

Rajasthan Agricultural Competitiveness Project

EXPRESSION OF INTEREST

FOR

To Engage Consultancy Agency to render Services for the preparation and implementation of Sub Plan of Ground Water Sub Component as part of Cluster Agricultural Competitiveness Plan (CACP)

Rajasthan Agricultural Competitiveness Project
Second Floor, SIAM Academic Block, Durgapura, Tonk Road, Jaipur-302018 (Rajasthan) INDIA
Telephone: 2554215 Fax : 01412554214 Email; pd@racpmis.com

REQUEST FOR EXPRESSION OF INTEREST (REOI)

Rajasthan Agricultural Competitiveness Project (RACP)

REOI No. RACP/PROC/CA/2015-16/2843

DATE: 27.10.2015

The Rajasthan Agricultural Competitiveness Project Management & Implementation Society (RACP-MIS) *has received* credit (Credit No.5085 IN) from World Bank towards the cost of RACP and intends to apply part of the proceeds for consultancy services.

The consulting services include for preparation and implementation of Sub Plan of **Ground Water Sub Component as part of Cluster Agricultural Competitiveness Plan (CACP)**, in coordination with NGO (to be engaged separately) in RACP Ground Water Clusters of three districts in Rajasthan for the period of three years. The details of EOI may be viewed and downloaded from Website of State Agriculture Department: www.agriculture.rajasthan.gov.in or www.krishi.rajasthan.gov.in.

The Rajasthan Agricultural Competitiveness Project Management & Implementation Society now invites eligible Consultancy Agencies to indicate their interest in providing the Services. Interested Consultancy Agencies should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services. The shortlisting criteria are: legal entity, financial capacity, staffing, and experiences of similar activities.

The attention of interested Consultancy Agencies is drawn to paragraph 1.9 of the World Bank's *Guidelines: Selection and Employment of Consultants [under IBRD Loans and IDA Credits & Grants] by World Bank Borrowers* [January 2011] ("Consultant Guidelines"), setting forth the World Bank's policy on conflict of interest.

Consultancy Agencies may associate with other Consultancy Agencies in the form of a joint venture or a sub consultancy to enhance their qualifications. Consultancy Agencies will be selected in accordance with the QCBS method set out in the Consultant Guidelines. Consultancy Agency may apply for one or more clusters out of total 3 (Three) provided they meet the eligibility requirement cited above and have adequate manpower for each of the cluster applied for. Consultancy Agency can be awarded consultancy for maximum two clusters but agreement will be executed for each cluster separately. The consultancy firms must provide information proving that they are qualified and competent to perform the services. The proposals should also contain information along with details in the format as provided in the web-site

Further information can be obtained at the address as given below [9:30AM to 6 PM excluding Saturdays, Sundays & Govt. Holidays].

Expression of Interest must be submitted in Room No. 207, 2nd Floor, Academic Bhawan, SIAM Campus, Durgapura, Tonk Road, Jaipur 302018 latest by November 24, 2015 by 15.00 PM.

**Project Director
RACP**

**Second Floor, Academic Block, SIAM Campus,
Durgapura, Jaipur-302018 (Rajasthan)
Phone: 01412554215 Fax: 0141-2554214
Email: pd@racpmis.com**

EOI- To Engage Consultancy Agency for RACP Ground Water Clusters

REQUEST FOR EXPRESSION OF INTEREST (REOI)

