan(9817808319) Junior engineer	
62.	Jammu & Kashmir	Jammu (JMU)	Seismological Observatory, Met. Office JAMMU, Phase-I, BantslabRajenderNagaer, Jammu-180007	PH:0191-2597797, 09419206895 Rajesh Kapur Mobile No. 6006850682	1) rajeesusi1@gmail.com 2) mojammuu@ymail.com
63.	Jammu & Kashmir	Srinagar (SRIN)	Seismological Observatory, Met.Center, Rambagh, Srinagar-190015	PH. 0194-2430115 Mr. F.A. Bhat Srinagar 09419427406	
64.	Jharkhand	Bokaro Thermal (BOK)	Seismological Observatory,India Meteorological Department, Bokaro Thermal (Post), District Bokaro -829 107 (Jharkhand)	PH:06549-266781 PinakiMandal , OIC Mobile no. 09831027478	
65.	Jharkhand	Khunti (KNTI)	Seismological Observatory, District Transport Office, District Court Complex, Khunti District-835210	Sh. Vijay Kumar PH:08083582782	
66.	Jharkhand	Sahibganj (SHBG)	Seismological Observatory, India Meteorological Department, ShiduKanhu Stadium compound, Sahibganj-816109, Jharkhand	PH. 06436-222202, Shri RamendraNathMandal, OIC 7890283616, 9163255903 Sunil Kr. Paswan – Sr. MTS 7078726092/6205012950 Sh. Badhana Ordain-MTS 8409801198 Sanjay kumar PH: 7667509866	1) ghoshak70@gmail.com 2) seismosahibganj@gmail.com

67.	Karnataka	Mangalore (MNGI)	Seismological Observatory, India Meteorological Department, Panambur (P.O) Mangalore-575010	PH: 0824-2409776	1) rsrw.panambur@imd.gov.in
68.	Karnataka	Bengaluru	The Chairperson Department of Civil Engineering Indian Institute of Science Bangalore - 560 012. INDIA	Mobile: Sai Laksman PH: 9701814020	2)
69.	Karnataka	Mysore	K.R.S. Dam Seismic Observatory The Assistant Executive Engineer No. 01, Maintenance Sub Division, Cauvery Neeravari Nigam Limited(CNNL). K.R.Sagar-571607 Mandya District.	Contact Person:- Manasa(AE) 9900314541	3)
70.	Karnataka	Koppal	Tungabhadra Dam seismic Observatory Office of Executive Engineer Karnataka Neeravani Nigam Limited(KNNI). No. 1, Tungabhadra Reservoir Division Munirabad-583233, Karnataka Koppala District	Contact Person:- Vijay kumar(Manager) 9060462333	4)
71.	Karnataka	Kodagu	Harangi Dam Seismic Observatory The Assistant Executive Engineer No. 03, Quality Control Sub Division. Cauvery Neeravari Nigam Limited(CNNL). Harangi Dam Project,Hungunda Kushalnagar-571233 Kodagu District	Contact Person:-Kavi Prasad(AE) 9448422289	5)

72.	Karnataka	Uttara Kannada	Supa Dam Seismic Observatory The Executive Engineer(Civil), Supa, Karnataka Power Corporation Limited(KPCL) Ganeshgudi-581365 Uttara Kannada District	Contact Person:- Thejus(AE) 9141619831	6)
73.	Kerala	Thiruvananthapuram (TRVM)	Seismological Observatory, Meteorological Centre, India Meteorological Department, Observatory Hill, VikasBhavan, Thiruvananthapuram-695033	PH: 0471-2330025 Mr. Arun Kumar Mobile No. 8554932213	
74.	Kerala	Chottupara	Sh. S. Sunil Kumar (09744253201) Block No. 377, Seismological Observatory (KSEB), Chottupara (Post)-685 552 Idukki District. Kerala	Mr. Aloushy (EE, Retired), 8075570603	
75.	Kerala	KOCHI	Doppler Weather Radar India Meteorological Department Valummel Convent Rd, Palluruthy PO, Kochi, Kerala - 682006	Contact Official Sh AJ Mathew 09446344471	
76.	Lakshadweep	Minicoy (MNCY)	Seismological Observatory, RS/RW Observatory India Meteorological Department, Minicoy-602558, Lakshadweep	PH:04892-222238	
77.	Ladakh (UT)	Hanley (HNLY)	Seismological Observatory, Indian Institute of Astrophysics, Hanley Pincode-194101	Mr. SonamDorje Ph No: 09469224305 Mr. DorjeAngchuk PH:0419178895	1) iiap.res.in 2) angchuk@iiap.res.in

