

Request for Proposal
for
Selection of a Consulting Firm
for Impact Evaluation of
Centrally Sponsored Schemes (CSS)-
Soil Health Card (SHC)
&
Soil Health Management (SHM)

Government of India
Ministry of Agriculture & Farmers Welfare
Department of Agriculture, Cooperation & Farmers
Welfare

Key Dates

1	Start date for issue of RFP/Tender	29.07.2019
2	Last date & time of receipt of proposals	21.08.2019 / 1100 hrs
3	Date & Time of Pre-bid meeting	09.08.2019 / 1100 hrs.
4	Date of publication of record of minutes of pre-bid meeting	09.08.2019
5	Date & Time of opening of Technical bids	22.08.2019 / 1100 hrs.
6	Meeting of Consultancy Evaluation Committee (CEC)	To be intimated later
7	Opening of Financial bids	To be intimated later

Key Forms

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A	TECHNICAL PROPOSAL FORMS
Form Tech 1	Technical Proposal Submission Form
Form Tech 2	Consultants organization and experience
Form Tech 3	Comments/suggestions on the Terms of Reference
Form Tech 4	Approach, Methodology and Work Plan
Form Tech 5	Team Composition and Task assignment
Form Tech 6	Curriculum Vitae (CV) of Professional
Form Tech 7	Work Schedule
Form Tech 8	Information regarding any conflicting activities and declaration thereof
B	FINANCIAL PROPOSAL FORMS
Form Fin 1:	Financial Proposal Submission Form
Form Fin 2:	Summary of Costs

Government of India
Ministry of Agriculture & Farmers Welfare
Department of Agriculture, Cooperation & Farmers Welfare

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DISCLAIMER

The information contained in the Request for Proposal (RFP) document or subsequently provided to Applicants, whether verbally or in documentary or any other form by or on behalf of the Government of India, Ministry of Agriculture & Farmers Welfare, Department of Agriculture, Cooperation & Farmers Welfare, is provided to Applicants on the terms and conditions set out in the RFP and such other terms and conditions subject to which such information is provided.

The RFP is not an agreement and is neither an offer nor invitation by the Ministry of Agriculture & Farmers Welfare (herein after, MoA&FW) to the prospective Applicants or any other person.

The purpose of this RFP is to provide interested parties with information that may be useful to them in the formulation of their Proposals pursuant to this RFP.

Information provided in this RFP to the Applicants is on a wide range of matters, some of which depends upon the interpretation of law. The information given is not an exhaustive account of statutory requirements and should not be regarded as a complete or authoritative statement of law. The Authority accepts no responsibility for the accuracy or otherwise for any interpretation or opinion in the law expressed herein.

Mo A & FW also accepts no liability of any nature whether resulting from negligence or otherwise however caused arising from reliance of any applicant upon the statements contained in this RFP. MoA&FW may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumption contained in this RFP.

The issue of the RFP does not imply that MoA&FW is bound to select any Applicant or to appoint the Selected Applicant, as the case may be, for the Consultancy and MoA&FW reserves the right to reject all or any of the proposals without assigning any reasons whatsoever.

The Applicant shall bear all its costs associated with or relating to the preparation and submission of its Proposal including but not limited to preparation, copying, postage, delivery fees, expenses associated with any demonstrations or presentations which may be required by MoA&FW or any other costs incurred in connection with or relating to its Proposal. All such costs and expenses will remain with the Applicant and Mo A & FW shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by an Applicant in preparation or submission of the Proposal, regardless of the conduct or outcome of the selection Process.

Section - 1

Letter of Invitation

F. No. 10-11/2018-Fert Use
Ministry of Agriculture & Farmers Welfare
(Department of Agriculture, Cooperation & Farmers Welfare)
INM Division

Krishi Bhawan, New Delhi
Dated.....

To,
All interested and eligible Firms

Subject: Selection of a Consulting Firm for Impact Evaluation of Centrally Sponsored Schemes (CSS) on Soil Health Card (SHC) and Soil Health Management (SHM).

Dear Sir/Madam,

For and on behalf of the President of India, sealed bids are invited in two bid system for **Selection of an Agency for Impact Evaluation of Centrally Sponsored Schemes (CSS) -Soil Health Card (SHC) and Soil Health Management (SHM)** in the Department of Agriculture, Cooperation and Farmers Welfare, Ministry of Agriculture and Farmers Welfare, Krishi Bhawan, New Delhi.

2. The Ministry shall select a Firm as per the procedure described in the Request For Proposal (RFP) which may be down loaded from <http://eprocure.gov.in/> and on this Ministry's websites <http://www.agricoop.nic.in> and <http://www.soilhealth.dac.gov.in>. You may submit your proposal online at <http://eprocure.gov.in/> by **1100 hours on 21.08.2019** Hard copies of the uploaded proposals may also be sent in a sealed cover, addressed to Under Secretary (INM), Department of Agriculture, Cooperation and Farmers Welfare, Room No. 479-B, Krishi Bhawan, New Delhi-110001 on or before **1100 hours on 21.08.2019** as per the attached RFP document.

3. The detailed instructions for bidders may be read before uploading the proposal online. For further information on the Scheme, please visit our websites <http://www.agricoop.nic.in> and <http://www.soilhealth.dac.gov.in>.

4. It is mandatory for the Agencies to submit proposal online as well as hard copies within the stipulated time failing which the proposals are liable to be rejected. Ministry also reserves the right to accept or reject any or all the offers without assigning any reasons thereof.

Yours faithfully,

(Anil Jain)
Under Secretary (INM)

Section - 2

Instructions to Consultant

Instructions to Consultants

1. Definitions

- a. Client or Employer or Mo A & FW means the Ministry of Agriculture & Farmers Welfare who has invited bids for consultancy services with whom the selected Consultant signs the Contract for the Services and to whom the selected consultant shall provide services as per the Terms and Conditions and Terms of Reference of the contract.
- b. “Consultant” means any entity or person or associations of persons who have been shortlisted to submit their proposals that may provide the Services to the Employer under the Contract.
- c. “Contract” means the Contract signed by the Parties for this assignment.
- d. “Project specific information” means such part of the Instructions to Consultants used to reflect specific project and assignment conditions.
- e. “Day” means calendar day.
- f. “Government” means the Government of India.
- g. “Instructions to Consultants” means the document which provides short listed Consultants with all information needed to prepare their proposals.
- h. LOI means the Letter of Invitation being sent by Employer to the short listed consultants.
- i. “Personnel” means professionals and support staff provided by the Consultant or by any Sub-Consultant and assigned to perform the Services or any part thereof.
- j. “Proposal” means the Technical Proposal and the Financial Proposal.
- k. “RFP” means the Request for Proposal prepared by the Employer for the selection of Consultants.
- l. “Assignment / job” means the work to be performed by the Consultant pursuant to the Contract.
- m. “Terms of Reference” (TOR) means the document included in the RFP as Section 3 which explains the objectives, scope of work, activities, tasks to be performed, respective responsibilities of the Employer and the Consultant, and expected results and deliverables of the Assignment/job.

2. Introduction

- 2.1** Ministry of Agriculture & Farmers Welfare wishes to engage services of a Consultant for Impact Evaluation of Centrally Sponsored Schemes (CSS) – Soil Health Card (SHC) and Soil Health Management (SHM) being implemented from the year 2014-15 onwards.
- 2.2** The agency is broadly expected to do:
- Evaluation of the scheme on certain parameters.
 - To suggest a way forward to the Ministry to improve and enhance the reach and performance of the scheme.
- 2.3** The Consultants are required to submit their proposals online at <http://eprocure.gov.in> and on this Ministry's website <http://www.agricoop.nic.in> and <http://www.soilhealth.dac.gov.in> by **1100 hours on 21.08.2019** Hard copies of the uploaded proposals may also be sent in a sealed cover, addressed to Deputy Secretary (INM), Department of Agriculture, Cooperation and Farmers Welfare, Room No. 233, Krishi Bhawan, New Delhi-110001 on or before **1100 hours on 21.08.2019**
- 2.4** The Proposal will be the basis for negotiations of the Contract and ultimately for the signing of Contract with the selected Consultant.
- 2.5** Consultants should familiarize themselves with local conditions and take them into account in preparing their Proposals.
- 2.6** Consultants shall bear all costs associated with the preparation and submission of their proposals and contract negotiation.
- 2.7** The client is not bound to accept any proposal and reserves the right to annul the selection process at any time prior to award of the Contract without thereby incurring any liability to the Consultants.

3. Minimum Eligibility Criteria for Technical Bid

The Agency should be a reputed agency/organization/institution which fulfills the following conditions :-

- (i) experience of successfully completing at least 3 evaluation studies of Government schemes in last 5 years ending 31.03.2017.
- (ii) minimum annual turnover of Rs.10 crore during the last 3 financial years (However, the Govt. Research Institutions are exempted from this eligibility condition, and

- (iii) Having qualified and experienced key personnel (doctorate with post doctoral experience of minimum five years in agriculture/soil science and/or allied subjects/statistics/economics).

4. Clarification and Amendment of RFP Document

- 4.1 Consultants may request, if any clarification is required on any clause/condition of the RFP, the same may be forwarded within the prescribed time period to the Employers' representative by **08.08.2019** at fertusecell@gmail.com

The Client will respond in writing or by e-mail and post all such clarifications on the website <http://www.agricoop.nic.in> and <http://www.soilhealth.dac.gov.in>.

- 4.2 At any time before the submission of proposals, the Client may amend the RFP by issuing an addendum in writing or by announcing it through its website. The addendum shall be binding on all Consultants. Consultants shall acknowledge receipt of all such amendments. To give the Consultant reasonable time in which to take an amendment into account in their proposals, the Client may, if the amendment is substantial, extend the deadline for the submission of proposal.
- 4.3 Pre-bid meeting may be convened tentatively on **09.08.2019 at 1100 hrs.** to clarify any concerns, bidders may have, with the solicitation of documents, scope of work and other details of the requirement of RFP. This meeting will be formal and the results of the pre-bid meeting will be made available in writing to all prospective bidders.

5. Conflict of Interest

- 5.1 The Employer requires that Consultants provide professional, objective and impartial advice and at all times hold the Employer's interests paramount, strictly avoid conflicts with other assignment/jobs or their own corporate interest and act without any consideration for future work.
- 5.2 Without limitation on the generality of the foregoing, Consultants and any of their affiliates, shall be considered to have a conflict of interest and shall not be recruited under any of the circumstances set forth below:

Conflicting Activities: A consultant or any its affiliates selected to provide consulting assignment/job for this project shall be disqualified from subsequent downstream supply of goods or works or services resulting from or directly related to this project, if the consultancy or any its affiliates is found indulged in any such activities which may be termed as the conflicting activities by the employer.

Conflicting Assignment/job: A Consultant (including its affiliates) shall not be hired for any assignment/job that, by nature, may be in conflict with another

assignment/job of the Consultant to be executed for the same or for another Employer.

Conflicting Relationships: A Consultant that has a business or family relationship with a member of the Employer's staff who is directly or indirectly involved in any part of the project shall not be awarded the Contract, unless the conflict stemming from this relationship has been resolved in a manner acceptable to the Employer throughout the selection process and the execution of the Contract.

- 5.3** Consultants have an obligation to disclose any situation of actual or potential conflict that impacts their capacity to serve the best interest of their Employer, or that may reasonably be perceived as having this effect. Any such disclosure shall be made as per the forms of technical proposal provided herewith. If the Consultant fails to disclose said situations and if the Employer comes to know about any such situation at any time, it may lead to the disqualification of the Consultant during bidding process or the termination of its contract during execution of the assignment.

6. Unfair Advantage

If a shortlisted Consultant could derive a competitive advantage from having provided consultancy assignment/job related to the assignment /job in question and which is not defined as conflict of interest as per para above, the Employer shall make available to all short-listed Consultants together with the RFP all information that would in the respect give such Consultant any competitive advantage over competing Consultants.

