

Expression of Interest

GOVERNMENT OF ODISHA DEPARTMENT OF WATER RESOURCES

Odisha Integrated Irrigation Project for Climate Resilient Agriculture (OIIPCRA)
Plot No-A-8/2, Bhoi Nagar, Beside RTO Office, Bhubaneswar-751 002, Odisha, India

Engagement of Consultant

for Baseline Survey, Social and Environmental Assessment and
preparation of Environment & Social Management Framework (ESMF)

EOI No: OIIPCRA-03/2017-18

Date: 18/10/2017

The Government of Odisha in partnership with Government of India will implement World Bank assisted project namely “OIIPCRA” with comprehensive basin plan and treatment of Minor & Medium Irrigation Projects covering irrigation command of 90,000 ha in the following river basin and sub-basins of Odisha. The upcoming project envisages inter linking of MIPs and Tanks as a part of Water Resource Network and pilot automation with Water budgeting. The project will ensure complete renovation and restoration of Irrigation projects to be taken up. It is expected to benefit around 2.00 lakh household as direct beneficiaries or more than 10.00 lakh rural inhabitants.

The project will be executed through Odisha Community Tank Development & Management Society (OCTDMS) which is the Special Purpose Vehicle (SPV) for this project. The work has been divided to be taken up in three different zones as under:

1 Jurisdiction of Zones:

- a) Zone-I: Projects under Rushikulya basin.
- b) Zone-II: Projects under Tel sub-basin.
- c) Zone-III: Projects under Baitarani and Budhabalanga basin.

2 The objectives of the Consultancy Assignment are as follows:

2.1 Baseline Study and social assessment (All projects – Zone wise):

- 2.1.1 Undertake survey to generate baseline information on all the key indicators.
- 2.1.2 Questionnaires and formats for this survey.
- 2.1.3 The methodology regarding coverage and sampling strategy of project tanks

2.2 Social Assessment study (All tanks):

- 2.2.1 Undertake beneficiary assessment, stakeholder analysis.
- 2.2.2 Identifying impact assessment
- 2.2.3 Analyse key social risks.
- 2.2.4 Analyse Tribal People and Gender Planning.
- 2.2.5 Suggest appropriate alternate institutional arrangements
- 2.2.6 Develop indigenous people development plan (IPDP)

- 2.2.7 Assess differential impacts of the project benefits.
- 2.2.8 Establish a baseline.
- 2.3 **Environmental assessment (selected projects):**
 - 2.3.1 To undertake study w.r.t. water storage and supply, drainage, restoration of natural habitats, siltation/ sedimentation, pest-management, water logging, bio-diversity, fishing and aquatic weeds.
 - 2.3.2 Study of soil organic carbon, GHG emissions from crop-production system, use of chemical fertilisers and pesticides.
 - 2.3.3 Impact of natural hazard risk assessment w.r.t climate change projections.
 - 2.3.4 Study of dam safety review and a draft environmental monitoring and management.
- 2.4 **Preparation of ESMF:**
 - 2.4.1 Keeping in view of key environmental issues, that need to be addressed based on consultations with various primary and secondary stake holders, a detailed environmental management frame work to be prepared for implementation of the same on given phases of project cycle.

This assignment of ESMF for the Project cycle will be undertaken by the consultants to be engaged for **Rushikulya Zone**.

3 Eligibility Criteria:

- 3.1 Agency should be a registered organization / company with minimum **5 (Five) years** of existence in the relevant field.
 - 3.2 Average annual turnover in last three years should not be less than **Two Crores INR**.
 - 3.3 Agency should have successfully executed similar nature of assignments for:
 - a) At least one project where base line assessment has been taken up in water resources/ agriculture or similar field.
 - b) At least one project on social and environmental assessment.
 - c) At least one project on preparation of ESMF on Water Resources project.
 - d) Experience in Climate Resilience in Agriculture and Water sector desirable
 - 3.4 Prior experience of working with donor agency like The World Bank, ADB, etc. in Agriculture and Climate Change sector will be preferred.
 - 3.5 Qualified full-time staff members as part of the core team to undertake the assignment (signed CV) to be submitted as indicated in ToR.
 - 3.6 Organization having prior experience of working with Government, bi-lateral and multilateral agencies and requisite infrastructure will be preferred.
 Agency may submit a statement indicating any short closure of earlier contract or any abandoned contract. The employer reserves the right to exclude any consulting firm from shortlisting whose past performance is not up to the mark.
- 4** The firms will be selected in accordance with the latest procedure set out in the World Bank guidelines: Selection and employment of consultants by Bank borrowers.