78.	Ladakh (UT)	Alchi (Leh) (LEH)	Seismological Observatory, Nimmo-bazgo Hydroelectric Power Plant (NHPC) Ltd., Lower Skara, Leho, Near Dam Site, Alchi, District Leh Ladakh-194 106, Union territory	Mr. Chayan Choudhry Ph No: 09434067468, 9797547467 Mr. Tsering Ph No: 08082806712 Prit Pal Singh Wilkh, Chief Engineer & Head, NBPS, Alchi- 9988116633,979348 059 C.K.Anand, Senior Manager (Civil), NBPS, Alchi- 9800048858, 9469336954	1) nbhepleh@gmail.com 2) ckanand nhpc@gmail.com
79.	Madhya Pradesh	Bhopal (BHPL)	Seismological Observatory, Meteorological Centre, India Meteorological Department, Arrera Hills, Jail Road, Bhopal-462 011	Sh. Ved Prakash Singh, Scientist "B" PH:09818780617 Mr. Wahid PH: 09039225514	1) seismobhopal@gmail.com
80.	Madhya Pradesh	Narmadanagar (NRDN)	Seismological Observatory, Indira Sagar Power Station, NHDC, Narmada Nagar, District Khandwa-450119	Praveen Kumar , Engineer(DAM Division)- Ph- 9755168021 Sanjay Kumar Varma - M: 9997081098 Shri Santosh Garve M: 0940745870 Pathak Ji PH: 9425952503	damdivisionisp @gmail.com
81.	Madhya Pradesh	Guna (GUNA)	Seismological Observatory, MausamKaryala, Meteorological office, near Lal Parade Ground. Guna- 473001	M.O Guna -07542- 252748, Mr. Anil Pal , S.A. PH:09575902351 Raghuvanshi Guna 9098309675	guna42559@gm ail.com
82.	Madhya Pradesh	Jabalpur	Beju John Jacob, Officer In Charge Meteorological Office Jabalpur Anand Nagar, Adhartal (in front of Pandey Gas Agency) Katni Road, Jabalpur- 482004.MP	Office incharge , Jecab- 9407851915	

83.	Madhya Pradesh	Indore	Waldia Old Creche (Sesimological Observatory) C/O Sh.Shailendra kumar jat (9827647773) Asst. Project Incharge (Infrastructure Development) , IIT Khandina Road, Simrol , Indore - 453552	Sh.Shailendra kumar jat (9827647773) Surender Thakur PH:8889776801	
84.	Madhya Pradesh	Gwalior	Sh. Chandra Kant Upadhay, Meterologist A , IMD Mausam Karyalaya R K Puri, Thaitpur, near Ramkrishna Ashram Gwalior 474011		
85.	Madhya Pradesh	Chhindwara	Mr. Amarjeet Singh, SA cum Officer-n-Charge, (Mob no. 07033380584) India Meteorological Department, Behind Court Campus, Near Stadium, Chhindwara, M.P.	Mr. Amarjeet Singh, SA cum Officer-n-Charge, (Mob no. 07033380584)	
86.	Maharashtra	Akola (AKL)	Seismological Observatory, India Meteorological Department, C/o A.P. Raghuvansi House, Piple Nagar, Behind Govt. Milk Scheme, Nagpur Road, Akola-444101	Office LL.: 0724-2450682 M.O. Office(LL) : 0724-2442334 Mr. Deepak Kumar 7409848772 8077060911 Jabnjal(MTS)-mobile no. 9284849006(retired) , 9850069927 Kaluram Meena Ph: 8741007412 Kartik PH: 9767714932	