7 Proposal

Short-listed Consultants shall submit only one proposal for this project. If a Consultant submits or participates in more than one proposal, such proposals shall be disqualified.

8. Proposal Validity

Consultants' proposals must remain valid for 90 days after the submission date. During this period, Consultants shall maintain the availability of professional staff nominated in the proposal and also the financial proposal unchanged. The Client will make best effort to complete negotiations within this period. Should the need arise; however, the Client may request Consultants to extend the validity period of their proposals. Consultants who agree to such extension shall confirm that they maintain the availability of the Professional staff nominated in the Proposal and their financial proposal during the extended period. Consultants who do not agree have the right to refuse to extend the validity of their Proposals.

Under such circumstance, the Employer shall not consider such Proposal for evaluation.

9. Preparation of Proposal

- 9.1** The proposal as well as all related correspondence exchanged by the Consultants and the Employer shall be written in English language, unless specified otherwise.
- 9.2** In preparing their Proposal, Consultants are expected to examine in detail the documents comprising the RFP. Material deficiencies in providing the information requested may result in rejection of a Proposal.
- 9.3** While preparing the Technical Proposal, Consultants must give particular attention to estimated number of Professional staff months for the Assignment/job as shown in the Section 3 of the RFP.
- 9.4** Depending on the nature of the assignment/job, Consultants are required to submit a Technical Proposal (TP) in forms provided in Section 4.

Submission of the wrong type of Technical proposal will result in the Proposal being deemed non-responsive. The Technical Proposal shall provide the information indicative in the following para from (a) to (h) using the attached Forms in Section 4.

- a) Form TECH-1 in Section – 4 is a sample letter of technical proposal which is to be submitted along with the technical proposal.
- b) A brief description of the consultant's organization will be provided in Form TECH-2. In the same form, the Consultant will provide details of experience of assignments which are similar to the proposed assignment/job as per the TOR. For assignment/job, the outline should indicate the names of Professional staff who participated, nature and duration of the assignment/job, contract amount, and consultant's involvement. Information should be provided only for those assignment/jobs for which the Consultant was legally contracted by an Employer as a corporation or as one of the major firm/entity within a joint venture. Assignment/jobs completed by individual professional staff working privately or through other consulting consultancy cannot be claimed as the experience of the Consultant, or that if the Consultant's associates, but can be claimed by the Professional staff themselves in their CVs. Consultants should substantiate the claimed experience along with the proposal and must submit letter of award/ copy of contract for all the assignments mentioned in the proposal.
- c) Comments and suggestions on the Terms of Reference including workable suggestions that could improve the quality /effectiveness of the assignment/job/ if any are to be provided in Form TECH 3 of Section 4.

- d) A description of the approach, methodology and work plan for performing the assignment/job covering the following: technical approach and methodology, work plan, project organization and availability of experts, and transfer of knowledge/training. Guidance on the content of this section of the Technical Proposals is provided under Form TECH -4 of Section 4. The work plan should be consistent with the Work Schedule (Form TECH-7 of Section 4) which will be shown in the form of a Gantt chart the timing for each activity.
- e) The list of the proposed Professional staff team by area of expertise, the position that would be assigned to each staff team member and their tasks to be provided in Form TECH-5 of Section 4.
- f) CVs of the Professional staff as mentioned in para 8.4(d) above signed by the staff themselves or by the authorized representative of the Professional Staff (Form TECH-6 of Section 4).
- g) Estimates of work schedule should be given in Form TECH-7 of Section 4.
- h) Information relating to “conflict of interest” should be furnished in Form TECH-8 of Section 4.

The Technical Proposal shall not include any financial information. A Technical Proposal containing financial information shall be declared as non-responsive.

Financial Proposals: The Financial Proposal shall be prepared using the prescribed Forms in Section 5. It shall list all costs associated with the assignment/job, including (a) remuneration for staff and (b) reimbursable expenses such as travel cost, applicable taxes etc. The financial proposal shall be rejected summarily, if found not in the prescribed forms.

10. Taxes – The Consultant shall fully familiarize themselves about the applicable domestic duties and taxes on amounts payable by the Employer under the Contract. All such duties and taxes must be included by the consultant in the financial proposal.

11. Currency
Consultant shall express the price of their assignment/job in Indian Rupees (INR) only.

12. Earnest Money Deposit (EMD) and Performance Guarantee

12.1 Earnest Money Deposit

- i) An earnest money of Rs. 2,00,000 (Rupees two lacs only) in the shape of bank draft /demand draft in favour of PAO (Sectt.I), Department of

Agriculture, Cooperation & Farmers Welfare payable at New Delhi in the technical bid.

- ii) Proposals not accompanied by EMD shall be declared as non-responsive.
- iii) No interest shall be payable by the Employer for the sum deposited as EMD.
- iv) The EMD of the unsuccessful bidders would be returned back within one month of signing of the contract.

12.2 Forfeiture of EMD

The EMD shall be forfeited by the Employer in the following events:

- i) If the proposal is withdrawn during the validity period or any extension agreed by the Consultant thereof.
- ii) If the proposal is varied or modified in a manner not applicable to the Employer after opening of Proposal during the validity period or any extension thereof.
- iii) If the consultant tries to influence the evaluation process.

13. Performance Guarantee

The selected consultant shall be required to furnish a Performance bank Guarantee equivalent to 10% of the contract value rounded off to the nearest thousand Indian Rupees in the form of an unconditional and irrevocable bank guarantee from a scheduled commercial bank in India in favour of PAO (Sectt.I), Department of Agriculture, Cooperation & Farmers Welfare payable at New Delhi for the period of contract with 60 days claim period beyond the completion of all contractual obligations. The bank guarantee must be submitted after award of contract but before signing of the consultancy contract. The successful bidder has to renew the bank guarantee on same terms and conditions for the period up to contract including extension period, if any. Performance Guarantee would be returned only after successful completion of tasks assigned to them and only after adjusting/recovering any dues recoverable/payable from/by the Consultant on any account under the contract. On submission of performance guarantee and after signing of the contract, EMD would be returned.

14. Submission, Receipt and opening of Proposal

- a. The original proposal, both Technical and Financial shall contain no interlineations or overwriting. Submission letters for both Technical and Financial Proposals should be in the format of TECH-1 of Section 4, and FIN-1 of Section 5 respectively.

- b. An authorized representative of the Consultants shall initial all pages of the original Technical and Financial Proposals. The signed Technical and Financial Proposals shall be marked "ORIGINAL".
- c. The original and three copies of the Technical Proposal shall be placed in a sealed envelope clearly marked "TECHNICAL PROPOSAL" for impact evaluation of centrally sponsored scheme-Soil Health Card. and Soil Health Management Similarly the original Financial Proposal shall be placed in a separate sealed envelope clearly marked "FINANCIAL PROPOSAL" followed by the name of the project.
- d. The envelopes containing the Technical proposals, Financial Proposals and EMD shall be placed into an outer envelope and sealed. This outer envelope shall bear the submission address, and reference number clearly marked "DO NOT OPEN BEFORE TIME as is indicated in above paras.
- e. The Client shall not be responsible for misplacement, losing or premature opening if the outer envelope is not sealed and/or marked as stipulated. This shall lead to rejection of the Proposal.
- f. If the Financial Proposal is not submitted in a sealed envelope duly marked as indicated above, this will constitute grounds for declaring the Proposal non-responsive.
- g. The proposals must be submitted in person to the addressee indicated in the RFP and received by the Client not later than the time and the date indicated or any extension to this date.
- h. Any proposal received by the Employer after the deadline for the submission shall be returned unopened. Technical Proposals will be opened on the date and time indicated in the RFP and in the presence of the representatives of the Consultants who wish to attend.

15. Bid Evaluation criteria and selection procedure

The evaluation of the submitted proposals shall be carried out in two stages, i.e. Technical and Financial.

15.1 Evaluation of Technical Proposal

- a. The technical evaluation of the proposals shall be undertaken by the Consultancy Evaluation Committee (CEC). The CEC shall evaluate the Technical Proposals by awarding marks for the following parameters :-
 - (i) Past experience including number of assignments handled by the firm similar to the area of assignment (25 marks)

- (ii) Methodology, work plan and understanding of TOR (50 marks)
 - (iii) Educational qualifications and experience of the key professionals (25 marks).
- b. Only applicants obtaining a total score of 70 (on a maximum of 100) or more on the basis of criteria for evaluation given in (a) above would be declared technically qualified.
- c. The short-listed Consultants will be invited to present their proposals before the Consultancy Evaluation Committee (CEC).
- d. A proposal shall be considered unsuitable and rejected at the stage of Technical Evaluation if it does not meet the minimum technical standard on the above aspects as may be decided by the CEC.
- e. After completing the technical evaluation, the Member Secretary of CEC shall notify those consultants whose proposals meet the minimum technical standards.

15.2 Evaluation of the Financial Proposal

(i) Financial proposals of only those consultants which are declared technically qualified shall be opened publicly, on the date and time specified in the Datasheet, in the presence of the consultants 'representatives who choose to attend. The name of the consultants, their technical score (if required), and their Financial Proposal shall be read aloud.

(ii) The CEC will correct any computation errors. When correcting computational errors, in case of discrepancy between a partial amount and the total amount, or between words and figures, the former will prevail. In addition to the above corrections the items described in the technical Proposals but not priced, shall be assumed to be included in the prices of other activities of items. In case an activity of line items is quantified in the Financial Proposal differently from technical proposal, no corrections will be allowed to the Financial Proposal.

15.3 Method of Selection:

In deciding the final selection of the consultant, the technical quality of the proposal will be given a weightage of 70% on the basis of criteria for evaluation. The price bids of only those consultants who qualify technically will be opened. The proposal with the lowest cost will be given a financial score of 100 and the other proposal given financial scores that are inversely proportional to their prices. The financial proposal shall be allocated a weightage of 30%. For working out the combined score, the employer will use the following formula:

Total points: $(0.7 \times T(s)) + (0.3 \times 100 \times \text{LEC/EC})$, where T(s) stands for technical score, EC stands for Evaluation Cost of the Financial Proposal, LEC stands for Lowest Evaluated Cost of the Financial Proposal.

The proposals will be ranked in terms of total points scored. The proposal with the highest total points (H-1) will be considered for award of contract and will be called for negotiations, if required.

Example: if in response to this RFP, three proposals, A, B & C were received and the Consultancy Evaluation Committee awarded them 75, 80 and 90 marks respectively, all the three proposals would be technically suitable. Further, if the quoted price of proposals A, B & C were Rs.120, 100 & 110 respectively, then the following points for financial proposals may be given:

A: $100 \times 100 / 120 = 83$ points
B: $100 / 100 = 100$ points
A: $100 / 110 = 91$ points

In the combined evaluation, the process would be as follows:

Proposal A: $75 \times 0.7 + 83 \times 0.3 = 77.4$
Proposal B: $80 \times 0.7 + 100 \times 0.3 = 86$
Proposal C: $90 \times 0.7 + 91 \times 0.3 = 90.3$

Proposal C would be considered the H1 and would be recommended for negotiations, if considered necessary for approval.

15.4. The final award shall be subject to the discussion on the Terms of Reference methodology, staffing, inputs of the CEC and various other terms & conditions of contact as stated in the Common Agreement Format of the Department given in the Appendix. The discussion, however, shall not substantially alter the original TOR and the final TOR shall form part of the contract.

15.5. The selected Agency will not be allowed to substitute core staff without the consent of the CEC. If it is established that the core staff were offered in the proposal without confirming their availability, the consultant will be disqualified and the process will be continued with the remaining proposals. If the process, for whatever reasons, failed to result in an acceptance contract with the selected Agency, the CEC shall terminate discussion with that Agency and may make the selection from amongst the remaining proposals.