Brief Background Information

1. The Government of Rajasthan (GOR) is executing & implementing the World Bank assisted Rajasthan Agricultural Competitiveness Project (RACP) (Credit No. 5085-IN) in the state of Rajasthan.
2. Rajasthan Agriculture Competitiveness Project Management and Implementation Society (RACPMIS) is a registered Society which is implementing the World Bank funded Rajasthan Agriculture Competitiveness Project (RACP).
3. The Project Development Objective of the RACP is to establish the feasibility of sustainably increasing agricultural productivity and farmer incomes through a distinct agricultural development approach by integrating agriculture water management and agricultural technology, farmer organizations and market innovations in selected locations across the eight agro-ecological zones of Rajasthan.
4. The guiding principles under the project are: sustainable and efficient use of water resources, including improved on-farm water use efficiency, reduced water-intensive cropping patterns, and using the resultant savings of water from agriculture sector for economic purposes outside of agriculture in support of the state's water policy objectives; increased private sector participation in the development of value chains in processing and marketing in support of the state's agro-processing and agri-business policy; and improved public sector capacity in delivering agriculture support services.
5. Project activities will be undertaken in three selected areas, called Ground Water clusters, across the agro-ecological zones of Rajasthan. For each of these clusters the project will prepare a detailed Ground Water Sub Component as part of Cluster Agricultural Competitiveness Plan (CACP) centered around the key components of the project i.e. Water, Agriculture & Horticulture.
6. The Ground Water Sub Component as part of Cluster Agricultural Competitiveness Plan (CACP) will have a defined objective and proposed interventions and their monitoring. Ground Water Sub Component as part of Cluster Agricultural Competitiveness Plan (CACP) is to be prepared through a participative process involving all stakeholders of respective Cluster area. The Ground Water Sub Component planning process will result in a detailed project report including implementation plan, for the selected cluster. The RACP-MIS requires Consultancy Services for preparation and implementation of Ground Water Sub Component as part of Cluster Agricultural Competitiveness Plan (CACP) for the services briefly cited above. Each cluster will have a defined theme and demonstration objective. The relevant hydrological catchment area / command area will provide basis of water resource management activities. Each of the clusters will address sufficient quantity of cultivation for the lead commodity identified and selected for the "Value Chain Development (VCD)".
7. The Project Management Unit (PMU) invites Expression of Interest from the eligible Consultancy Agency to provide the services mentioned above for Ground Water department who will be Client for these clusters and Consultancy Agency will work directly under the close control & supervision of Ground Water Department (Client) under RACP. The contract period shall be till March 2019.

QUALIFICATION CRITERIA

1. The applicant Consultancy agency must be a legal entity registered in India under Company/ Trust/ Society Act and / or under the relevant regulation/ legislation with a registered office in India and must have been operational in India for at least past three years.
- 2a. The applicant Consultancy agency (Individual/Joint Venture) must have minimum annual turnover of INR 500.00 Lakh in any one year with minimum INR 300 Lakh per year in remaining two years of last three financial years as supported by Audited Statements.
- 2b. If any Consultancy agency is applying as joint venture (special purpose vehicle) then associated each Consultancy agency must have average annual turnover of INR 150 lakhs in last 3 years, and should be in existence at least for three years.
3. The applicant organization must have experience of:

Name of Cluster along with predominant water source	Eligibility Requirements
Pisangan groundwater cluster in Ajmer district.	1) Experience of successfully undertaken detailed hydrogeological surveys and their analysis, water budgeting, designing of groundwater hydraulic structures, construction of ground water hydraulic structures, implementation of ground water management activities along with; 2) Experience in community mobilization, capacity building, 3) Experience in agriculture, horticulture activities including crop-water budgeting, 4) Experience in construction of hydrological structures/ on-farm and off farm soil and water conservation measures, analysis of hydrological data and assessment of water resources availability along with experience of work on Digital image processing , Remote Sensing and GIS.
Sangod groundwater cluster in Kota district.	
Bonli groundwater cluster in Sawai-Madhapur district.	

4. The applicant organization should not have been Black listed by CAPART or Government of Rajasthan/ Government of India or any Donor Agency.
5. The applicant organization should preferably have experience of working in Rajasthan in the desired sector.