- 5 Consultants are free to participate in bidding process for all the three Zones. But consultancy services for any one firm will be awarded to any of only **one zone** i.e. one firm will be awarded to take of assignment for one zone only.
- 6 Expression of Interest by interested consultant must be delivered to the Address below not later than 15.00 hrs on 21/11/2017 and will be opened at 15.30 hrs on same day.

Office Name: **Odisha Integrated Irrigation Project for Climate Resilient Agriculture (OIIPCRA)**

Office Address: Project Director, OIIPCRA-cum-Special Secretary to Govt., DoWR
Plot No-A-8/2, Bhoi Nagar
Beside RTO Office, Bhubaneswar
Pin-751 022

Contact Person: Manager-Procurement

Telephone: 0674-2542252

**Project Director, OIIPCRA
-cum-Special Secretary to Govt., DoWR**

Terms of Reference

Zone-I (Rushikulya Basin)

1 Background

The Government of Odisha in partnership with Government of India will implement World Bank assisted project namely “OIIPCRA” with comprehensive basin plan and treatment of Minor & Medium Irrigation Projects covering irrigation command of 90,000 ha in the Rushikulya, Baitarani, Budhabalanga river basin and Tel sub-basin of Odisha. The upcoming project envisages inter linking of MIPs and Tanks as a part of Water Resource Network and pilot automation with Water budgeting. The project will ensure complete renovation and restoration of Irrigation projects to be taken up. It is expected to benefit around 2.00 lakh household as direct beneficiaries or more than 10.00 lakh rural inhabitants.

The project will be executed through Odisha Community Tank Development & Management Society (OCTDMS) which is the Special Purpose Vehicle (SPV) for this project.

2 Assignment Objective

Objective of the Assignment is to conduct and prepare,

- 2.1 Base line and Social survey for all projects proposed to be taken up under OIIPCRA in **Rushikulya Basin**. List of likely indicators is given in the **APPENDIX-A**.
- 2.2 Environmental assessment for selected projects in **Rushikulya river basin**.
- 2.3 Preparation of ESMF for the entire project i.e. Rushikulya, Baitarani, Budhabalanga basin and Tel sub-basin.

3 Detailed Outline of the tasks to be undertaken (ToR):

3.1 Base Line Study:

- 3.1.1 The agency shall undertake a survey to generate baseline information on all the key indicators to be tracked during the project.
- 3.1.2 Questionnaires and formats for this survey should be prepared within one month of award of contract to the consultant, pre-tested in the field, and cleared with the SPU prior to any actual data collection effort.
- 3.1.3 The methodology regarding coverage and sampling strategy of project tanks, villages, farmer groups and farmers should be developed keeping in mind the representativeness of all categories (geographic; agro-climatic; tank size; head, middle-and tail- end farmers; fisher folk and other stakeholders in tank areas; gender; tribal groups; and other relevant socio-economic criteria) as well as statistical validity, and agreed between the SPU and the consultant agency.
- 3.1.4 The agency shall also collect data on various indicators from relevant “control sites” which will be used to assess the (incremental) impact of project interventions vis-à-vis generic growth influences over time.

3.2 Social Study:

- 3.2.1 Undertake beneficiary assessment, stakeholder analysis.
- 3.2.2 Identifying impact assessment
- 3.2.3 Analyse key social risks.
- 3.2.4 Analyse Tribal People and Gender Planning.
- 3.2.5 Suggest appropriate alternate institutional arrangements
- 3.2.6 Develop indigenous people development plan (IPDP)
- 3.2.7 Assess differential impacts of the project benefits.
- 3.2.8 Establish a baseline.

3.3 Environmental Assessment (Selected Projects):

- 3.3.1 To undertake study w.r.t. water storage and supply, drainage, restoration of natural habitats, siltation/ sedimentation pest management, water logging, bio-diversity, fishing, aquatic weeds.
- 3.3.2 Study of soil organic carbon, GHG emissions from crop-production system, use of chemical fertilisers and pesticides.
- 3.3.3 Impact of natural hazard risk assessment w.r.t climate change projections.
- 3.3.4 Study of dam safety review and a draft environmental monitoring and management.