15.6. From the time the proposals are opened to the time the contract is awarded, the consultants should not contact the Client on any matter related to its Technical and/or Financial Proposal. Any effort by Consultants to influence the Client in the examination, evaluation, ranking of Proposals, and recommendation for award of contract may result in the rejection of the consultants' proposal.

15.7. The CEC may cancel the bid and reject all proposals without assigning any reasons at any stage of the tender process.

16. Facilities to be provided:

The State Department of Agriculture would use its good offices to assist the Agency in obtaining requisite information from the offices concerned of the State.

17 Negotiations

Negotiations, if considered necessary, shall be held only with the consultant who shall be placed as H- 1 bidder after combined evaluation of the Technical and Financial Proposal. Under no circumstance, the financial negotiation shall result into an increase in the price originally quoted by the consultant. Date and Time for negotiation shall be communicated to the H-1 consultant. Representatives conducting negotiations on behalf of the consultant must have the written authority to negotiate and conclude the contract.

18. Award of Contract

After completing negotiations the Employer shall issue a Letter of Intent to the selected Consultant and promptly notify all other consultants who have submitted proposals about the decision taken.

The consultant will sign the contract after fulfilling all the formalities/pre-conditions (contract to be signed after the selection of consultant), within 15 days of issuance of the letter of intent.

The Consultant is expected to commence the assignment/ job on the date of signing the contract .

19. Confidentiality

Information relating to evaluation of proposals and recommendation concerning awards shall not be disclosed to the consultants who submitted the proposals or to other persons not officially concerned with the process, until the publication of the award of Contract. The undue use by any Consultant of any information related to the process may result in the rejection of its proposal and may be subject to the provisions of the Employer's antifraud and corruption policy.

20. Payment Terms The terms of payment would be linked to the deliverables of the project, and are specified in the other terms and conditions (Section 6).

21 Period of Engagement The Agency will be engaged for three months period with effect from signing of MOU.

If, the Agency does not fulfill the terms and conditions of tender, or, there is delay in submission of reports, or, there is lack of quality in work, no extension will be given to the Agency to conduct evaluation.

22. Penalty Clause-

If the agency/organization/institutions is not able to complete the evaluation in time and/ or is unable to furnish the reports in time the agency would be liable to be penalized as follows:

For delay : 1% of the fee (excluding taxes) per week or part of it subject to maximum of 10% of contract value.

Section -3

Terms of Reference

Terms of Reference

Background:

Scheme objectives:

- (i) To issue Soil Health Cards every 2 years, to all farmers of the country, so as to provide a basis to address nutrient deficiencies in fertilization practices.
- (ii) To strengthen functioning of Soil Testing Laboratories (STLs) through capacity building, involvement of agriculture students and effective linkage with Indian Council of Agricultural Research (ICAR) / State Agricultural Universities (SAUs).
- (iii) To diagnose soil fertility related constraints with standardized procedures for sampling uniformly across states and analysis and design fertilizer recommendations.
- (iv) To develop and promote soil test based nutrient management for enhancing nutrient use efficiency.
- (v) To build capacities of district and state level staff and of farmers for promotion of nutrient management practices.
- (vi) To create additional soil/ fertilizer sample testing facilities through setting up/ strengthening of labs under SHM schemes.

Soil Health Card (SHC) Scheme

Soil Health Card Scheme was launched by Hon'ble PM on 19.02.2015 at Suratgarh, Rajasthan. The scheme has been introduced to assist State Governments to issue soil health cards to all the farmers in the country. Soil Health Card provides information to farmers on nutrient status of their soil along with recommendation on appropriate dosage of nutrients to be applied for improving soil health and its fertility.

Soil status is to be assessed regularly in a cycle of every 2 years. In all 253 lakh soil samples are to be collected and tested to generate 12 crore soil health cards for distribution to the farmers.

The unique features of Soil Health Card scheme are as follows:-

- i Uniform approach to collection of soil samples and testing at the laboratories.
- ii Universal coverage of all the farm holdings in the country.
- iii Issue of Soil Health Cards after every two years.

Soil sampling method:

- i. For the first time a unified soil sampling criteria has been proposed.
- ii. Samples are to be collected at a grid of 2.5 ha in irrigated area and 10 ha in un-irrigated area.
- iii. GPS based soil sampling has been made mandatory so as to create a systematic database and allow monitoring of changes in the soil health over the year.

Soil analysis criteria:

- i. Uniform soil testing methodology is being adopted.
- ii. 12 Soil Health parameters viz. primary nutrients (NPK); secondary nutrient (S); micronutrients (B, Zn, Mn, Fe, & Cu); and others (pH, EC & OC) are being analysed for comprehensiveness.
- iii. Analysis of secondary nutrients and micronutrients is now mandatory.

Soil Health Card:

- i. Uniform format of Soil Health Card has been adopted.
- ii. Scientifically sound fertilizer recommendation approach is being adopted for soil test based crop-wise fertilizer recommendation in the Soil Health Card.

Soil Health Card Portal:

Soil Health Card Portal has been developed for registration of soil samples, recording test results of soil samples and generation of Soil Health Card (SHC) along with fertilizer recommendations. This is a single, generic, uniform, web based software accessed at the URL www.soilhealth.dac.gov.in . It is a workflow based application with following major modules; (i) Soil Sample Registration (ii) Test Result Entry by Soil Testing Labs (iii) Fertilizer Recommendations based on General Fertilizer Recommendations (GFR) (iv) Soil Health Card generation along with fertilizer recommendation and micronutrient suggestions (v) MIS module for monitoring progress.

It promotes uniform adoptions of codes e.g. Census Codes for locations. The system has samples tracking feature and provides alerts to farmers about sample registration and generation of Soil Health Card through SMS and e-mail.

Soil Health Card Portal aims to generate and issue Soil Health Cards based on General Fertilizer Recommendations provided by State Governments. Based on test results, these recommendations are calculated automatically by the system. Micronutrients status is also provided by the system.

The system envisages building up a single national database on soil health for future use in research and planning.

SHC Components

- ❖ Soil Health Cards
- ❖ Training for Soil analysis
- ❖ Demonstration/Assistance for package of fertilizers recommendations
- ❖ Capacity building and regular monitoring and evaluation
- ❖ Mission Management

Progress under SHC scheme

a) Fund Release:

(Rs in crore)

Year	Funds released
2014-15	23.89
2015-16	96.44
2016-17	133.67
2017-18	152.77
2018-19	237.40
Total	0

State-wise details are given at **Annexure – I**.

b) Physical progress:

- (i) **Cycle-I (2015-17).** Against the target of **253.49** lakh soil sample, 100% soil samples have been collected and tested. Against the target of **1073** lakh soil health cards, 100% cards have been distributed to farmers.
- (ii) **Cycle-II (2017-19)** The 2nd Cycle of the scheme started from 1st May 2017. So far, against the target of **273.99** lakh soil sample, **270.31** lakh (i.e.98%) soil samples have been collected and **251.25** lakh (i.e.91%) samples tested. Against the target of **1204.52** lakh soil health cards, **921.45** lakh (i.e.76%) cards printed and 847.11 lakh distributed to farmers.

State-wise details are given at **Annexure – II & III**.

Apart from SHC component, state-wise and year-wise details of various trainings, demonstrations, farmer's melas and workshops sanctioned to states is given at **Annexure – IV**.

Soil Health Management (SHM) Scheme

As soil test based application of fertilizers is essential to improve soil health and productivity, the Government is promoting Integrated Nutrient Management (INM) i.e. soil test based balanced and judicious use of chemical fertilizers, bio-fertilizers and locally available organic manures like Farm Yard Manure, Compost, Vermi Compost and Green Manure to maintain soil health and its productivity.

Under the Soil Health Management scheme there is provision to set up new static Soil Testing Laboratories (STLs) and new Mobile Soil Testing Laboratories besides strengthening of existing laboratories to enable them to undertake micro-nutrient testing. The year wise numbers of STLs sanctioned under the scheme are given in table below:-

Sl. No	Component / year	2014-15	2015-16	2016-17	2017-18	2018-19	Total
1.	New Static STLs	10	93	302	1	8	0
2.	New Mobile STLs	69	8	9	8	8	0
3.	Strengthening of existing STLs	7	262	75	163	180	0
4.	Mini soil testing labs	-	-	5612*	3140	0	0
5.	Village level soil Testing labs	-	-	-	1	1561	1562
	Total	86	363	5998	0	0	0

* Including 1076 sanctioned to ICAR.

Apart from above, other components under this scheme are promotion of micronutrients and setting up/strengthening of Fertilizer Quality Control Laboratories / Bio-fertilizers & Organic Fertilizers Quality Control Labs / Bio-fertilizer Production Units.

Fund Release under SHM scheme:

Year	Funds released (Rs in crore)
2014-15	62.98
2015-16	44.39

2016-17	95.50
2017-18	42.18
2018-19	78.31
Total	0

The state-wise details of funds released is given at **Annexure – V** and state-wise & year- wise details of various components sanctioned is given at **Annexure – VI to X**.

Output Outcome Framework

For effective monitoring of schemes, output outcome framework has been finalized in consultation with NITI Aayog. The framework maps for each scheme, their outputs, outcomes and relevant & measurable indicators to monitor the performance of the scheme. The indicators for soil health are number of soil / fertilizer testing labs, number of soil health cards distributed to farmers, capacity building through trainings and distribution of micronutrients to farmers. The output outcome framework for the years 2017-18, 2018-19 and targets for 2019-20 is given at Annexure – XI to XIII.

2. Evaluation of the Objective(s)

It is proposed to conduct the Impact Evaluation of the programme for assessing efficacy and overall performance of the programme implementation during the year 2014-15 onwards in terms of objectives. It is expected that the findings of the study will provide outcome and shortcomings to facilitate corrections, if any, to implement the scheme in subsequent years. A copy of operational Guidelines of Soil Health Card (SHC) and Soil Health Management (SHM) is available at <http://agricoop.nic.in>

In pursuance of the existing operational Guidelines of scheme, the programme is required be evaluated to determine the relevance and fulfillment of aims, as well as efficacy and effectiveness of implementing the scheme in each State by:-

- 2.1 Evaluating the process of planning, implementation and monitoring of interventions of SHC and SHM schemes by the Implementing States/ Agencies;
- 2.2 Examine the involvement of Panchayati Raj Institutions particularly in identification of beneficiaries;
- 2.3 Examine the utilization of earmarked funds for SC/ST farmers in proportion to their population in the States

3. Scope of evaluation

- 3.1** Collection of State/District wise total Soil Health Cards issued year- wise and cycle-wise during 2014-15 onwards under SHC and analysis of data with respect to impact of programme in terms of awareness among farmers about SHCs and SHC based application of fertilizers, balanced use of fertilizers, increase in farmers income and productivity improvement of crops.
- 3.2** Collection of data pertaining to each component of SHC and impact of these interventions in balanced use of fertilizers, improvement in productivity of crops and increase in farmer's income.
- 3.3** To assess farmers participation in soil sample collection.
- 3.4** To ascertain whether in cycle – II, soil samples were collected from the same site / location from where samples were drawn in cycle – I.
- 3.5** To ascertain whether staff involved in extension services were imparted SHC specific training prior to collection of soil samples and distribution of cards.
- 3.6** To assess adequacy of SHC design in terms of understanding of farmers.
- 3.7** To assess the efficiency of soil health card portal and mobile app developed by NIC.
- 3.8** Other suggestions on soil sampling from farm holdings v/s grids, number of parameters tested, cycle duration, etc.
- 3.9** Collection of State/District wise number of Soil Testing Labs, their capacity & samples analyzed, as on 31.03.2019.
- 3.10** To ascertain the adequacy of existing soil testing infrastructure and staff at various labs (STLs, MSTLs, private Labs, mini labs, village level projects)
- 3.11** To assess the basic needs of equipments required for testing micro-nutrients.
- 3.12** To assess the efficacy and practicability of PPP mode in soil testing.
- 3.13** To assess the viability of soil samples testing with village level STLs / mini labs vis-a-vis regular soil testing.