EOI- To Engage Consultancy Agency for RACP Ground Water Clusters

INSTRUCTIONS TO THE APPLICANTS

1. Applicant(s) must read all the "instructions to applicants" very carefully. Applicant(s) must submit its expression of interest (EOI) **strictly in the prescribed formats only**. *Experience of working in Rajasthan will have to be provided separately in the same format (in form nos. 07&08).*
2. The objective is to solicit EOI from eligible Consulting Agencies for consideration for short-listing.
3. This request for expression of interest (REOI) expressly intends to qualify the suitable submissions of expressions of interests for shortlisting exclusively on the basis of details and information furnished by the applicant(s) without being influenced by any other extrinsic factor.
4. Applicant(s) must note that this REOI does not intend to invite any curriculum- vitae (CV) of any professional or expert. Applicants should note that the EOI submitted should not contain any CV or any proposal for professionals with or without names in any way.
5. Applicant(s) must ensure that the EOI submitted should include only required documents, details, and information. In no case, there should be an attempt to make it a bulky document with undesired documents and other unwanted details. The project is not obliged to consider such details that are not related with this REOI.
6. Details of project(s)/past experience should be provided **strictly in the "Prescribed Format" along with supporting documents/ evidence substantiating the experience of the applicant(s).**
7. Applicant(s) must ensure that each page of the EOI submitted in the prescribed format as well as all enclosures and annexures are signed by **the duly authorized signatory of the applicant**. All signatures must be dated.
8. All witnesses and sureties shall be person of status and probity and their full names and addresses shall be stated below their signature. Applicant(s) must furnish the "Power of Attorney" in prescribed format for the authorized signatory specifying acts, deeds and things as may be necessary in connection with the EOI. The "Declaration" submitted by the applicant(s) must be in accordance with the prescribed form and must be signed by the authorized signatory with competent power of attorney.
9. Any Consulting Agency as Individual or as Joint Venture will be considered maximum for 2 (Two) clusters out of total 3 (Three), provided they meet the eligibility requirement cited above and have adequate manpower & qualification for each of the cluster applied for. The Consulting Agencies applying for more than one cluster must indicate their preference of cluster; however, the RACP has a right to decide the allocation of cluster at its own discretion.
10. Any Consulting Agency applying as Individual or as Joint Venture should have minimum three years' experience separately.
11. Consulting Agency can apply only cluster wise and EOI will be evaluated separately for each cluster.
12. The EOI submitted by Consulting Agencies for each cluster will be evaluated/ shortlisted on the basis of evaluation criteria's.
13. Applicant(s) may clarify their doubt(s) (if any) by contacting the authorized official(s) of the project communicating through telephone, facsimile or email.

EOI- To Engage Consultancy Agency for RACP Ground Water Clusters

Form No.- 01

APPLICANT'S EXPRESSION OF INTEREST

(Applicants- must submit their expression of interest (EOI) on official letter head of the organization with name of cluster applied for)

To,

**The Project Director
Rajasthan Agricultural Competitiveness Project (RACP),
Second Floor, Academic Block, SIAM Campus Durgapura, Jaipur-302018 (Rajasthan)**

Subject: RACP-Expression of Interest (EOI) to engage Consulting Agency.

Reference: Your Request for Expression of Interest (REOI) No. (*Insert EOI NO. here*) published on (*insert date*)

Dear Sir,

We (name of organization) intend to submit an expression of interest (EOI) Hiring of Services of Consultancy Agency for planning and implementation of Cluster Agricultural Competitiveness Plan (CACP) in Ground Water Clusters (*insert name of cluster(s)*) for the Rajasthan Agricultural Competitiveness Project (RACP) in response to the request for Expression of Interest (REOI) published on (*insert date here*).

We, the undersigned applicant, have read and examined in detail your solicitation of expression of interest (EOI). We are submitting our Proposal in association with [*Insert full name and address of associated Consulting Agency, if any*].

We are submitting all the required credentials/information as prescribed in your solicitation of EOI in prescribed formats.

We confirm that the information contained in this expression of interest or any part thereof, including its exhibits, and other documents submitted or to be submitted to RACP is true, accurate, verifiable and complete. This response includes all information necessary to ensure that the statements therein do not in whole or in part mislead the project in its short-listing process. If any of the information provided here is found to be misleading the short listing process or unduly favours our Consulting Agency in the short listing process, we are liable to be disqualified and rejection from the shortlisting.

We understand that this expression of interest is liable to be rejected from the shortlisting process if it is revealed that there exists any conflict of interests.

It is hereby confirmed that I/We are entitled to act on behalf of our Consulting Agency and empowered to sign this document as well as such other documents, which may be required in this connection.