List of likely indicators is given in the APPENDIX A.

3.4 Preparation of ESMF:

This assignment of ESMF for the Project cycle will be undertaken by the consultants to be engaged for Rushikulya Zone.

- 3.4.1 The consultant will prepare ESMF for the project as a whole combining the data of Rushikulya basin, Budhabalanga basin, Baitarani basin and Tel sub-basin to be received from the respective consultants engaged in Tel, Baitarani & Budhabalanga.
- 3.4.2 Keeping in view of key environmental issues, that need to be addressed based on consultations with various primary and secondary stake holders, a detailed environmental management frame work to be prepared for implementation of the same on the given phases of project cycle.

4 Qualification of Agency

- 4.1 Agency should be a registered organization/ company with minimum **5 (Five)** years of existence in the relevant field.
- 4.2 Average annual turnover in last three years should not be less than **Two Crores INR**.
- 4.3 Agency should have successfully executed similar nature of assignments for:
 - e) At least one project where base line assessment has been taken up in water resources/ agriculture or similar field.

- f) At least one project on social and environmental assessment.
 - g) At least one project on preparation of ESMF on Water Resources project.
 - h) Experience in Climate Resilience in Agriculture and Water sector desirable
- 4.4 Prior experience of working with donor agency like The World Bank, ADB, etc. in Agriculture and Climate Change sector will be preferred.
- 4.5 Prior experience of preparing irrigation plan and Monitoring & Evaluation of Irrigation and Agriculture scheme/s will be given added weightage during selection of firm.

5 Team Composition & Qualification

Sl. No.	Team composition	Minimum Qualification	Minimum Years of experience	Remarks
1	Team Leader	Post-Graduate in Civil Engineering/ MBA	15	Should have prior experience in preparation of PIP & Manuals
2	Agriculture / Agri-business Expert	PG in Agriculture / Agri-business	10	-do-
3	Monitoring & Evaluation Expert	PG in Economics/ Statistics	10	-do-
4	Social/Institutional development	PG in Sociology/ Anthropology/ Rural Management	10	-do-
5	Fisheries Expert	Bachelor degree in Fishery	10	-do-
6	Economist	PG in Economics/ Statistics	10	-do-
7	Hydrology / Civil Engineering Expert	Bachelor degree on Civil Engineering	10	-do-

6 Deliverables & Payment Terms

- 6.1 The Agency shall submit hard copies of **5 sets of Draft Report (s) (Black & White) & 15 sets of Final Report (Colour) along with the original manuscript of all databases** and also the **soft copy of final report along with all databases in MS Excel sheet.**

Sl. No.	Description of Work	Schedule Dates of submission (from Date of signing of contract)	Payment schedule	Remarks on release of payment
1	Inception report	30 Days	5%	On acceptance of key indicators, questionnaires and formats for the survey, methodology regarding coverage and sampling strategy, statistical validity by the client.
2	1 st Draft report on Baseline, social and environmental survey	60 Days	20%	After scrutiny of draft reports and interaction with the consultants during workshop and suggestions thereof to the consultant.
3	1 st Draft baseline, social and	75 Days		

	environmental survey sharing workshop at the OIIPCRA-SPU level			
4	2 nd Draft report on Baseline, social and environmental survey	90 Days	15%	After scrutiny of final draft PIP and interaction with the consultants during workshop and suggestions thereof to the consultant
5	2 nd Draft baseline, social and environmental survey sharing workshop at the OIIPCRA-SPU	100 Days		
6	Submission of final baseline report	115 Days	10%	On acceptance of final baseline report.
7	Submission of final social assessment report	120 Days	10%	After acceptance of final baseline report and on acceptance of final social assessment report.
8	Submission of final Environmental assessment report	125 Days	15%	After acceptance of final baseline and social report and on acceptance of final environmental assessment report.
9	Submission of draft ESMF	140 Days	10%	After scrutiny of draft report and interaction with the consultants during workshop and suggestions thereof to the consultant.
10	Submission of final ESMF report	150 Days	15%	On acceptance of final ESMF report.