3.14 The Impact evaluation must come out with suggestions, corrective and remedial measures for better implementation of the scheme during subsequent years.

4. Details of report:

The impact evaluation report should contain the district wise and state wise information along with suitable recommendations for necessary corrections in the implementation of the programme. The report should contain Executive Summary containing state-wise, region-wise and component-wise brief conclusion. The recommendations should be as far as practicable and be based on quantitative data analysis and it should cover both positive and negative features.

5. Coverage and Sampling Size:

- (i) All States/UTs (except Chandigarh, Daman & Diu, Delhi and Lakshadweep who are not implementing the scheme).
- (ii) Sample size: At least 25% districts of the states but not less than 5 districts (in States / UTs with less than 5 districts namely A&N Islands, Dadra & Nagar Havelli, Goa, Puducherry and Sikkim 1 district sample size may be taken). The selection of the districts should be done preferable covering all components of SHC and SHM.
- (iii) In each district at least 20 villages should be selected and from each village at least 25 beneficiary farmers and 10 non-beneficiary farmers (direct benefit components) for each key intervention of individual component of SHC and SHM schemes may be covered.
- (iv) Soil Health Card data should be collected separately for each year. The report shall contain the full evaluation for the project period.
- (v) Soil testing labs, their capacity and capacity utilization etc must be analyzed separately across states.

6. Approach and Research Design

A core team comprising various faculty experts shall be constituted for undertaking the evaluation. The states shall be grouped into six regions, i.e., North, West, South, East, North Eastern region and Hill region, each region headed by an expert. The core team should be supported by senior and junior researchers and field investigators for collection of primary and secondary data from every state. The

selected agency is free to select state wise agencies for collection and analysis of data, but all the responsibility for undertaking evaluation as per these terms and conditions will be vested with the selected agency. All the administration support will be extended to have access to data reporting with Govt. Institutions /Universities / Departments/KVKs.

7. Deliverables:

- 7.1** The report will contain information on all issues given above at para 3 on Scope of evaluation.
- 7.2** The reports will contain analysis of pattern of utilization, amount allocated and released and its impact in terms of physical and financial outcomes. The outcome of the projects in terms of SHC based application of fertilizers, balanced use of fertilizer / change of fertilizer use pattern, increase in production, productivity and income.
- 7.3** Report will contain impact assessment of key interventions on promotion of soil health and its productivity.
- 7.4** The reports will identify the shortcomings in implementation of the various activities of the scheme, evident leakages or miss-utilization and suggest corrective measures and guidelines for allocation of funds for the forthcoming years.
- 7.5** Besides the reports, the agency will also give presentation about the report before the Senior Officers of DAC&FW.

State-wise Funds allocation and Release under Soil Health Card (SHC)

As on 31.03.2019
(Rs in lakh)

State	2014-15	2015-16		2016-17		2017-18		2018-19		Total
	Released	Allocation	Released	Allocation	Released	Allocation	Released	Allocation	Released	Released
Andhra Pra.	124.08	706.09	457.75	1394.47	1394.47	1213.54	1225.67	1345.97	1345.97	4547.94
Arunachal Pr.	12.23	30.24	17.18	49.82	37.37	27.72	20.79	65.86	49.40	136.965
Assam	50.85	253.19	142.07	618.94	365.03	376.26	0.00	748.94	561.70	1119.65
Bihar	253.39	673.50	488.17	1288.75	0.00	1177.90	0.00	1290.39	967.50	1709.0575
Chhattisgarh	66.04	383.43	281.03	685.43	342.72	844.88	888.12	700.10	943.73	2521.63
Goa	11.51	16.57	12.42	18.78	0.00	22.50	0.00	25.64	0.00	23.93
Gujarat	80.76	835.50	603.46	1057.38	528.69	1682.49	1990.36	1832.61	1134.81	4338.079
Haryana	34.13	400.67	288.22	440.31	0.00	709.80	1065.05	1600.46	1155.13	2542.525
Himachal Pr.	24.08	70.55	47.34	58.84	29.42	135.00	136.34	150.77	113.09	350.265
J & K	31.79	141.22	77.16	325.89	0.00	223.18	0.00	246.54	246.54	355.49
Jharkhand \$	50.69	73.25	53.97	128.35	64.18	103.77	0.00	148.69	111.52	280.355
Karnataka	127.02	1292.93	650.25	2059.61	1029.80	1499.19	1135.63	1670.66	2049.21	4991.9114
Kerala	112.62	82.56	60.93	131.77	0.00	114.83	0.00	206.03	154.52	328.07
Madhya Pr.	142.86	1228.13	888.05	2747.08	1373.54	2082.58	2669.47	2371.91	2097.56	7171.48
Maharashtra	215.96	1284.83	932.30	2430.13	1910.73	2112.41	1066.77	3120.42	4664.02	8789.78
Manipur	12.80	30.91	17.58	63.47	0.00	27.96	0.00	34.05	0.00	30.38
Meghalaya	13.62	36.45	20.60	43.44	0.00	53.15	40.26	60.96	60.96	135.4386
Mizoram	11.98	23.93	13.79	36.04	6.15	16.18	12.25	23.30	27.35	71.521
Nagaland	13.18	40.01	22.46	73.82	17.55	45.12	0.00	53.37	40.03	93.22
Odisha	80.23	371.35	269.89	608.96	304.48	601.77	451.33	683.92	341.96	1447.89
Punjab #	25.81	424.02	304.98	958.42	0.00	751.97	0.00	811.57	405.79	736.575
Rajasthan	143.42	1212.62	875.79	2216.58	1108.29	2577.60	0.00	4219.34	2109.67	4237.17
Sikkim	11.75	20.29	11.81	25.23	0.00	17.84	13.51	88.46	92.09	129.1638
Tamil Nadu	131.91	652.14	469.51	1289.84	644.92	1147.08	868.91	1286.18	1286.18	3401.43
Telengana	93.48	544.04	352.92	936.50	468.25	931.21	705.39	997.83	498.92	2118.96
Tripura	18.38	40.38	22.71	78.95	59.21	44.19	33.48	52.83	63.54	197.32
Uttar Pr.	354.47	2386.50	1716.42	4884.09	2442.05	4468.04	2256.36	4622.10	2319.31	9088.6025
Uttarakhand	23.40	119.02	65.19	235.56	144.70	183.25	92.54	218.46	235.52	561.3412
West Bengal	117.14	666.70	480.12	1459.95	1094.96	1170.32	591.01	1274.36	637.18	2920.4125
Puducherry &	0.00	0.00	0.00	0.00	0.00	18.00	13.64	14.84	14.90	28.535
A&N Island	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.70	5.78	5.775
D&N Haveli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.34	6.26	6.255
Total	2389.58	14041.02	9644.06	26346.40	13366.49	24379.73	15276.87	29982.60	23740.12	64417.1175

A sum of Rs.108.79 lakh adjusted against release of 2018-19

\$ A sum of Rs. 41.66 lakh unspent in the previous years have been admjusted against the release of 2018-19.

& A sum of RS. 3.05 lakh unspent for the year 2017-18 has been adjusted against release of 2018-19.

Annexure-II

State-wise Status of Soil Health Card Scheme Cycle-I (2015 to 2017) as on 30.06.2018											
Sl. No.	States/UTs	Cumulative Target for Soil Samples Collection & Testing during Cycle-I (2015-16 & 2016-17)	No. of Samples Collected (Cycle-I)	Percent Progress of Soil Samples Collected (Cycle-I)	No. of Samples Tested (Cycle-I)	Percent Progress of Soil Samples Tested (Cycle-I)	Cumulative Target for Printing & Distribution of SHCs for Cycle-I (2015-16 & 2016-17)	No. of SHCs Printed (Cycle-I)	Percent Progress of SHCs Printed (Cycle-I)	No. of SHCs Distributed (Cycle-I)	Percent Progress of SHCs Distributed (Cycle-I)
Group - I											
1	Uttar Pradesh * *	4770399	4770399	100.00	4770399	100.00	16991346	16991346	100.00	16991346	100.00
2	Maharashtra	2347121	2347121	100.00	2347121	100.00	12977232	12977232	100.00	12977232	100.00
3	Madhya Pradesh *	2313977	2313977	100.00	2313977	100.00	8872377	8872377	100.00	8872377	100.00
4	Rajasthan *	2308013	2308013	100.00	2308013	100.00	6886000	6886000	100.00	6886000	100.00
Group - II											
1	Karnataka *	1665765	1665765	100.00	1665765	100.00	7832189	7832189	100.00	7832189	100.00
2	Gujarat *	1589236	1589236	100.00	1589236	100.00	5108923	5108923	100.00	5108923	100.00
3	Andhra Pradesh	1348382	1348382	100.00	1348382	100.00	7455204	7455204	100.00	7455204	100.00
4	Bihar *	1308778	1308778	100.00	1308778	100.00	6469650	6469650	100.00	6469650	100.00
5	West Bengal *	1300349	1300349	100.00	1300349	100.00	5040510	5040510	100.00	5040510	100.00
6	Tamil Nadu *	1274536	1274536	100.00	1274536	100.00	7000000	7000000	100.00	7000000	100.00
7	Telangana	1034678	1034678	100.00	1034678	100.00	5720737	5720737	100.00	5720737	100.00
Group - III											
1	Punjab *	835526	835526	100.00	835526	100.00	1251726	1251726	100.00	1251726	100.00
2	Haryana *	788670	788670	100.00	788670	100.00	4227238	4227238	100.00	4227238	100.00
3	Chhattisgarh	703691	703691	100.00	703691	100.00	3890709	3890709	100.00	3890709	100.00
4	Odisha *	668635	668635	100.00	668635	100.00	2374233	2374233	100.00	2374233	100.00
Group - IV											
1	Kerala	127585	127585	100.00	127585	100.00	763435	763435	100.00	763435	100.00
2	Goa *	25000	25000	100.00	25000	100.00	25000	25000	100.00	25000	100.00
3	Uttarakhand	135738	135738	100.00	135738	100.00	750494	750494	100.00	750494	100.00
4	Himachal Pradesh	69635	69635	100.00	69635	100.00	385011	385011	100.00	385011	100.00
5	J & K *	160687	160687	100.00	160687	100.00	692062	692062	100.00	692062	100.00
6	Jharkhand	115302	115302	100.00	115302	100.00	637507	637507	100.00	637507	100.00
7	Arunachal Pradesh *	20532	20532	100.00	20532	100.00	20532	20532	100.00	20532	100.00
8	Assam *	278707	278707	100.00	278707	100.00	1300901	1300901	100.00	1300901	100.00
9	Manipur	20713	20713	100.00	20713	100.00	114522	114522	100.00	114522	100.00
10	Meghalaya *	39372	39372	100.00	39372	100.00	209561	209561	100.00	209561	100.00
11	Mizoram	11986	11986	100.00	11986	100.00	11986	11986	100.00	11986	100.00
12	Nagaland	33423	33423	100.00	33423	100.00	184797	184797	100.00	184797	100.00
13	Sikkim *	13217	13217	100.00	13217	100.00	46000	46000	100.00	46000	100.00
14	Tripura *	32736	32736	100.00	32736	100.00	117723	117723	100.00	117723	100.00
Union Territories											
1	Andaman & Nicobar *	1405	1405	100.00	1405	100.00	10000	10000	100.00	10000	100.00
2	Dadra and Nagar Haveli *	2222	2222	100.00	2222	100.00	2222	2222	100.00	2222	100.00
3	Puducherry	3530	3530	100.00	3530	100.00	19594	19594	100.00	19594	100.00
Total		25349546	25349546	100.00	25349546	100.00	107389421	107389421	100.00	107389421	100.00