Dated this, _____ Day of 2015

(Signature)

(*In the capacity of*)

Duly authorized to sign the EOI for and on behalf of
(Name and Address of Consulting Agency) Seal/Stamp

EOI- To Engage Consultancy Agency for RACP Ground Water Clusters

**Form No.- 02
POWER OF ATTORNEY**

FORMAT FOR POWER OF ATTORNEY FOR SIGNING OF EOI
(To be executed on Non Judicial Stamp paper of appropriate value)

Power of Attorney

Know all men by these presents, we(name and address of the registered office) do hereby constitute, appoint and authorize Mr / Ms.....(name and residential address) who is presently employed with us and holding the position of as our attorney, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our "EOI for Hiring of Services of Consultancy Agency for planning and implementation of Cluster Agricultural Competitiveness Plan (CACP) in identified Ground Water clusters "including signing and submission of all documents and providing information / responses, submission of expression of interest (EOI) to Rajasthan Agricultural Competitiveness Project (RACP), representing us in all matters before RACP, and generally dealing with RACP in all matters in connection with our EOI for the said Project.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

For -----

(signature)

(Name, Title and Address of the Attorney)

Note:

- (1) The mode of execution of the Power of Attorney should be in accordance with the procedure, laid down by the applicable law .***
- (2) Separate power of Attorney in case of associate NGO in favour of same signatory will be required.***

EOI- To Engage Consultancy Agency for RACP Ground Water Clusters

Form No.-03- PARTICULARS OF APPLICANT ORGANIZATION			
Name of Applicant Organization			
Address (Head Office and / or Registered Office)			
Phone Number(s)		FAX	
Email		WEBSITE	
Authorized Contact Person			
Name			
Designation			
Address			
Office Telephone Number(s)	Cellular(Mobile) Number(s)	FAX Number(s)	
Email		Website	
Engagement of Partner/ Associate Partner			
Partner Consulting Agency Name	Partner's Experience (No. of Years)	Period of Association With Applicant Consulting Agency (Years)	Brief Description of Capacity of Engagement/ Association

Applicant must furnish brief profile of the engagement partner/associate partner Consulting Agency including its post-qualification experiences and its roles and responsibilities in not more than 100 words.

EOI- To Engage Consultancy Agency for RACP Ground Water Clusters

Form No. -04 LEGAL STATUS			
Establishment/Incorporation Date (for applicant organization)			
Registration Authority	Date of Registration	Registration Number(s)/Reference	Registration Under Act/Rules/Provision
<i>Applicant must furnish the Memorandum of Association, legally valid Registration certificate issued by the competent authority and it must be annexed accordingly.</i>			
Service Tax Registration			
Registration No.	Registration Authority	Validity of Registration	Registration Certificate/Document
<i>Applicant must furnish the legally valid Service Tax Registration document (certificate etc.) issued by the competent authority and it must be annexed accordingly.</i>			
Income Tax			
PAN Number		Income Tax Authority (Circle)	
<i>Applicant must enclose the PAN number document.</i>			
FCRA Registration			
Registration No.	Registration Authority	Validity of Registration	Registration Certificate/Document

EOI- To Engage Consultancy Agency for RACP Ground Water Clusters

Form No. -05- ANNUAL FINANCIAL CAPACITY (TURNOVER) STATEMENT

(The Applicant(s) shall necessarily furnish details about its Annual Turnover for past three (03) years based on the Audited Annual Financial Statements)

Financial Year	ANNUAL TURNOVER (INR)		
	Applicant (Lead) Consulting Agency (Name _____)	Associate Partner Consulting Agency (Name _____)	Associate Partner Consulting Agency (Name _____)
2013-14			
2012-13			
2011-12			

1. Applicant(s) must enclose Certified Copy of Audited Annual Accounts and Annual Reports for the last Three (03) Financial Years ended on March 31, 2014,

2. Applicants, including each associate partner(s) Consulting Agency must furnish financial information supported by audited statements. Each applicant or partner Consulting Agency shall fill in this form. If necessary, use separate sheets to provide complete information.

Form No - 06 STAFFING STATUS*

Form No - 06 STAFFING STATUS*			
Permanent Staff			
Name	Qualification	Experience	Period of Association with organization
Part Time Staff			
Name	Qualification	Experience	Period of Association with organization

***Note:** Please indicate the staffing status of only those persons who are engaged in similar assignments / work.

EOI- To Engage Consultancy Agency for RACP Ground Water Clusters

Ground Water Clusters (Pisangan/ Sangod/ Bonli Ground Water Clusters)