7 Duration of Assignment

The assignment would be for **150 days** from the date of signing of contract.

8 Composition of Review Committee

A committee consisting of following members shall coordinate and monitor the Consultant's work and would extend their cooperation in making available the data and information, obtaining approvals and also deal with the problems, if any, faced by the Consultant in executing the Contractual obligations:

1. Project Director, OIIPCRA-cum-Special Secretary to Govt. (Chair Person)
2. Project Finance Officer, SPU
3. Executive Engineer, SPU
4. Asst. Executive Engineer, SPU
5. Team Leader, ALSS Unit, SPU
6. Agriculture Extension Coordinator, SPU – Convener
7. Agronomist, SPU
8. Manager, Procurement, SPU
9. Manager, Accounts, SPU

The Committee shall co-opt any additional member, if needed, with the approval of the Project Director, OIIPCRA.

Monthly review will be held at State Project Unit to monitor the progress of work.

Terms of Reference
Zone-II (Tel Sub-Basin)

1 Background

The Government of Odisha in partnership with Government of India will implement World Bank assisted project namely “OIIPCRA” with comprehensive basin plan and treatment of Minor & Medium Irrigation Projects covering irrigation command of 90,000 ha in the Rushikulya, Baitarani, Budhabalanga river basin and Tel sub-basin of Odisha. The upcoming project envisages inter linking of MIPs and Tanks as a part of Water Resource Network and pilot automation with Water budgeting. The project will ensure complete renovation and restoration of Irrigation projects to be taken up. It is expected to benefit around 2.00 lakh household as direct beneficiaries or more than 10.00 lakh rural inhabitants.

The project will be executed through Odisha Community Tank Development & Management Society (OCTDMS) which is the Special Purpose Vehicle (SPV) for this project.

2 Assignment Objective

Objective of the Assignment is to conduct and prepare,

- 2.1 **Base line and Social survey** for all projects proposed to be taken up under OIIPCRA of **Tel Sub-Basin**. List of likely indicators is given in the **APPENDIX-A**.
- 2.2 Environmental assessment for selected projects in **Tel Sub-basin**.

3 Detailed Outline of the tasks to be undertaken (ToR):

3.1 Base Line Study:

- 3.1.1 The agency shall undertake a survey to generate baseline information on all the key indicators to be tracked during the project.
- 3.1.2 Questionnaires and formats for this survey should be prepared within one month of award of contract to the consultant, pre-tested in the field, and cleared with the SPU prior to any actual data collection effort.
- 3.1.3 The methodology regarding coverage and sampling strategy of project tanks, villages, farmer groups and farmers should be developed keeping in mind the representativeness of all categories (geographic; agro-climatic; tank size; head, middle-and tail- end farmers; fisher folk and other stakeholders in tank areas; gender; tribal groups; and other relevant socio-economic criteria) as well as statistical validity, and agreed between the SPU and the consultant agency.
- 3.1.4 The agency shall also collect data on various indicators from relevant “control sites” which will be used to assess the (incremental) impact of project interventions vis-à-vis generic growth influences over time.

3.2 Social Study:

- 3.2.1 Undertake beneficiary assessment, stakeholder analysis.
- 3.2.2 Identifying impact assessment
- 3.2.3 Analyse key social risks.
- 3.2.4 Analyse Tribal People and Gender Planning.
- 3.2.5 Suggest appropriate alternate institutional arrangements
- 3.2.6 Develop indigenous people development plan (IPDP)
- 3.2.7 Assess differential impacts of the project benefits.
- 3.2.8 Establish a baseline.

3.3 Environmental Assessment (Selected Projects):

- 3.3.1 To undertake study w.r.t. water storage and supply, drainage, restoration of natural habitats, siltation/ sedimentation pest management, water logging, bio-diversity, fishing, aquatic weeds.
- 3.3.2 Study of soil organic carbon, GHG emissions from crop-production system, use of chemical fertilisers and pesticides.
- 3.3.3 Impact of natural hazard risk assessment w.r.t climate change projections.
- 3.3.4 Study of dam safety review and a draft environmental monitoring and management.

List of likely indicators is given in the **APPENDIX-A**.