* As per change targets by States ** State that revised target twice

Annexure-III

State-wise Status of Soil Health Card Scheme Cycle-II (2017 to 2019) as on 26.03.2019

Sl. No.	States/UTs	Cumulative Target for Soil Samples Collected & Testing during Cycle-II (2017-18 & 2018-19)		No. of Samples Collected (Cycle-II)	Percent Progress of Soil Samples Collected (Cycle-II)	No. of Samples Tested (Cycle-II)		Percent Progress of Soil Samples Tested (Cycle-II)	Cumulative Target for Printing & Distribution of SHCs for Cycle-II (2017-18 & 2018-19)		No. of SHCs Printed (Cycle-II)	Percent Progress of SHCs Printed (Cycle-II)	No. of SHCs Distributed (Cycle-II)		Percent Progress of SHCs Distributed (Cycle-II)		
		Farmers to soil chemist	Staff training			Farmers to soil chemist	Staff training		Farmers to soil chemist	Staff training			Farmers to soil chemist	Staff training			
Group - I																	
1	Uttar Pradesh			4867442	100.00	4777054	98.14	23325456	17394027	74.57	15709937	67.35					
2	Maharashtra			2851525	100.00	2851525	100.00	12907574	11315482	87.67	10591240	82.05					
3	Madhya Pradesh			2315844	100.00	2251189	97.22	5812453	5500000	94.63	4950000	84.31					
4	Rajasthan			2630000	98.76	2610000	92.56	7619498	7410000	97.25	7245000	95.09					
Group - II																	
1	Karnataka	0	0	1633000	100.00	1633000	100.00	7832148	6929939	88.48	6829939	87.20	0	0	0	0	
2	Andhra Pradesh	10	8	1387706	100.00	1387706	100.00	8412	696703	82.82	682978	81.19	0	0	0	0	
3	Arunachal Pradesh	1	1	1368770	100.00	1368770	100.00	178	7236232	3689552	50.99	3447492	47.64	0	0	0	0
4	Assam	4	3	1360349	100.00	1360349	100.00	20	5100000	2936000	57.55	1936000	38.25	0	0	0	0
5	West Bengal	0	0	1300000	100.00	1300000	100.00	0	6974843	6541288	93.85	5946948	85.27	0	0	0	0
6	Chandigarh	5	4	960614	100.00	960614	100.00	0	4976824	3027755	60.84	2160073	43.42	0	0	0	0
7	Tamil Nadu	0	0	835526	100.00	835526	100.00	0	1052534	648644	61.63	546649	51.94	0	0	0	0
8	Goa	1	1	1225100	100.00	1225100	100.00	0	4540969	2836284	62.45	1574335	34.67	0	0	0	0
9	Gujarat	6	5	949334	100.00	949334	100.00	10362	4746670	4918566	99.41	4796666	99.22	0	0	0	0
10	Uttarakhand	2	2	668636	100.00	668636	100.00	0	3343100	1217785	36.43	1188020	35.54	0	0	0	0
11	Himachal Pradesh	1	1	5000	100.00	5000	100.00	0	1208	8	4	4	0	0	0	0	
12	Odisha	2	2	630095	100.00	630095	100.00	12730	1120000	4847246	66.72	630095	56.25	0	0	0	0
13	J & K	3	3	296784	100.00	296784	100.00	0	2000	0	0	0	0	0	0	0	
14	Kerala	10	8	296784	100.00	296784	100.00	0	2000	0	0	0	0	0	0	0	
15	Lakshadweep	0	0	0	0.00	0	0.00	0	0	0	0	0.00	0	0	0	0	
16	Madhya Pradesh	12	9	197019	100.00	197019	100.00	16760	910000	6054336	93.61	800049	89.00	0	0	0	0
17	Maharashtra	20	14	100000	100.00	100000	100.00	20814	960765	360765	100.00	960765	100.00	0	0	0	0
18	Manipur	1	1	113	100.00	113	100.00	0	0	0	0	0.00	0	0	0	0	
19	Meghalaya	1	1	165292	100.00	165292	100.00	0	1449398	937498	64.88	928498	63.51	0	0	0	0
20	Mizoram	1	1	115302	100.00	115302	100.00	0	637508	637508	100.00	637508	100.00	0	0	0	0
21	Nagaland	1	1	132	100.00	132	100.00	0	0	0	0	0.00	0	0	0	0	
22	Uttarakhand	7	5	22128	100.00	22128	100.00	5850	44356	21	5	0.12	2925	0	0	0	
23	Uttarakhand	0	0	284778	100.00	284778	100.00	0	1300901	897135	30.53	301864	23.20	0	0	0	0
24	Punjab	2	1	1752	100.00	1752	100.00	0	0	0	0	0.00	0	0	0	0	
25	Rajasthan	10	7	20714	100.00	20714	100.00	15358	114522	24198	21.13	10000	8.74	0	0	0	
26	Sikkim	1	1	39372	100.00	39372	100.00	0	21522	92366	89.38	180067	83.64	0	0	0	0
27	Tamil Nadu	12	8	3174	100.00	3174	100.00	8348	40	23	23	57.50	4270	20	30	30	
28	Telangana	4	6	3238	100.00	3238	100.00	6478	2366	1365	58.10	1365	58.10	0	0	0	0
29	Nagaland	1	1	41123	100.00	41123	100.00	338	41223	38000	92.41	36823	89.54	0	0	0	0
30	Uttar Pradesh	32	24	10377	100.00	10377	100.00	20754	130	75	75	57.69	10377	20	75	75	
31	Uttarakhand	1	1	441	100.00	441	100.00	882	6	3	3	0.06	441	2	4	4	
32	West Bengal	10	8	332736	100.00	332736	100.00	6624	117223	2417724	100.00	1301223	21	100.00	0	0	
Union Territories																	
1	Andaman & Nicobar			2176	64.61	1406	64.61	11804	5902	49.98	5900	49.98					
2	Dadra and Nagar Haveli			2838	99.22	0	0.00	12000	0	0.00	0	0.00					
3	Puducherry			7060	64.09	4301	60.92	12000	2200	18.33	2200	18.33					
Total																	
				27399247	98.66	25125460	91.70	120452133	92145700	76.50	84711632	70.33					

Annexure-IV

Physical Status under the scheme Soil Health Card (SHC) Scheme of NMSA

8-19 Total

State-wise Funds Allocation and Release under Soil Health Management (SHM)

As on 31.03.2019

(Rs in lakh)

Sl. No	State	Physical Status under the scheme Soil Health Management (SHM) of NMSA for 2014-15										2018-19		Total	Organic fertilizer adoption	PGS system for online data Management	
		2014-15		2015-16		2016-17		2017-18		2018-19		Released	Allocation				
	S. State	Released	Allocation	Released	Allocation	Released	Allocation	Released	Allocation	Released	Allocation	Released	Allocation	Released	Allocation	Released	Allocation
1	Andhra Pradesh	393.41	461.15	209.05	209.05	350.35	652.21	516.00	221.80	0.00	0.00	0.00	0.00	0.00	0.00	440.65	440.65
2	Arunachal Pradesh	82.38	12.65	0.00	0.00	30.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Assam	182.37	107.72	102.33	102.33	364.02	0.00	330.30	138.38	0.00	0.00	0.00	0.00	0.00	0.00	541.205	541.205
4	Bihar	552.40	357.77	151.88	151.88	517.82	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	767.275	767.275
5	Chhattisgarh	122.00	323.16	225.00	225.00	520.21	619.95	117.00	124.25	0.00	0.00	0.00	0.00	0.00	0.00	1287.87	1287.87
6	Goa	189.85	05.92	0.00	0.00	44.82	40.00	69.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	260.99	260.99
7	Gujarat	0.00	656.59	5.00	0.00	1437.87	0.00	451.68	838.56	0.00	0.00	0.00	0.00	0.00	0.00	354.41	354.41
8	Haryana	0.00	244.57	0.00	0.00	369.26	258.07	1020.00	450.00	0.00	0.00	0.00	0.00	0.00	0.00	944.316	944.316
9	Himachal Pradesh	198.70	37.26	90.60	90.60	97.96	180.79	75.06	56.30	0.00	0.00	0.00	0.00	0.00	0.00	751.6225	751.6225
10	J & K	736.25	82.97	28.31	28.31	221.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	880.23	880.23
11	Jharkhand	0.00	73.36	18.88	18.88	158.38	337.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	393.015	393.015
12	Karnataka	50.70	753.41	292.50	292.50	1358.90	927.15	576.47	32.36	0.00	0.00	0.00	0.00	0.00	0.00	2414.3	2414.3
13	Kerala	100.80	87.23	46.48	46.48	512.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	141.28	141.28
14	Madhya Pradesh	560.80	1032.52	0.00	0.00	1801.61	3877.14	800.64	1368.20	0.00	0.00	0.00	0.00	0.00	0.00	4504.637	4504.637
15	Madhya Pradesh	504.80	1183.39	319.50	319.50	2573.24	24721.00	90.00	1568.12	0.00	0.00	0.00	0.00	0.00	0.00	2660.846	2660.846
16	Manipur	0.00	11.69	0.00	0.00	38.37	0.00	90.00	67.50	0.00	0.00	0.00	0.00	0.00	0.00	67.5	67.5
17	Meghalaya	0.00	17.54	0.00	0.00	129.71	41.57	31.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3015765	3015765
18	Mizoram	8.30	07.14	0.00	0.00	12.50	44.35	4.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	870775	870775
19	Nagaland	40.80	22.44	48.50	48.50	119.96	0.00	255.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	80.5	80.5
20	Odisha	151.90	375.62	198.88	198.88	778.40	0.00	0.00	908.12	0.00	0.00	0.00	0.00	0.00	0.00	750.95	750.95
21	Punjab	175.88	269.59	0.00	0.00	569.97	0.00	993.05	246.76	0.00	0.00	0.00	0.00	0.00	0.00	520.8375	520.8375
22	Rajasthan	0.00	1239.83	774.30	774.30	1964.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1235.98	1235.98
23	Sikkim	611.75	5.24	15.00	15.00	428.34	0.00	272.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	626.75	626.75
24	Tamil Nadu	185.00	346.76	305.76	305.76	500.53	26.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	882.77	882.77
25	Telangana	369.85	347.88	166.50	166.50	806.67	441.00	931.90	802.05	10.00	0.00	0.00	0.00	0.00	0.00	3280.15	3280.15
26	Tripura	50.40	17.41	28.40	28.40	36.89	288.74	36.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	419.46	419.46
27	Uttar Pradesh	678.85	1124.04	838.13	838.13	2268.82	0.00	299.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2422.64	2422.64
28	Uttarakhand	0.00	47.80	19.75	19.75	102.55	10.00	100.00	124.75	0.00	0.00	0.00	0.00	0.00	0.00	94.085	94.085
29	West Bengal	374.81	327.37	478.13	478.13	792.84	0.00	156.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	852.74	852.74
30	Puducherry	0.00	0.00	0.00	0.00	0.00	50.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1000.00	1000.00
31	Andhra Pradesh	0.00	1.00	24.02	24.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.024	24.024
Total		6297.60	9600.02	4438.89	4438.89	19289.89	9550.22	7742.30	4217.97	12721.00	7831.58	32356.25					
* ush of 11.61 lakh of 2014-15 and Rs.0.96 lakh of 2015-16 has been adjusted against the release of 2018-19																	
36	West Bengal	1	4	1	1	0	0	50	4	100	0	0	0	0	0	0	2
Total		10	69	4	8	7	3	374	59	295	270	150	20000	1	125	4	11200