87.	Maharashtra	Karad (KAD)	Seismological Observatory, I.T. I compound , Vidya Nagar, Karad-415124, Maharashtra	Office LL. : 02164-271084, Mr. SanjayThorat PH:09922211567	1) sanjay.thorat72@gmail.com
88.	Maharashtra	Latur (LATR)	Seismological Observatory, India Meteorological Department, D-13 & D-14, Govt. Colony, Barsi Road, Latur-413531, Maharashtra	Office LL.: 02382-221490, Mr. A.G. Bordekar 9422790214 Mr. D.G. Maske- 9822244458, 8329888143	1) ssharhara@gmail.com 2) seismolatur@gmail.com
89.	Maharashtra	Mumbai (BOM)	Seismological Observatory, Regional Meteorological Center, India Meteorological Department, Near R. C. church, Colaba(Post), Mumbai-400005	PH:022-22188504, Mr. Kiran PH:08879991607	1) knarkhede@gmail.com 2) seismomumbai@gmail.com
90.	Maharashtra	Nagpur (NGP)	Seismological Observatory, Geological Survey Of India, Seminary Hills, Nagpur-400006	Dr. Gedam Ph. 7588741696	
91.	Maharashtra	Pune (PUNE)	Seismological Observatory, Surface Instruments Division, Climate Research and Services, India Meteorological Department, Shivaji Nagar(P.O), Pune-411 005	PH. 020-25535211 Mr. Apte (Met-A)- 08087207622 Mr Dharpal- 09175085081 JP Sable (Met- A) Mobile no. 9922066231	
92.	Maharashtra	Karad	Borehole Geophysics Research Laboratory, Ministry Of Earth Science, Karad- Vita Road, Hazarmachi, Karad - 415105 , satara District, Maharashtra - 415105		
93.	Maharashtra	Palghar	Vedanta Institute of Medical Science, Village: Saswand. Post: Dhundalwadi, Taluka: Dahanu, Dist: Palghar, Maharashtra – 401606		

94.	Maharashtra	Nashik	Superintending Research Institute (MERI), Dindori Road, beside CDO MERI Colony, Nashik, Maharashtra 422004.	0253-2530628, 2530532 Email: dgdthrs.nashikwrdr@maharashtra.gov.in, patodgmeri@gmail.com website: www.merinashik.org.	
95.	Maharashtra	Solapur	The Officer Incharge. Meteorological office Opp. Tana bana showroom near Govt polytechnic Akkalkot. Road Solapur-413006. Maharashtra.		
96.	Maharashtra	Hingoli	Dr. Harkal, Principal, New Model Degree College, Mauje Santuk Pimpri, Digras Phata, Anundha-Hingoli Road, Hingoli-431 513.		
97.	Manipur	Imphal (IMP)	Mr. S.Hamen Singh, Officer In-Charge, Seismological Observatory, Chingmeirong, PO Lamlong, Imphal (Manipur)-795010.	Ph:-9856252895 (S.Hamen Sing)	
98.	Meghalaya	Shillong (SHL)	Seismological Observatory, Central Seismological Observatory, India Meteorological Department, Meath Home, opp. Petrol Pump(3rd Mile), upper Shillong-793 005, Meghalaya	9863022211 9612851721 Mr. Abhi- 7982342261 Mr. Marius Wankhar- 8413069401, 8787617114 Coni Madam- 8974570309 B.Pandey - 7005027362 Wankhar – 8787617114	1) connect.to.bikash@gmail.com 2) imdshillong@gmail.com