4 Qualification of Agency

- 4.1 Agency should be a registered organization/ company with minimum **5 (Five) years** of existence in the relevant field.
- 4.2 Average annual turnover in last three years should not be less than **Two Crores INR**.
- 4.3 Agency should have successfully executed similar nature of assignments for:
 - i) At least one project on Climate Resilience in Agriculture and Water sector.
 - j) At least one project where base line assessment has been taken up in water resources/ agriculture or similar field.
 - k) At least one project on social and environmental assessment.
- 4.4 Prior experience of working with donor agency like The World Bank, ADB, etc. in Agriculture and Climate Change sector will be an added advantage.
- 4.5 Prior experience of preparing irrigation plan and Monitoring & Evaluation of Irrigation and Agriculture scheme/s will be given added weightage during selection of firm.

5 Team Composition & Qualification

Sl. No.	Team composition	Minimum Qualification	Minimum Years of experience	Remarks
1	Team Leader	Post-Graduate in Civil Engineering/ MBA	15	Should have prior experience in preparation of PIP & Manuals
2	Agriculture / Agri-business Expert	PG in Agriculture / Agri-business	10	-do-
3	Monitoring & Evaluation Expert	PG in Economics/ Statistics	10	-do-
4	Social/ Institutional development	PG in Sociology/ Anthropology/ Rural Management	10	-do-
5	Fisheries Expert	Bachelor degree in Fishery	10	-do-
6	Economist	PG in Economics/ Statistics	10	-do-
7	Hydrology / Civil Engineering Expert	Bachelor degree on Civil Engineering	10	-do-

6 Deliverables & Payment Terms

- 6.1 The Agency shall submit hard copies of **5 sets of Draft Report (s) (Black & White) & 15 sets of Final Report (Colour) along with the original manuscript of all database and also the soft copy of final report along with all database in MS Excel sheet.**

Sl. No.	Description of Work	Schedule Dates of submission (from Date of contract)	Payment schedule	Remarks on release of payment
1	Inception report	30 Days	5%	On acceptance of key indicators, questionnaires and formats for the survey, methodology regarding coverage and sampling strategy, statistical validity by the client.
2	1 st Draft report on Baseline, social and environmental survey	60 Days	20%	After scrutiny of draft reports and interaction with the consultants during workshop and suggestions thereof to the consultant.
3	1 st Draft baseline, social and environmental survey sharing workshop at the OIIPCRA-SPU level	75 Days		
4	2 nd Draft report on Baseline, social and environmental survey	90 Days	15%	After scrutiny of final draft PIP and interaction with the consultants during workshop and suggestions thereof to the consultant
5	2 nd Draft baseline, social and environmental survey sharing workshop at the OIIPCRA-SPU	100 Days		

6	Submission of final baseline report	110 Days	20%	On acceptance of final baseline report.
7	Submission of final social assessment report	115 Days	15%	After acceptance of final baseline report and on acceptance of final social assessment report.
8	Submission of final Environmental assessment report	120 Days	25%	After acceptance of final baseline and social report and on acceptance of final environmental assessment report.

7 Duration of Assignment

The assignment would be for **120 days** from the date of signing of contract.

8 Composition of the Review Committee

A committee consisting of following members shall coordinate and monitor the Consultant's work and would extend their cooperation in making available the data and information, obtaining approvals and also deal with the problems, if any, faced by the Consultant in executing the Contractual obligations:

10. Project Director, OIIPCRA-cum-Special Secretary to Govt. (Chair Person)
11. Project Finance Officer, SPU
12. Executive Engineer, SPU
13. Asst. Executive Engineer, SPU
14. Team Leader, ALSS Unit, SPU
15. Agriculture Extension Coordinator, SPU – Convener
16. Agronomist, SPU
17. Manager, Procurement, SPU
18. Manager, Accounts, SPU

The Committee shall co-opt any additional member, if needed, with the approval of the Project Director, OIIPCRA.

Monthly review will be held at State Project Unit to monitor the progress of work.