Physical Status under the scheme Soil Health Management (SHM) of NMSA for 2015-16

S. No	State	Setting up of Static STL	Setting up of Mobile STL	Setting up of FQCL	Setting up of BOQCL	Strengthening of STLs	Strengthening of FQCLs	Strengthening of BOQCLs	Distribution /Promotion of Micro-nutrients	Portable Soil Testing Kits	Training of Farmers	Mechanized Compost Unit	Liquid/carr ier based Bio-fert Unit
1	Andman & Nicobar	0	0	0	0	0	0	0	0	0	0	0	0
2	Andhra Pradesh	0	2	0	0	37	3	0	0	0	339	0	0
3	Arunachal Pradesh	0	0	0	0	0	0	0	0	0	0	0	0
4	Assam	0	0	0	1	0	0	0	0	0	0	1	1
5	Bihar	0	0	0	0	9	0	0	0	0	0	0	0
6	Chandigarh	0	0	0	0	0	0	0	0	0	0	0	0
7	Chhatisgarh	8	0	0	0	0	0	0	0	0	0	0	0
8	Dadar & N Haveli	0	0	0	0	0	0	0	0	0	0	0	0
9	Daman & Diu	0	0	0	0	0	0	0	0	0	0	0	0
10	Delhi	0	0	0	0	0	0	0	0	0	0	0	0
11	Goa	0	0	0	0	0	0	0	0	0	0	0	0
12	Gujarat	0	0	0	0	0	0	0	0	0	0	0	0
13	Haryana	0	0	0	0	0	0	0	0	0	0	0	0
14	Himachal Pradesh	0	3	0	0	0	0	0	1344	66	0	0	0
15	J & K	0	0	0	0	0	0	0	0	450	0	0	0
16	Jharkhand	0	0	0	0	1	0	0	0	0	0	0	0
17	Karnataka	0	0	0	0	36	0	0	0	0	0	0	0
18	Kerala	0	0	0	0	1	0	0	5000	152	0	0	0
19	Lakshadweep	0	0	0	0	0	0	0	0	0	0	0	0
20	Madhya Pradesh	0	0	0	0	0	0	0	0	0	0	0	0
21	Maharashtra	13	0	0	0	10	5	0	0	0	0	0	0
22	Manipur	0	0	0	0	0	0	0	0	0	0	0	0
23	Meghalaya	0	0	0	0	0	0	0	0	0	0	0	0
24	Mizoram	0	0	0	0	0	0	0	0	0	0	0	0
25	Nagaland	1	0	0	0	0	0	0	0	40	0	0	0
26	Odisha	3	3	1	0	0	0	0	0	0	0	0	0
27	Puducherry	0	0	0	0	0	0	0	0	0	0	0	0
28	Punjab	0	0	0	0	0	0	0	0	0	0	0	0
29	Rajasthan	55	0	0	0	32	7	0	0	0	0	0	0
30	Sikkim	0	0	0	0	1	0	0	0	0	0	0	0
31	Tamil Nadu	1	0	0	0	47	14	1	0	0	0	0	0
32	Telengana	0	0	1	0	24	1	0	30000	0	0	0	0
33	Tripura	1	0	0	0	0	0	0	0	5	0	0	0
34	Uttar Pradesh	0	0	0	0	50	4	8	0	0	0	0	0
35	Uttarakhand	0	0	0	0	4	0	0	0	30	0	0	0
36	West Bengal	11	0	0	0	10	0	0	0	0	0	0	0
	Total	93	8	2	1	262	34	9	36344	743	339	1	1

Physical Status under the scheme Soil Health Management (SHM) of NMSA for 2016-17

S. No	State	Setting up of Static STL	Setting up of Mobile STL	Setting up of BOQCL	Strengthening of STLs	Strengthening of FQCLs	Distribution /Promotion of Micro-nutrients	Mini STLs	Training of STL Staff/Extn. Officers	Training of Farmers	Front Line Field Demons.	Field demonstrations	Bio-fert Production Unit
1	Andman & Nicobar	0	0	0	0	0	0	0	0	0	0	0	0
2	Andhra Pradesh	0	2	0	21	3	0	0	0	663	0	0	0
3	Arunachal Pradesh	0	0	0	3	0	0	0	0	0	0	0	0
4	Assam	0	0	0	0	0	0	200	0	0	0	0	0
5	Bihar	0	0	0	0	0	0	0	0	0	0	0	0
6	Chandigarh	0	0	0	0	0	0	0	0	0	0	0	0
7	Chhatisgarh	11	0	0	0	0	0	111	0	0	0	0	0
8	Dadar & N Haveli	0	0	0	0	0	0	0	0	0	0	0	0
9	Daman & Diu	0	0	0	0	0	0	0	0	0	0	0	0
10	Delhi	0	0	0	0	0	0	0	0	0	0	0	0
11	Goa	0	0	0	0	0	0	0	0	0	0	0	0
12	Gujarat	0	0	0	0	0	0	0	0	0	0	0	0
13	Haryana	1	0	0	11	0	0	50	0	0	0	0	0
14	Himachal Pradesh	0	0	0	0	0	0	69	0	0	0	0	0
15	J & K	0	0	0	0	0	0	0	0	0	0	0	0
16	Jharkhand	0	0	0	0	0	0	1300	0	0	0	0	0
17	Karnataka	0	6	0	15	0	0	2	0	0	0	0	0
18	Kerala	0	0	0	0	0	0	152	0	0	0	0	0
19	Lakshadweep	0	0	0	0	0	0	0	0	0	0	0	0
20	Madhya Pradesh	265	0	0	0	4	0	626	10	50	0	0	0
21	Maharashtra	25	0	0	19	5	0	1318	0	0	0	0	0
22	Manipur	0	0	0	0	0	0	0	0	0	0	0	0
23	Meghalaya	0	0	0	2	0	0	8	2	0	12	78	0
24	Mizoram	0	0	0	1	1	1000	0	2	2	0	0	0
25	Nagaland	0	0	0	0	0	0	0	0	0	0	0	0
26	Odisha	0	0	0	0	0	0	0	0	0	0	0	0
27	Puducherry	0	0	1	0	0	0	0	0	0	0	0	0
28	Punjab	0	0	0	0	0	0	0	0	0	0	0	0
29	Rajasthan	0	0	0	0	0	0	0	0	0	0	0	0
30	Sikkim	0	0	0	0	0	0	0	0	0	0	0	0
31	Tamil Nadu	0	0	0	1	0	0	0	0	0	0	0	1
32	Telengana	0	0	0	0	0	0	600	0	0	0	0	0
33	Tripura	0	1	0	2	0	0	100	32	0	0	0	1
34	Uttar Pradesh	0	0	0	0	0	0	0	0	0	0	0	0
35	Uttarakhand	0	0	0	0	0	0	0	0	0	0	0	0
36	West Bengal	0	0	0	0	0	0	0	0	0	0	0	0
	Total	302	9	1	75	13	1000	4536	46	715	12	78	2

Physical Status under scheme Soil Health Management (SHM) of NMSA for 2017-18

S. No	State	Setting up of Static STL	Setting up of Mobile STL	Village Level STLs	Setting up of FQCL	Setting up of BOQCL	Strengthening of STLs	Strengthening of FQCLs	Strengthening of BOQCL	Distribution /Promotion of Micro-nutrients	Mini STLs	Training of STLs Staff/ Ext. Officers	Training of Farmers	Front Line Field Demons.
1	Andman & Nicobar	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Andhra Pradesh	0	0	0	0	0	20	3	0	0	1328	0	0	0
3	Arunachal Pradesh	0	0	0	0	0	0	0	0	0	0	0	0	0
4	Assam	0	0	0	0	1	4	0	0	0	0	0	0	0
5	Bihar	0	0	0	0	0	0	0	0	0	0	0	0	0
6	Chandigarh	0	0	0	0	0	0	0	0	0	0	0	0	0
7	Chhatisgarh	0	0	0	1	0	4	0	0	0	0	0	0	0
8	Dadar & N Haveli	0	0	0	0	0	0	0	0	0	0	0	0	0
9	Daman & Diu	0	0	0	0	0	0	0	0	0	0	0	0	0
10	Delhi	0	0	0	0	0	0	0	0	0	0	0	0	0
11	Goa	0	0	0	0	0	0	0	0	0	0	0	0	0
12	Gujarat	0	0	0	0	0	11	0	2	5000	230	0	0	0
13	Haryana	0	0	0	0	0	0	0	0	150000	0	0	0	0
14	Himachal Pradesh	0	0	0	0	0	0	0	1	3000	0	0	78	78
15	J & K	0	0	0	0	0	0	0	0	0	0	0	0	0
16	Jharkhand	0	0	0	0	0	0	0	0	0	0	0	0	0
17	Karnataka	0	0	0	0	0	66	5	0	0	4	0	0	0
18	Kerala	0	0	0	0	0	0	0	0	0	0	0	0	0
19	Lakshadweep	0	0	0	0	0	0	0	0	0	0	0	0	0
20	Madhya Pradesh	0	0	0	0	0	0	0	0	0	0	0	0	0
21	Maharashtra	0	0	0	0	0	0	0	0	0	0	0	0	0
22	Manipur	0	0	0	0	0	3	0	0	0	0	0	0	0
23	Meghalaya	0	0	0	0	0	0	0	0	0	0	0	0	0
24	Mizoram	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Nagaland	0	0	0	0	0	0	0	0	0	0	0	0	0
26	Odisha	1	8	0	0	0	5	0	0	0	0	0	0	0
27	Puducherry	0	0	0	0	0	0	0	0	0	0	0	0	0
28	Punjab	0	0	0	0	1	38	2	0	0	128	0	0	0
29	Rajasthan	0	0	0	0	0	0	0	0	0	0	0	0	0
30	Sikkim	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Tamil Nadu	0	0	0	0	0	0	0	0	0	0	0	0	0
32	Telangana	0	0	0	0	0	12	0	0	30000	1450	0	0	0
33	Tripura	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Uttar Pradesh	0	0	0	0	0	0	0	0	0	0	0	0	0
35	Uttarakhand	0	0	1	0	0	0	0	0	10000	0	0	0	0
36	West Bengal	0	0	0	0	0	0	0	0	0	0	0	0	0
	Total	1	8	1	1	2	163	10	3	198000	3140	0	78	78