Form No.-07 (GW)- On Going Assignments (Point No.3 of Qualification Criteria)					
Activity	Name of Client/ Organization	Period From - end date	Number of Assignments	Area	Details
1) Successfully undertaken detailed Hydrogeological surveys, it's analysis, digitization & work on GIS platform					
2) Water budgeting					
3) Designing of groundwater hydraulic structures,					
4) Construction of ground water hydraulic structures,					
5) Implementation of ground water management activities					
6) Community Mobilization a) CIG/FIG/SHG Formed b) PRA					
7) Facilitated the construction of Soil & Water conservation activities i.e. Farm Ponds, Contour/Field Bunds, WHS etc. (please specify, others as well)					
8) Crop Water Budgeting					
9) Capacity Building of Community a) Trainings organized b) Experience on IEC					

Form No.-08 (GW)- Assignments Completed During Past Three Years (Point No. 3 of Qualification Criteria)					
Activity	Name of Client/ Organization	Period From - To	Number of Assignments	Area	Details
1) Successfully undertaken detailed Hydrogeological surveys, it's analysis, digitization & work on GIS platform					
2) Water budgeting					
3) Designing of groundwater hydraulic structures,					
4) Construction of ground water hydraulic structures,					
5) Implementation of ground water management activities					
6) Community Mobilization a) CIG/FIG/SHG Formed b) PRA					
7) Facilitated the construction of Soil & Water conservation activities i.e. Farm Ponds, Contour/Field Bunds, WHS etc. (please specify, others as well)					
8) Crop Water Budgeting					
9) Capacity Building of Community a) Trainings organized b) Experience on IEC					
Brief Description of Experience (about 100 words only)					
<i>Applicant organization will necessarily furnish the documentary evidence (contract award letter) issued by the client clearly specifying terms & conditions of the contract along with the performance certificate.</i>					

EOI- To Engage Consultancy Agency for RACP Ground Water Clusters

Form No.-09 : DECLARATION BY THE APPLICANT

(Declaration must be on the official letter head duly signed by the authorized/competent signatory)

1. We hereby confirm that we (name of the applicant Organization) are interested in submission of our expression of interest (EOI) for the hiring of Consulting Agency for RACP.
2. We confirm that all information contained in this, Expression of Interest (EOI) and subsequently provided / clarified are in good interest and faith. All the information provided herewith is genuine and accurate.
3. We understand that this is not an agreement and is not an offer or invitation to enter into an agreement of any kind with any party.
4. We hereby confirm that our Consulting Agency is independent from the project and there is no Conflict of interest. We also confirm that our organization is completely independent of the entity (RACPMIS). Neither the Consulting Agency nor its Partners or Associates have any financial interest in the business of the RACPMIS.
5. We confirm that no partner of the organization or any qualified employee of the organization is related to any member of the Governing Body/Executive Committee/ or any of the senior management of the RACP-MIS and RACP. The term "Relative" here means husband, wife, brother, or sister, or any lineal ascendant or descendant.
6. We confirm that our organization has never been and is not under a Declaration of Ineligibility for corrupt or fraudulent practices or blacklisted by CAPART or with any of the Government agencies.
7. We confirm that in case of any further changes which affect this declaration at a later date; we would inform the project appropriately.

Dated this, Day of, 2015

(Signature)

(In the capacity of)

Duly authorized to sign the EOI for and on behalf of

(Name and Address of Consulting Agency) Seal/Stamp

LIST OF ENCLOSURES/ ANNEXURES

S. N.	Brief Description of Enclosure/Annexure	Enclosure/Annexure Reference Number	Page Number
1			
2			
3			

Applicant(s) must ensure that all documents submitted supporting any detail or information of this expression of interest must be listed with its title/brief description herein with specific enclosure/annexure number and page number.

Tentative scope of assignment – for information only

Brief Description of the Project:

1. Project Development Objective (PDO):

The proposed Project Development Objective (PDO) is to establish the feasibility of sustainably increasing agricultural productivity and farmer incomes through a distinct agricultural development approach by integrating agriculture water management and agricultural technology, farmer organizations and market innovations in selected locations across the ten agro-ecological zones of Rajasthan. The aim is for the state to help farmers get more rupees per unit of water in compensation for farmers using fewer units of water.