99.	Meghalaya	Tura (TURA)	D.C. Sarkar, Officer In-Charge , Seismological Observatory, Ring Rey Forest Tila, West Garo Hills, Tura-794001. Meghalaya	Ph:- 8828417760(Ganesh Patel)	
100.	Mizoram	Aizwal (AZL)	Officer-In-Charge, Seismological Observatory, Department of Geology & Mineral Resources, Aizwal-796009, Mizoram	Ph :- 0389-2332154(O) Ph :- 9436150941 Jt. Director- 9436143001 Dr. Chamliana- 9436360380	
101.	Mizoram	Saiha (SAIH)	Seismological Observatory, O/o Dy. Commissioner, Saiha, Mizoram -796901 (Seismological Observatory located at Residential complex of Dy Commissioner)	Ph:- 9774478529(Mr. Zuia DDMO) Chandan(care taker)- 8732080718	
102.	Mizoram	Champai	Mrs. Maria CT Zuali , Deputy Commissioner, Office of the Deputy Commissioner, Keifangtlang Champhai District, Mizoram-796321	Phone No.9436142960. kind Attn: Sh. Vanlalnghaka Additional Deputy Commissioner 03831-234402	
103.	Nagaland	Kohima (KOHI)	Shri Ruyosuyi Vadeo, Section O/C, Additional Secretary, Nagaland Legislative Assembly Complex, Kohima-797001. (Seismological Observatory located in Legislative Assembly Complex)	Shankar - 9436609365 Asa Lie (Assembly Nagaland)- 9436010235	
104.	Nagaland	Mokokchung (MOKO)	DDMO, O/o Dy. Commissioner, Mokokchung (Nagaland) - 798601. (Seismological Observatory located at Residential complex of Dy Commissioner)	Ph :- 0369-222631(O) Vitose (caretaker): 9402795411, 8731889309	

105.	Odisha	Bhubaneswar (BWNR)	Seismological Observatory, Meteorological Center, India Meteorological Department, Biju Patnaik International Airport, Bhubaneswar-751020	Mr. Sudhakar Malik, Met A Contact No. 9437005203 BC Behra : - 8249467495 Mr. Bharat Behra (9437982467)	1) bharatchandra_b@yahoo.in 2) b.bharatchandra66@gmail.com 3) imdbbsr@nic.in 4) mebbsrisaws@gmail.com
106.	Odisha	Jharsuguda (JHSG)	Seismological Observatory, Panchayat Samiti Office, (BDO Office), Tehsil:- Lakhanput, District Jarsuguda, Pincode-768219	Mr. Gobinda Dandsena, BDO PH: 0943711226, 08018389221 Mr. Saroj Kumar DAS, computer Programmer PH:09777310072	
107.	Odisha	Rayagada (RAGD)	Seismological Observatory, Panchayat Samiti Office, (BDO Office), Tehsil:- Kolnara, District Rayagada, Pincode-765017	Mrs. Shanti Prabha Pradhan, BDO PH: 09437488309 Mr. Prabhakar Patnaik PH: 09438072002 Mr. Shubash Dass, Section Officer - 9437748003	
108.	Punjab	Thein Dam (THN)	Seismological Observatory, Village Uparlathala Dharkala (P.O) Thein Dham-145021, Distt. Pathankot (Punjab)	PH. 01874-320303 Bhagwan Chand , 09419247173	bchand464@gmail.com
109.	Rajasthan	Ajmer (AJMR)	Seismological Observatory, India Meteorological Department, Chandravardai Nagar, Taragarh Road, opp. Ramganj Thane, Ajmer-305003	PH: 0145-2690013/2341, Prmod Kumar Sharma 09413743027	1) Pramodsharma0102@gmail.com