Physical Status under scheme Soil Health Management (SHM) of NMSA for 2018-19

S. No	State	Setting up of Static STL	Setting up of Mobile STL	Village Level STLs	Setting up of FQCL	Setting up of BOQCL	Setting up of Bio-fert. Production Unit	Strengthening of STLs	Strengthening of FQCLs	Strengthening of BOQCL	Distribution /Promotion of Micro-nutrients
1	Andman & Nicobar	0	0	0	0	0	0	0	0	0	0
2	Andhra Pradesh	0	0	16	0	0	0	47	3	1	200000
3	Arunachal Pradesh	0	0	0	0	1	1	0	0	0	1100
4	Assam	0	0	35	0	0	0	0	0	0	0
5	Bihar	0	0	28	0	0	0	0	0	0	0
6	Chandigarh	0	0	0	0	0	0	0	0	0	0
7	Chhatisgarh	0	0	10	1	0	0	6	0	0	0
8	Dadar & N Haveli	0	0	0	0	0	0	0	0	0	0
9	Daman & Diu	0	0	0	0	0	0	0	0	0	0
10	Delhi	0	0	0	0	0	0	0	0	0	0
11	Goa	0	0	0	1	0	0	2	0	0	0
12	Gujarat	0	0	7	0	0	0	0	0	0	0
13	Haryana	0	0	105	0	0	0	0	0	0	0
14	Himachal Pradesh	1	1	0	0	0	0	0	0	0	30000
15	J & K	0	2	0	0	0	0	8	2	0	3000
16	Jharkhand	0	0	0	0	1	0	0	0	0	0
17	Karnataka	0	0	213	0	0	0	2	7	0	0
18	Kerala	0	0	0	0	0	0	0	0	0	0
19	Lakshadweep	0	0	0	0	0	0	0	0	0	0
20	Madhya Pradesh	0	0	30	0	0	0	0	0	0	0
21	Maharashtra	0	0	0	0	0	0	31	5	0	0
22	Manipur	0	0	0	0	0	0	0	0	0	0
23	Meghalaya	2	0	0	0	0	1	2	0	0	1100
24	Mizoram	0	0	0	0	0	1	0	0	0	0
25	Nagaland	0	0	0	0	0	0	0	0	0	0
26	Odisha	0	5	0	0	0	0	0	0	0	0
27	Puducherry	0	0	10	0	0	0	0	0	0	0
28	Punjab	0	0	44	0	0	0	0	0	0	0
29	Rajasthan	0	0	50	0	0	0	48	7	1	10000
30	Sikkim	0	0	0	0	0	0	0	0	0	0
31	Tamil Nadu	1	0	2	0	0	1	0	0	6	0
32	Telangana	0	0	711	0	0	0	0	0	0	0
33	Tripura	1	0	0	0	0	0	0	0	0	80
34	Uttar Pradesh	3	0	300	0	0	5	30	4	0	7936
35	Uttarakhand	0	0	0	0	0	0	4	0	0	3676
36	West Bengal	0	0	0	0	0	0	0	0	0	0
	Total	8	8	1561	2	2	9	180	28	8	256892

Output Outcome Framework for Schemes during 2017-18

(figures in lakh)

Ministry/ Deptt.	Name of the scheme	Financial Outlay- 2017-18 Rs in crore	Output Deliver-ables against the Outlay 2017-18	Output indicator to be tracked	Quarterly break up (If applicable of annual targets)	Data source (link) of Ministry , MIS for automated picking p of the data by the dashboard	Notes	Projected Medium Term outcome	Outcome Indicator to be tracked	Frequency of monitoring the outcome Indicator (Quarterly/ Annually)	Annual Target	Quarterly break up (If applicable of annual targets)	Data source (link) of Ministry , MIS for automated picking p of the data by the dashboard	Notes
4.2.6.4	National Project on Management of Soil health and Fertility	450.00	Collection & analysis of 126 lakh soil samples	Collection	Q1: 47.79 Q2 30.57 Q3 20.59 Q4 25.23	Proposed indicator: No of samples collected and analysed in lakh.	Reducing the distorted use of nutrients and achieve balanced application of nutrients on 160350 ha					Q1: 47.79 Q2 30.57 Q3 20.59 Q4 25.23	Proposed indicator: No of samples collected and analysed in lakh.	Reducing the distorted use of nutrients and achieve balanced application of nutrients on 160350 ha
Analysis				Q1: 8.84 Q2 15.03 Q3 30.58 Q4 44.80	Q1: 8.84 Q2 15.03 Q3 30.58 Q4 44.80									
			Distributiof 700 lakh Soil health Cards		Q1: 11.11 Q2: 18.47 Q3 69.93 Q4 111.72	Proposed indicator No of soil health cards distributed (in lakh) data given at http://soilhealth.dac.gov.in	Economy of fertilizer application .					Q1: 11.11 Q2: 18.47 Q3 69.93 Q4 111.72	Proposed indicator No of soil health cards distributed (in lakhs) data given at http://soilhealth.dac.gov.in	Economy of fertilizer application.

			Capacity Building training 583		Q1 No training components proposed. Q2 Nil Q3 Q4	Proposed indicator: No of capacity building trainings conducted / No of persons trained not reported on DB mentioned in the e-learning						Q1 No training components proposed Q2 : Nil	Proposed indicator: No of capacity building trainings conducted / No of persons trained not reported on DB mentioned in the e-learning	
--	--	--	--------------------------------	--	---	--	--	--	--	--	--	--	--	--

Annexure-XII

**Green Revolution : National Project on Management of Soil Health and Fertility (CSS)
Quarter-wise Output and Outcome**

Financial outlay (Rs. in crore)	Outputs 2018-19			Outcomes 2018-19																																
	Output	Indicator(s)	Target 2018-19	Outcome	Indicator(s)	Target 2018-19																														
2018-19 407.84	Improved soil and fertiliser testing facilities with necessary human and technical capacity for improving soil health	1.1.No of Soil Testing Labs/ Mobile Soil Testing Labs / Strengthened /Add -60	60 <table border="1"> <tr><th>Qtr</th><th>Tgt</th><th>Ach</th></tr> <tr><td>1</td><td>15</td><td>54*</td></tr> <tr><td>2</td><td>15</td><td>98\$</td></tr> <tr><td>3</td><td>15</td><td>79\$\$</td></tr> <tr><td>4</td><td>15</td><td>0</td></tr> </table>	Qtr	Tgt	Ach	1	15	54*	2	15	98\$	3	15	79\$\$	4	15	0	1.Enhanced Soil and fertilizer testing capacity	1.1 Additional 6 lakh soil samples per annum testing capacity (in terms of samples per annum) added due to new additions/ strengthening	6 lakh samples / annum <table border="1"> <tr><th>Qtr</th><th>Tgt</th><th>Ach</th></tr> <tr><td>1</td><td>1.50</td><td>1.72</td></tr> <tr><td>2</td><td>1.50</td><td>2.60</td></tr> <tr><td>3</td><td>1.50</td><td>1.97</td></tr> <tr><td>4</td><td>1.50</td><td>0</td></tr> </table>	Qtr	Tgt	Ach	1	1.50	1.72	2	1.50	2.60	3	1.50	1.97	4	1.50	0
Qtr		Tgt	Ach																																	
1		15	54*																																	
2	15	98\$																																		
3	15	79\$\$																																		
4	15	0																																		
Qtr	Tgt	Ach																																		
1	1.50	1.72																																		
2	1.50	2.60																																		
3	1.50	1.97																																		
4	1.50	0																																		
1.2 No of Fertilizer QC Labs strengthened/ add- 15	15 <table border="1"> <tr><th>Qtr</th><th>Tgt</th><th>Ach</th></tr> <tr><td>1</td><td>5</td><td>10**</td></tr> <tr><td>2</td><td>5</td><td>1@</td></tr> <tr><td>3</td><td>3</td><td>12#</td></tr> <tr><td>4</td><td>2</td><td>07@@</td></tr> </table>	Qtr	Tgt	Ach	1	5	10**	2	5	1@	3	3	12#	4	2	07@@	1.2 Additional per annum fertilizer testing capacity (in terms of samples per annum)) added due to new additions/ strengthening -60000 samples/annum	60,000 samples per annum <table border="1"> <tr><th>Qtr</th><th>Tgt</th><th>Ach</th></tr> <tr><td>1</td><td>20000</td><td>10000</td></tr> <tr><td>2</td><td>20000</td><td>4000</td></tr> <tr><td>3</td><td>12000</td><td>18000</td></tr> <tr><td>4</td><td>8000</td><td>7000</td></tr> </table>	Qtr	Tgt	Ach	1	20000	10000	2	20000	4000	3	12000	18000	4	8000	7000			
Qtr	Tgt	Ach																																		
1	5	10**																																		
2	5	1@																																		
3	3	12#																																		
4	2	07@@																																		
Qtr	Tgt	Ach																																		
1	20000	10000																																		
2	20000	4000																																		
3	12000	18000																																		
4	8000	7000																																		
1.3 Total Number of soil health card distributed	600 lakh (fig in lakh) <table border="1"> <tr><th>Qtr</th><th>Tgt</th><th>Ach</th></tr> <tr><td>1</td><td>150</td><td>245.49</td></tr> <tr><td>2</td><td>150</td><td>118.10</td></tr> <tr><td>3</td><td>150</td><td>145.60</td></tr> </table>	Qtr	Tgt	Ach	1	150	245.49	2	150	118.10	3	150	145.60	1.3 Total number of soil samples collected and analyzed.	Total Target 127 lakh <table border="1"> <tr><th>Qtr</th><th>Tgt</th><th>Ach</th><th></th></tr> <tr><td></td><td></td><td>Collected</td><td>Tested</td></tr> <tr><td>1</td><td>31.75</td><td>33.79</td><td>8.29</td></tr> <tr><td>2</td><td>31.75</td><td>90.04</td><td>61.32</td></tr> </table>	Qtr	Tgt	Ach				Collected	Tested	1	31.75	33.79	8.29	2	31.75	90.04	61.32					
Qtr	Tgt	Ach																																		
1	150	245.49																																		
2	150	118.10																																		
3	150	145.60																																		
Qtr	Tgt	Ach																																		
		Collected	Tested																																	
1	31.75	33.79	8.29																																	
2	31.75	90.04	61.32																																	

			3	1.25	550			
			4	1.25	5280			

Participation of personnel for trainings : Soil Chemist Trg (20 pers) Farmers Trg (30 farmers), Staff Trg (20 pers), Farmers Mela (100 farmers)

Q-1 @ 551 number of farmers training, 223 No of training of soil chemist and 435 No of STL Staff training.

Q 2 # 22 Farmers Training, 24 Number of training for soil chemist and 61 number of Staff training.

Q 3 ** 77 Farmers Training, 30 Soil Chemist Trainings, 47 STL Staff Training and 235 Farmers Mela.

Q4: & 43 farmers training, 28 Soil Chemist Training 62 Staff Training and 217 Farmers Mela.

Annexure-XIII

Green Revolution : National Project on Management of Soil Health and Fertility (CSS)

Financial outlay (Rs. in crore)	Outputs 2019-20			Outcomes 2019-20		
	Output	Indicator(s)	Target 2019-20	Outcome	Indicator(s)	Target 2019-20
333.95	Improved soil and fertiliser testing facilities with necessary human and technical capacity for improving soil health	1.1.No of Soil Testing Labs/ Mobile Soil Testing Labs / Strengthened /Add -260	260	1.Enhanced Soil and fertilizer testing capacity	1.1 Additional per annum soil 6 lakh samples/annum testing capacity (in terms of samples per annum) added due to new additions/ strengthening	9 lakh samples / annum
		1.2 No of Fertilizer QC Labs strengthened/ add-70	70		1.2 Additional per annum fertilizer testing capacity (in terms of samples per annum)) added due to new additions/ strengthening - 60000 samples/annum	60,000 samples per annum
		1.3 Total Number of soil health card distributed	630 lakh cards		1.3 Total number of soil samples to be collected and analyzed.	126 lakh
		1.4 Total number of capacity building training sessions to be completed	1850 *	2.Increased capacity of farmers and	2.1Number of STL/ Extension workers/Farmers/field staff to	72000 * personnel will benefitted.

				functionaries	be trained.	
		1.5 Area covered under promotion and disitribution of micronutrients.	5 lakh ha			

Note : * 100 Soil Chemists trainings x 20 participants/trg ; 700 Farmers training x 30 participants/trg
700 Extension staff training x 20 participants/trg ; 350 Farmers mela x 100 participants/ mela

Section 4

Technical Proposal Forms

LETTER OF PROPOSAL SUBMISSION

Location:

Date:

To,

The Deputy Secretary (INM)
Ministry of Agriculture & Farmers Welfare,
Room No. 233, Krishi Bhawan,
New Delhi -110001.

Dear Sir / Madam,

We the undersigned, offer to provide the Consultancy assignment / job for Impact Evaluation of Centrally Sponsored Schemes (CSS) – Soil Health Card (SHC) and Soil Health Management (SHM) being implemented from the year 2014-15 onwards in accordance with your Request for Proposal dated (Insert Date). We have uploaded our proposal online and are hereby submitting hard copies of the same, which includes this technical Proposal, and a Financial Proposal sealed under a separate envelope and requisite EMD. We hereby declare that all the information and statements made in this Proposal are true and accept that any misinterpretation contained in it may lead to our disqualification.