Terms of Reference

Zone-III (Baitarani & Budhabalanga River Basin)

1 Background

The Government of Odisha in partnership with Government of India will implement World Bank assisted project namely “OIIPCRA” with comprehensive basin plan and treatment of Minor & Medium Irrigation Projects covering irrigation command of 90,000 ha in the Rushikulya, Baitarani, Budhabalanga river basin and Tel sub-basin of Odisha. The upcoming project envisages inter linking of MIPs and Tanks as a part of Water Resource Network and pilot automation with Water budgeting. The project will ensure complete renovation and restoration of Irrigation projects to be taken up. It is expected to benefit around 2.00 lakh household as direct beneficiaries or more than 10.00 lakh rural inhabitants.

The project will be executed through Odisha Community Tank Development & Management Society (OCTDMS) which is the Special Purpose Vehicle (SPV) for this project.

2 Assignment Objective

Objective of the Assignment is to conduct and prepare,

- 2.1 **Base line and Social survey** for all projects proposed to be taken up under OIIPCRA in **Baitarani & Budhabalanga Basin**. List of likely indicators is given in the **APPENDIX-A**.
- 2.2 Environmental assessment for selected projects in Baitarani & Budhabalanga basin.

3 Detailed Outline of the tasks to be undertaken (ToR):

3.1 Base Line Study:

- 3.1.1 The agency shall undertake a survey to generate baseline information on all the key indicators to be tracked during the project.
- 3.1.2 Questionnaires and formats for this survey should be prepared within one month of award of contract to the consultant, pre-tested in the field, and cleared with the SPU prior to any actual data collection effort.
- 3.1.3 The methodology regarding coverage and sampling strategy of project tanks, villages, farmer groups and farmers should be developed keeping in mind the representativeness of all categories (geographic; agro-climatic; tank size; head, middle-and tail- end farmers; fisher folk and other stakeholders in tank areas; gender; tribal groups; and other relevant socio-economic criteria) as well as statistical validity, and agreed between the SPU and the consultant agency.
- 3.1.4 The agency shall also collect data on various indicators from relevant “control sites” which will be used to assess the (incremental) impact of project interventions vis-à-vis generic growth influences over time.

3.2 Social Study:

- 3.2.1 Undertake beneficiary assessment, stakeholder analysis.
- 3.2.2 Identifying impact assessment
- 3.2.3 Analyse key social risks.
- 3.2.4 Analyse Tribal People and Gender Planning.
- 3.2.5 Suggest appropriate alternate institutional arrangements
- 3.2.6 Develop indigenous people development plan (IPDP)
- 3.2.7 Assess differential impacts of the project benefits.
- 3.2.8 Establish a baseline.

3.3 Environmental Assessment (Selected Projects):

- 3.3.1 To undertake study w.r.t. water storage and supply, drainage, restoration of natural habitats, siltation/ sedimentation pest management, water logging, bio-diversity, fishing, aquatic weeds.
- 3.3.2 Study of soil organic carbon, GHG emissions from crop-production system, use of chemical fertilisers and pesticides.
- 3.3.3 Impact of natural hazard risk assessment w.r.t climate change projections.
- 3.3.4 Study of dam safety review and a draft environmental monitoring and management.

List of likely indicators is given in the **APPENDIX-A**.

4 Qualification of Agency

- 4.1 Agency should be a registered organization/ company with minimum **5 (Five)** years of existence in the relevant field.
- 4.2 Average annual turnover in last three years should not be less than **Two Crores INR**.
- 4.3 Agency should have successfully executed similar nature of assignments for:
 - l) At least one project on Climate Resilience in Agriculture and Water sector.
 - m) At least one project where base line assessment has been taken up in water resources/ agriculture or similar field.
 - n) At least one project on social and environmental assessment.
- 4.4 Prior experience of working with donor agency like The World Bank, ADB, etc. in Agriculture and Climate Change sector will be an added advantage.
- 4.5 Prior experience of preparing irrigation plan and Monitoring & Evaluation of Irrigation and Agriculture scheme/s will be given added weightage during selection of firm.