110.	Rajasthan	Jaisalmer (JASL)	Seismological Observatory, Weather Radar Station /pilot Ballon Observatory, Jaisalmer, Distt. Jaisalmer, Rajasthan. PIN-345001	PH:02992-252403 Mr. Mohan Lal, R/M PH: 09783835335 Pushkar panwar Ph: 9643302627 T R Panwar PH: 9461021161	
111.	Rajasthan	Bikaner (BKNR)	Seismological Observatory, India Meteorological Department, Sector-2, Murlidhar Vyas Coloney, Bikaner (Rajasthan)-334001	PH: 0151-2210044 (O) Met I/C Sh. Sandeep Thanvi PH:09414217338 Mr. Amit Verma, S.A. PH:09799089466	
112.	Rajasthan	Sriganganagar (SRGN)	Seismological Observatory, MausamVibhag, Ashoknagar A, Near MeeraChowk, Sriganganagar, Rajasthan-335001	M L Ranwa Ph: 9829056455	
113.	Rajasthan	Udaipur (UDPR)	Seismological Observatory, Dept. of Geology, Faculty Of Earth Sciences, Mohanlal Sukhandia University, 51 Saraswati Marg, Udaipur-313001	Prof. Harish Ph: 9414815854 Mr.Rakesh Jain Ph: 9414165501 Ronak Jain- Ph. 9468713726	
114.	Rajasthan	Jodhpur	Meteorological Office-RS/RW, India Meteorological Department, Near Air Force Station, Old Pali Road, Ratanada, Jodhpur-342011 Jodhpur, Rajasthan,	Mr HK Sharma(Met A.) PH: 9414411257	
115.	Rajasthan	Jaipur	Director-In-Charge, Met Centre, Mausam Bhavan, India Meteorological Department, Prabhu Dayal Marg, Opp. IHMR Budhsinghpura, Sanganer, Jaipur, Rajasthan -302029.		

116.	Rajasthan	Churu	Pilot cum Micro-met Observatory. Behind Collectrate Churu (Raj.) -33 1001 Churu. Rajasthan	Sh. Chander Prakash, Met-A, mob: 08209938398 Ravindra Singh Sihag mob: 9461327114.	
117.	Rajasthan	Barmer	Pilot Balloon Observatory India Met Deptt. Mahaveer Nagar Barmer-344001 (Rajasthan)	Sh. Keshav Kumar, Met-A 09829058930.	
118.	Sikkim	Gangtok (TADO)	Officer In-charge, Seismological Observatory, Daragaon, P.O. Tadong, District-East Sikkim, Gangtok (Sikkim) - 737102.	Ph:- 7003104874(Abhishek Kayal (SA))	
119.	Tamil Nadu	Chennai (MDRS)	Seismological Observatory, Pilot Balloon Office , India Meteorological Department , Meenambakkam Chennai-600 006	PH:044-22311097 Mr. Kamal SA Mobile No. 9443675297	
120.	Tamil Nadu	Kodaikanal (KOD)	Officer-In-Charge (Seismic Unit), Seismological Observatory, Met Unit, Indian Institute of Astrophysics, Observatory, Kodaikanal-624103, Dindigul District, Tamilnadu	PH: 04542-243885 Shri Neeraj + Mobile No. 919024269653 Mr Pandey Mobile no. 9442937735	

121.	Tamil Nadu	Salem (SALM)	Seismological Observatory, Officer-In-Charge, Met Observatory, India Meteorological Department, Room No. 9, Ground Floor, Collectorate Compound, Salem District, Tamil Nadu-636001	PH. 0427-2450809 Mr. R. Marimuthu 09698240605 Mr. Navin Meena SA Mobile No. 07568022509 Mobile No. 09649272509 Mr. Elango Mobile No. 9790751803 Mobile No. 8825836179 Suganeshwaran (MTS) 9952490767	1) rmindia65@gmail.com 2) metobsysalem@gmail.com
122.	Telangana	Hyderabad (HYB)	Seismological Observatory, NGRI, Uppal Road, Hyderabad-500 007	PH. 040-23434664	
123.	Tripura	Agartala (AGT)	Seismological Observatory, C/o Mr. Phukan, Met-II , Meteorological Centre, Agartala, Agartala Airport, Tripura West - 799 009 Phukan Met-II-	Ph:-8974394579 (Phukan Met-II)	
124.	Tripura	Belonia (BELO)	Shri Jayanta Nazir, Office of SDM, Belonia , South Tripura - 799155. (Seismological Observatory located opposite circuit house)	Ph :- 03823- 222231(O) Ph:- 7005753795(SDM Belonia)	1) arup74@gmail.com 2) sdmbln11@gmail.com
125.	Uttar Pradesh	Allahabad (ALBI)	Seismological Observatory, India Meteorological Department, Garha Road, Ghoorpur, Allahabad- 211003 (UP)	PH: 05333-283626, 09793470739	1) pboalb@gmail.com
126.	Uttar Pradesh	Asaura (ASOR)	Seismological Observatory, Gram Panchayat, Village – Asaura, Tehsil- HapurDistt. – Hapur (U.P.), Pincode- 245101	Mr. Anand PH:09012776306 Mr. Nitin PH:09897768662	