We understand you are not bound to accept any Proposal you receive.

Yours sincerely,

Authorized signature (in full and details):

Name and Title of Signatory:

Name of Firm/entity:

Address:

CONSULTANT'S ORGANISATION AND EXPERIENCE

A- Consultant's Organization

(Provide here a brief description of the background and organization of your firm/institution/entity and each associate for this assignment/job. The brief description should include ownership details, date and place of incorporation of the consultancy (attach certificate), objectives of the consultancy etc. Also if the consultant has formed an Association, details of each member of the Association, name of lead members etc. shall be provided).

1. General Information

1.1 Information about the Consultancy (s)

Name
Address
Telephone Number
Fax Number
Email Address

1.2 Size of the Consultancy(s)

Provide turn-over figures and employee strength for the last three financial years.

1.3 Geographic Presence

Provide geographical spread of your firm/entity, especially presence in different regions in India

B- Consultant's Experience

2.1 Specific experience of Programme Evaluation with Central Government, State Government.

(Using the format below provide information on each assignment for which your consultancy have provided support to program evaluation as required under this assignment. In case, the information required by MoA & FW is not provided by the consultant, MoA & FW shall proceed with evaluation based on information provided and shall not request the consultant for further information. Hence, the responsibility for providing information as required in this form lies solely with the consultant.)

Please cite only maximum 3 relevant projects. If more than 3 projects citations are provided, only the first three will be considered for the purpose of evaluation (Max 9 marks).

2.2 Experience of working with Central Government and State Government on Soil Health Card, Soil Testing, Balanced use of Fertilizers and Integrated Nutrient Management related projects.

(Using the format below provide information on each assignment for which your consultancy have provided consultancy support to Soil Health Card, Soil Testing, Balanced use of Fertilizers and Integrated Nutrient Management as required under this assignment. In case, the information required by MoA & FW is not provided by the consultant, MoA & FW shall proceed with evaluation based on information provided and shall not request the consultant for further information. Hence, the responsibility for providing information as required in this form lies solely with the consultant.)

Please cite only maximum 3 relevant projects. If more than 3 projects citations are provided, only the first three will be considered for the purpose of evaluation (Max. 9 marks).

2.3 Specific experience of working with International organizations

(Using the format below provide information on each assignment for which your consultancy have provided support to program evaluation as required under this assignment. In case, the information required by MoA & FW is not provided by the consultant, MoA & FW shall proceed with evaluation based on information provided and shall not request the consultant for further information. Hence, the responsibility for providing information as required in this form lies solely with the consultant.)

Please cite only maximum 2 relevant projects. If more than 2 projects citations are provided, only the first three will be considered for the purpose of evaluation (Max.7 marks).

Format for giving information in respect to 2.1 to 2.3 above -

Assignment Name:	Approx. value of the contract (In Indian Rupees) : (Mention contract value in INR or provide range values: Upto Rs. lakh, Rs lakh, Rs Cr, Rs Cr. To Cr. > Cr.
Country Location within the country	Duration of assignment (months):.....
Name of the Employer:	Total no. of staff-months of the assignment:
Address:	Approx. value of the services provided by your consultancy under the contract: (In INR):
Start Date(month/year) Completion date (month/year):	No. of professional staff-months provided by associates Consultants:
Name of associated Consultants, if any:	Name of senior professional staff of your consultancy involved and functions performed
Narrative description of Project:	
Description of actual services provided by your staff within the assignment:	

COMMENTS AND SUGGESTIONS ON THE TERMS OF REFERENCE

A – On the Terms of Reference

(Suggest and justify here any modifications or improvement to the Terms of Reference you are proposing to improve performance in carrying out the assignment/job (such as deleting some activity you consider unnecessary, or adding another, or proposing a different phasing of the activities). Such suggestions should be concise and to the point.

B- On Inputs and Facilities to be provided by the Employer

The Employer would render necessary support in terms of information/discussions/documents/ field visits/ coordination with other agencies and logistics, wherever considered necessary in completion of the Project. The employer will interact with the Consultant for exchange of documents/ information and discussion

DESCRIPTION OF APPROACH, METHODOLOGY, WORK PLAN, PROJECT ORGANIZATION FOR PERFORMING THE ASSIGNMENT/JOB

Technical approach, methodology, work plan, project organization are key components of the Technical Proposal. The Consultant must present his/her Technical Proposal divided into the following four components:

- a) Technical Approach and Methodology (Max. 15 marks)
- b) Work Plan, and (Max. 25 marks)
- c) Project organization and availability of experts (Max. 10 marks)

a) **Technical Approach and Methodology:** In this section, the consultants should explain their understanding of the objectives of the assignment/ job, approach to the assignment/job, methodology for carrying out the activities (including proposed research design) and obtaining the expected output, and the degree of detail of such output. The consultants should highlight the problems being addressed and their importance, and explain the technical approach they would adopt to address them. The consultants should also provide an overview of tools and methodologies that they propose to adopt for evaluation.

b) **Work Plan:** The consultant should propose and justify the main activities of the assignment/ job, their content and duration, phasing and interrelations, milestones (including interim approvals by the Employer), and key performance indicators. The proposed work plan should be consistent with the technical approach and methodology, showing understanding of the TOR and ability to translate them into a feasible working plan. A list of the deliverable outcomes should be included here. More specifically,

- Highlight how you would proceed to meet the project requirements,
- Highlight numbers of hours you estimate are required to complete the work,
- Propose number of resources for providing these services,
- Highlight tools and methodologies to be used for this effort, and
- How would you manage the complexity of the project

c) **Project organization and availability of experts:** The consultant should propose and justify the structure and composition of his/ her team. He/ she should list out the main disciplines of the assignment/ job, the key expert responsible, and proposed technical and support staff. More specifically, please provide an overview on senior leadership coverage and commitment.

Name of Assignment/ job or project:

Year:

Location:

Main project features:

Positions held:

Activities performed:

14. Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience. I understand that any willful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Date:

Place:

[Signature of staff member or authorized representative of the staff]

[Full name of authorized representative]:

WORK SCHEDULE

S. No.	Activity Months			Total Months
	1	2	3	
1				
2				
3				
4				
5				
6				
7				
8				

Note:

1. Indicate all main activities of the Assignment/job including delivery of reports (e.g., inception, interim, draft and final reports), and other benchmarks such as Employer approvals. For phased assignment / jobs indicate activities, delivery of reports, and benchmarks separately for each phase.
2. Duration of activities should be indicated in the form of a Bar chart.

**INFORMATION REGARDING ANY CONFLICTING ACTIVITIES AND
DECLARATION THEREOF**

Are there any activities carried out by your consultancy which are of conflicting nature as mentioned in para 4 of Section 2. If yes, please furnish details of any such activities. If no, please certify as follows:

We hereby declare that our consultancy is not indulged in any such activities which can be termed as the conflicting activities under para 4 of the Section 2. We also acknowledge that in case of misrepresentation of the information, our proposals / contract shall be rejected / terminated by the Employer which shall be binding on us.

Signature [in full and initials] of Authorized signatory:

Name and Title of Signatory:

Name of Consultancy agency:

Address:

Section- 5

Financial Proposal Forms

Financial Proposal Submission Form

Location

Date

To,

The Deputy Secretary (INM)
Ministry of Agriculture & Farmers Welfare,
Room No. 233, Krishi Bhawan,
New Delhi -110001.

Dear Sir,

We, the undersigned, offer to provide the consultancy assignment/ job for Impact Evaluation of Centrally Sponsored Scheme (CSS) – Soil Health Card (SHC) and Soil Health Management (SHM) being implemented from the year 2014-15 onwards in accordance with your Request for Proposal dated [Insert Date]. Our attached Financial Proposal is for the sum of [Insert amount(s) in words and figures]. This amount is inclusive of all taxes and duties. We hereby confirm that the financial proposal is unconditional and we acknowledge that any condition attached to financial proposal shall result in rejection of our financial proposal.

Our Financial Proposal shall be binding upon us subject to the modifications resulting from Contract negotiations, up to expiration of the validity period of the Proposal (as given in para 8 of Section 2 i.e. **Instruction to the Consultant**).

We understand you are not bound to accept any Proposal you receive.

Yours sincerely,

Signature [In full and initials] of Authorized signatory:

Name and Title of Signatory:

Name of Consultancy:

Address:

Summary of Costs

S. No.	Particulars	Amount in Indian Rupees(In words)	Amount in Indian Rupees (In figures)
1	Remuneration		
2	Reimbursables		
3	Miscellaneous expenses		
4	Taxes and Duties		
5	Total		

Authorized Signature:
Name:
Designation:
Name of firm/entity:
Address:

Section 6

Other Terms and Conditions

Other Terms and Conditions

1. The other general terms and conditions applicable to each assignment under this scheme will be :
 - (i) The assignment should be completed within the time stipulated in the agreement. Delay in submission of the report beyond the stipulated time will attract penalty to be decided by DAC&FW or non-extension of agreement. For factors beyond the control of the institution given the assignment, suitable extension in time may, however, be granted at the request of the institution.
 - (ii) The Government shall not pay any extra amount for any escalation in the cost of the assignment beyond the time period stipulated in the agreement.
 - (iii) The total fee for the study as agreed with the organization will include service tax and other tax, if any, and the liability of payment of the tax will be the Institution conducting the study.
 - (iv) 50 hard copies of the final report, along with 50 hard copies of the executive summary and CDs containing the final report shall be submitted before releasing the final installment of payment.
 - (v) During the assignment period Government may modify the TOR and other terms and conditions of the assignment, if necessary, in order to strengthen / deepen its scope / coverage.
 - (vi) The draft/final reports and the contents thereof would be the intellectual property of the Government and would not be published by the institution concerned without prior approval of the Government.
 - (vii) In case of the change of consultant/team leader during the currency of study, the new consultant/team leader may be appointed by the Institution with the prior approval of the Ministry.
 - (viii) The raw data/processed data finding should not be disclosed by the Institution to any third party without prior approval of the Government.

2. Budget/Payment Schedule :

Schedule for release of payments will be as under:-

- (a) **First Installment :** 40% of the quoted fee on signing of the agreement shall be made at the time of acceptance of this proposal. However, as required under the provision of General Financial Rules of Government of India, the firm/agency is required to submit BG equivalent to the amount of advance.
- (b) **Second Installment:** 30% of the fees, subject to (a) submission of draft report including executive summary within the time from stipulated in the agreement and (b) a presentation on the draft report to be made before the DAC &FW at New Delhi and the draft report being found to be generally acceptable.
- (c) **Third and Final Installment:** Balance 30% on submission of the final report and a presentation on the report to be made before the DAC&FW at New Delhi and subject to acceptance.

3. Eligibility of consortium :

The invited agencies are allowed to include other organizations or individual not belonging to their firm in their core team for implementing the assignment.

- 4. That the Consultancy Organization will utilize the above amount only for the purpose for which it is sanctioned.
- 5. That the Consultancy Organization shall maintain a separate account of the money received for this purpose from the Department and have the final accounts audited by the Government Auditors (in case its accounts are subjected to audit by Comptroller & Auditor General of India) or by a Chartered Accountant. The accounting audition arrangement for the study will be the same as prevailing in respect of other Government consultancy projects undertaken by it.
- 6. The Consultancy Organization shall neither accept nor apply for financial assistance from any other source towards this study.
- 7. That the Consultancy Organization will not purchase or acquire any durable assets like photocopiers, computers, etc. out of the sanctioned amount.

8. That the Consultancy Organization also agrees to carry out the assignment with high professional standards of competence and integrity having due regards to the nature and purpose of the assignment and to ensure the staff assigned to perform the services under this Agreement will conduct themselves in a manner consistent therein.