5 Team Composition & Qualification

Sl. No.	Team composition	Minimum Qualification	Minimum Years of experience	Remarks
1	Team Leader	Post-Graduate in Civil Engineering/ MBA	15	Should have prior experience in preparation of PIP & Manuals
2	Agriculture / Agri-business Expert	PG in Agriculture / Agri-business	10	-do-
3	Monitoring & Evaluation Expert	PG in Economics/ Statistics	10	-do-
4	Social/ Institutional development	PG in Sociology/ Anthropology/ Rural Management	10	-do-
5	Fisheries Expert	Bachelor degree in Fishery	10	-do-
6	Economist	PG in Economics/ Statistics	10	-do-
7	Hydrology / Civil Engineering Expert	Bachelor degree on Civil Engineering	10	-do-

6 Deliverables & Payment Terms

- 6.1 The Agency shall submit hard copies of **5 sets of Draft Report (s) (Black & White) & 15 sets of Final Report (Colour) along with the original manuscript of all databases** and also the **soft copy of final report along with all databases in MS Excel sheet.**

Sl. No.	Description of Work	Schedule Dates of submission (from Date of contract)	Payment schedule	Remarks on release of payment
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2	1 st Draft report on Baseline, social and environmental survey	60 Days	20%	After scrutiny of draft reports and interaction with the consultants during workshop and suggestions thereof to the consultant.
3	1 st Draft baseline, social and environmental survey sharing workshop at the OIIPCRA-SPU level	75 Days		
4	2 nd Draft report on Baseline, social and environmental survey	90 Days	15%	After scrutiny of final draft PIP and interaction with the consultants during workshop and suggestions thereof to the consultant
5	2 nd Draft baseline, social and environmental survey sharing workshop at the OIIPCRA-SPU	100 Days		

6	Submission of final baseline report	110 Days	20%	On acceptance of final baseline report.
7	Submission of final social assessment report	115 Days	15%	After acceptance of final baseline report and on acceptance of final social assessment report.
8	Submission of final Environmental assessment report	120 Days	25%	After acceptance of final baseline and social report and on acceptance of final environmental assessment report.

7 Duration of Assignment

The assignment would be for **120 days** from the date of signing of contract.

8 Composition of the Review Committee

A committee consisting of following members shall coordinate and monitor the Consultant's work and would extend their cooperation in making available the data and information, obtaining approvals and also deal with the problems, if any, faced by the Consultant in executing the Contractual obligations:

19. Project Director, OIIPCRA-cum-Special Secretary to Govt. (Chair Person)
20. Project Finance Officer, SPU
21. Executive Engineer, SPU
22. Asst. Executive Engineer, SPU
23. Team Leader, ALSS Unit, SPU
24. Agriculture Extension Coordinator, SPU – Convener
25. Agronomist, SPU
26. Manager, Procurement, SPU
27. Manager, Accounts, SPU

The Committee shall co-opt any additional member, if needed, with the approval of the Project Director, OIIPCRA.

Monthly review will be held at State Project Unit to monitor the progress of work.

APPENDIX-A (KEY-INDICATORS)

Following are the tentative indicators only. Questionnaires and formats for this survey should be prepared and finalized, pre-tested in the field and cleared with the SPU prior to any actual data collection effort. No. of villages to be surveyed will be reflected during issue of RFP.

BASELINE AND SOCIAL SURVEY INDICATORS

1. Baseline survey framework and methodology
2. Outcome indicators
3. Analysis of key project outcome indicators
4. Baseline condition of tanks
5. Socio-economic profile of households and tank command
6. Present status of water bodies
7. Agro-ecological survey
8. Household occupation
9. Water productivity and water use efficiency
10. Land productivity
11. Cropping pattern and fertilizer production
12. Agriculture, Crop, fish, fodder and life stock production and productivity and profitability
13. Management capacity of Pani panchayat
14. Housing and utility in project command
15. Availability in Farming assets
16. Institution in the village
17. Cattles and other animals
18. Intellectual mass for extending agri-allied
19. Status of cooperatives/agri-institution/SHG/FPG
20. No. of small marginal big farmers
21. Gender status
22. Tribal status
23. Any other para-meters required by the project

ENVIRONMENTAL ASSESSMENT INDICATORS

1. Water storage and supply
2. Drainage
3. Restoration of natural habitats
4. Siltation/sedimentation
5. Pest management

6. Water logging
7. Bio-diversity/ fishing
8. Aquatic weeds
9. Sedimentation analysis
10. Health hazards
11. Soil organic carbon
12. GHG emission from crop production system
13. Use of chemical fertilization pesticides
14. Quality of Ground water
15. Safeguard of cultural property
16. Dam safety
17. Natural hazards
18. Storm surge analysis
19. Construction activities
20. Foreshore activities