127.	Uttar Pradesh	Bahraich (BRCH)	Seismological Observatory, India Meteorological Department, House No. 390(A) Raipur Raja Colony, Jail Road, Baharaich (U.P)- 271801	Mr Anil Kumar , SA 8707715248 Rajendra Prasad Kashyap MTS- 9984975978	1) baharaichseismo@gmail.com
128.	Uttar Pradesh	Banda (BNDA)	Seismological Observatory, Collectorate building, room no:1, (Old Khanij office room, behind old meeting hall), district H. Q. Banda (Uttar Pradesh) - 210001	Mr Shiv Shankar (generator operator) 9889333837 Sanjay Srivastava (Nazir)-8924914077 Pradeep Kumar (City Magistrate)- 9454415993 Sh. DharmendraKutar PH:09616860504 PH: 6387112992	
129.	Uttar Pradesh	Basti (HRYA/BSTI)	Seismological Observatory, Harraiya Tehsil, Block Development Officer, Harraiya (Post), District Basti, Pin code– 272 155, Uttar Pradesh	Mr Ram jag PH: 9628260659 Mr Dinesh PH: 9919772548 Ram Sajivan key holder PH: 9839424744 Sweta Varma (BDO) PH: 9454464521 Bajranj Bhan Choudhary (ADO) PH: 9559729770	
130.	Uttar Pradesh	Bisrakh (BISR)	Seismological Observatory, Block Development Officer, Village – Bisrakh, Distt. – GoutamBudh Nagar (U.P.), Pincode-201301	Mr. Pawan(Security Person) PH: 08800253248	
131.	Uttar Pradesh	Farrukhabad (FRKB)	Seismological Observatory, Ladies Jail, Tehsil FarukhabadSadar, Dist. Fatehgarh- 209625, U.P	Mayank Shrivastav PH: 9648309977	

132.	Uttar Pradesh	Gorakhpur (GKPR)	Seismological Observatory, Officer In charge, RSRW Observatory, India Meteorological Department, Deoria Road, Sinhariya, KunaraGhat, Gorakhpur -273008	Shri ShamberSharan, Met-A PH: 09451071554 Office: 05512273171 Sambu Saran Ph: 9451071554 Jai Prakash Gupta PH 9305349644 Narbda Singh PH: 9695626997	
133.	Uttar Pradesh	Jhansi (JHNI)	Seismological Observatory, India Meteorological Department, Bundelkhand University, Jhansi-284003 (U.P.)	Mr. Ambarish Shukla, S.A. PH:09415950852 Mr. S. Tiwari, S.A. PH: 09415646727	1) Metoffice.jhansi@gmail.com
134.	Uttar Pradesh	Lucknow (LKN)	Seismological Observatory, Meteorological Center, Chaudhary Charan Singh Airport, Amausi, Lucknow- 226009	Shri D.D. Arya, Met-A PH:08707649590 Shri Rambachan Singh, Met-B PH:09473541396 J.P. Gupta, SLE PH: 09453019406	
135.	Uttar Pradesh	Meerut (MERT)	Seismological Observatory, Chaudhary Charan Singh University Campus, Meerut-250004	M.O. Meerut PH:0121-2765676 (O) Sh. Brijmohan PH: 09310355273, Sh. Ravi Shankar 7052668560 Sanjeev Kumar, MTS PH:08126858316	
136.	Uttar Pradesh	Thakurdwara (TKD)	Seismological Observatory, Principal, JawaharNavodayaVidyalaya, Kalewala, Thakurdwara, Moradabad District, Pincode:244 601 UP	Mr. Naresh Ph: 9528969519 Mrs. (Principal) PH: 9690456655	
137.	Uttar Pradesh	Unchagaon (UNCH)	Seismological Observatory, Block Development Officer, Village – Unchagaon, District – Bulandshahar (U.P.) Pin-202398	Mr. Satpal PH: 09411805068	