2. The guiding principles under the project are:

- (a) sustainable and efficient use of water resources, including improved on-farm water use efficiency, reduced water-intensive cropping patterns, and using the resultant savings of water from agriculture sector for economic purposes outside of agriculture in support the state's water policy objectives;
- (b) increased private sector participation in the development of value chains in processing and marketing in support of the state's agro-processing and agri-business policy; and
- (c) improved public sector capacity in delivering agriculture support services.

3. Project Beneficiaries

Primary beneficiaries are smallholder farmers with an actual or potential commercial outlook, brought together through collective action towards achieving economies of scale, e.g. water user groups i.e. Farmer's Organizations, canal water management communities, livestock herders/goat farmers, farmer producer organizations etc. of watershed/aquifer/command areas and villages of the cluster. In addition, secondary beneficiaries will comprise other farmers obtaining better access to water through improved groundwater recharge or better water distribution at the tail-end of command areas, as well as agricultural labourers through increased wages.

The project targets to sustainably increase the productivity of natural resources and farmer income through efficient surface as well as ground water management, crop management and animal husbandry practices as well as improved produce marketing. Project activities including planning and implementation of activities in RACP clusters in 16 districts of Rajasthan will be undertaken by the concerning line departments i.e. Watershed Development and Soil Conservation, Ground Water, Water Resources, Agriculture, Horticulture and Animal Husbandry Departments.

The details of clusters are as under:

S. No.	Name of Ground water Cluster	Panchayat Samitee	District	Total Effective Project Area (ha)
1.	Pisangan	Pisangan	Ajmer	25000
2.	Bonli	Bonli	Sawai - Madhopur	31000
3.	Sangod	Sangod	Kota	16500

Note: 1) Livestock related activities will not be implemented in Sangod and Bonli clusters,

4. PDO Level Results Indicators

Key performance indicators (KPIs) will measure (a) reduction in water used in agriculture; (b) increase in water use efficiency in agriculture; (c) increase in agricultural productivity; (d) increase in gross margins from crops and livestock products; (e) increase in the share of producer price in wholesale price; and (e) farmer satisfaction with project deliverables.

Intermediate Level Key Indicators are (a) Increase in ground water recharge; (b) Reduced siltation in the catchment; and (c) increasing the efficient use of conserved moisture.

Scope of Assignment

For regular activities, the Consultancy Agency shall be placed under the supervisory control of the Ground Water Department/District Project Management Unit (DPMU), RACP at the District level by the Project Management Unit-RACP. Under the project, Project Director, ATMA of the State Agriculture Departments have been designated as the District Project Manager (DPM) and his office as the DPMU for the concerned district.

Since, in any ground water cluster, there will be four participating line departments i.e. Ground Water, Agriculture, Horticulture and Animal Husbandry; therefore Consultancy Agency will have to extend its services for all the line departments including DPMU. The Consultancy Agency shall be responsible to form various types of groups at the village, Panchayat and cluster level. The Consultancy Agency shall also be responsible for the community mobilization to sensitize the local community toward the project objective and the program, IEC, training and capacity building of the community based organizations to be formed in the beginning of the project as per project guidelines.

For this, Consultancy Agency shall have to establish its office in the project area and suitable field level extension workers are to be deployed.

Although detailed scope of work to be made available in Terms of Reference (TOR) but following important activities, including others but not limited to, are to be performed by the Consultancy Agency at the cluster level:

- a. Ensuring Community Participation for the proposed interventions of the CACP; herein after referred in the document by including all the sub plans of eligible investments of project through participating line departments in the Ground Water Cluster;
- b. Social mobilization of farmers / producers having common interest around a particular commodity/field/ economic activity by organizing them into groups/CBOs, Producer Groups, Producers' Organization as per project guidelines. Identify & train community resources persons (CRPs) and progressive farmers, widows/ divorcee and/or handicapped from the selected cluster.
- c. Awareness campaigning through individual contacts and small group meetings, organizing mass awareness meetings, community envisioning & vision validation etc.
- d. Regular assistance to the DPMU concerned and all the participating line departments in organizing trainings for the communities for soil and water conservation, improving water use efficiency, market led production, increasing productivity, livestock based communities to improve good breeding & husbandry practices and management of improved livestock quality improvement & marketing techniques;
- e. Undertake base line survey, its digitization and analysis of the cluster for socio economic status.
- f. Undertake social mapping using PRA techniques and tools.
- g. Up keeping the liaison with the local PRIs particularly on community related issues.
- h. Assess cluster specific training & capacity building requirements, design of training courses, preparation of training plan, training modules, identify subject matter specific resource persons / institutes.
- i. Assist in organizing exposure visits/study tours.
- j. Assist in identifying the farm plots for setting up of demonstrations of the agriculture and horticulture crops including adoption support & post-harvest management (PHM), fodder/fodder tree; silvi pasture development & other animal husbandry practices.
- k. Assist in organizing animal health camps, at the village level, as per requirement.
- l. Assist the project/line departments in development & management of silvi-pasture on community lands through Users/PRIs and establishing / formulating usufruct rights from the common pasture lands in consultation with the local Panchayat and communities;
- m. Assist the groups and its federations to access diversified markets; inputs and service delivery systems.

- n. Assist the establishment and management of small ruminant Rural Haats and Regional Technology Centers (RTC) in the cluster area.
- o. Formulating sustainable management and maintenance plan of common pasture lands in consultation with the local Panchayat and communities; this would include, among others, gap filling, watering, maintenance of appropriate fencing; user charges; watch and ward etc.
- p. Development of strategies and implement the creation of sustainable fund as per the operational guidelines.
- q. Preparation and implementation of Cluster Agricultural Competitiveness Plan (CACP) including
 - i. Ground Water Management Strategy including Hydro geological survey during Pre-Monsoon, Post-Monsoon and Post-Irrigation periods and collect & collate information pertaining to the Geology, Hydrogeology, Geophysics, Geochemical etc.;
 - ii. Carry out assessment of annual ground water resources availability using long term hydro metrological data & fluctuation data for current year pre-Monsoon & Post-Monsoon water levels on the basis of GEC¹ guidelines.
 - iii. Select one representative well on one sq. km grid for monthly water level monitoring. Consultancy Agency will identify the gaps and deficiencies where no representative wells available. Piezometers will be installed to fulfill this gap.
 - iv. Define pre-existing groundwater condition which will be based on the detailed analysis of availability and usages of the ground water for drinking, domestic and agriculture purposes and prepare complete detailed ground water management plan, which include Cluster Specific Groundwater Management Strategy (CSGMS) keeping in view the sustainable use and management of the groundwater resources for various agricultural and other related purposes by the participating farmers and their groups over a meaningful period and approaches initiatives at the community level in order to help the community to get involved in addressing the critical issues themselves;
 - v. Map the existing methods of irrigation (flood irrigation, drip, sprinkler etc.) from various existing water sources, area covered under irrigation, existing demand;
 - vi. Develop at least three scenarios to add Farm ponds in the individual farm to augment the available surplus Rain water with or without lining in order to strike the optimum water availability for Rabi season for the respective scenarios with regard to the existing water resources commitment of the downstream.
 - vii. Assess the number and types of Artificial Recharge Structures proposed to be constructed at the community level to augment the available surplus water into the Aquifer using surface and sub-surface recharge methods best suited after identifying groundwater problems and specific physical activity for a particular area in the cluster;
 - viii. Consultancy Agency will design the hydrological monitoring network, this would include, among others, (i) site selection; (ii) establishment of automated weather stations; including drawings and cost estimates and other related documents based on the technical criteria, design specifications.
 - ix. Promote the community to paradigm shift in considering groundwater as a common property resource that is defined by the aquifer boundaries and is not controlled by individual land holdings;
 - x. Support in designing market and value chain strategy to enable farmers to engage in profitable market oriented production and market linkages with other value chain participants etc.
 - xi. Consultancy Agency will create database of the all components and subcomponent of the projected cluster area using GIS environment in ARC-Info software and prepare various thematic layers on 1:4000 scale and consolidated on 1:10000 scale required for preparation and Implementation of CACP.
 - xii. The Ground Water Sub Component as part of CACP will enlist all investments needed in the cluster for agriculture, horticulture, livestock, water investments, and the prioritized value

¹Groundwater Estimation Committee

chains – as per the above classification of investments; prepare investments needed, along with technical write-up of these investments with the support of Implementation Agencies of Line Departments. The CACP will include detailed cost-tables (along with year-wise phasing) for each and every element reflecting any investment of the project funds.