138.	Uttar Pradesh	Varanasi (VAR)	Seismological Observatory, India Meteorological Department, Department of Geophysics, Banaras Hindu University (B.H.U), Varanasi-221005	PH. 0542-2369358 Mr Kailash PH: 9453945621 Shri T. B. Singh, Met-A PH:09451929949	
139.	Uttar Pradesh	Agra (AGRA)	Seismological Observatory, India Meteorological Department, Hydrogen Factory, BunduKatra (near army base workshop 509) , Gwalior Road, Agra-282001	Mr. Goel (In-Charge) PH:08949072595 Mr.Bapu Singh (Met-A) PH:09259694764	
140.	Uttarakhand	Dehradun (DDI)	Seismological Observatory, Met Centre, India Meteorological Department, G & R.B Campus 17, East Canal Road, Karanpur, Dehradun-248001, Uttaranchal	PH: 0135-2654269/2714143 Abhinav Jha - 7505751813 Ashutosh Kala- 8979916709	
141.	Uttarakhand	Joshimath (JOSI)	Seismological Observatory, Sub Divisional Magistrate, Compound Joshimath, Distt. – Chamoli, (Uttarakhand), Pincode-246443	Mr. Hiramani Joshi PH: 09410524228 Satish PH: 9410771194	SDMJOSHIMATH2015@gmail.com
142.	Uttarakhand	Lohaghat (LGTI)	Seismological Observatory, India Meteorological Department, Bageecha Ward Near Hanuman Mandir, Lohaghat-262524, Distt. Champavat, Uttaranchal	PH:05965-234872 AK Singh,OIC 9399198064	
143.	Uttarakhand	Pithoragarh (PTH)	Seismological Observatory, GIC Road, Near Pandey Gaon Bazaar, Pithoragarh-262501,Uttarakhand	PH:05964-226800/110, 09412926826	1) monsoon18@gmail.com
144.	Uttarakhand	Uttarkashi (UTK)	Seismological Observatory, Disaster Management Office, DM office campus, Uttarkashi, Uttarkashi - 249193	Sh. Devendra Singh Patwal PH:09410350338 Sh. Ganesh Baduni PH:09897083613	

145.	Uttarakhand	Chaukhutia (CHAT)	Govt. Adarsh Inter College Chaukhutia Almora, P.O. Ganai District Almora, Uttarakhand -263656.	Mob Mr. Vinayak Tiwari 7409143761.	
146.	Uttarakhand	Munsiyari	VPO-Munsiyari, near nandha devi mandir, District - pithoragarh, Uttarakhand(state) Pin - 262501.		
147.	West Bengal	Coochbehar (COBR)	Seismological Observatory, Govt Engineering college, VILL- Harinchawra, Post- Ghughumari, Coochbehar, West Bengal-736170	PH:23304044 Fax:03582-233041 Dr. Probal Deb, Principal PH:09433304430 Shri Shyam Ghosh, Asth. Professor, (Cooch Behar Govt. Engineering College) Ph:9851572269	principalgec@gmail.com dibyendu1984@gmail.com gh13shyamal@gmail.com
148.	West Bengal	Kolkata (CAL)	Seismological Observatory, India Meteorological Department, Regional Meteorological Center, 4 Duel Avenue, Alipore, Kolkata-700027	PH:033-24498023, OI/C – D. Bandyopadhyay 9433056854 Dr G.K Das 9836213781	1) aormckol@gmail.com 2) Seismo.alipore@gmail.com
149.	West Bengal	Jalpaiguri (JPG)	Seismological Observatory, Flood Meteorological Office, SJDA Composite Complex Phase II, Near Gosala More, P.O. Denguajhar, Jalpaiguri, West Bengal-735121	PH. 03561-257034, 09474590987	1) duttamousumi@gmail.com 2) seismo.sl@gmail.com