GOVERNMENT OF NEPAL
IRRIGATION AND WATER RESOURCES MANAGEMENT PROJECT

Tenth Implementation Support Mission
April 1-7, 2013

Aide Memoire

Introduction

1. A World Bank team (the team)[1] conducted the 10th implementation support mission of the Irrigation and Water Resources Management Project (IWRMP) from April 1-7, 2013. The main tasks of the Implementation Support Team (here after the Team) were to: (i) assess and analyze the activities and progress that has taken place since October 2012 under each of the project components for IWRMP; (ii) assess and analyze the current fiduciary, governance, and safeguard arrangements; (iii) prepare for additional financing for IWRMP; and (iv) seek solutions to issues (such as partial release of budget from the Government of Nepal) that affect implementation of the project and its satisfactory completion.

2. The Team met with Mr. Pratap K. Pathak, Secretary, Ministry of Irrigation (MoI), Mr. Shiva Kumar Sharma, Director General of the Department of Irrigation (DoI), management and staff of the Office of the Project Director (OPD), and staff of the implementing agencies, notably DoI and Department of Agriculture (DoA). The team would like to thank all the concerned officers for their cooperation and the constructive discussions. This Aide Memoire summarizes the main findings and recommendations, as well as important actions to be taken during the next months. As agreed during the mission, this Aide Memoire will be classified as a public document under the World Bank's Access to Information policy.

3. The project was approved in December 2007 and is financed with an IDA Grant of USD 50 million and an additional financing credit of USD 14.3 million under Global Food Crisis Response Program. The original scope of the project was to support 198 farmer-managed irrigation schemes (FMIS). However, substantial increase in the price of construction materials and labor resulted in the revision of the target to 103 schemes during the midterm review of October 2010, later revised to about 134 schemes as physical contingencies allocated in the cost estimates provided funds for taking up additional 31 FMISs. For the above reasons, the target of transferring 61,000 ha of agency-managed irrigation schemes (AMIS) was also reduced to 23,100 hectares. While it is expected that IWRMP will meet its revised target/scope by the project closing date June 30, 2013), an additional financing of USD 50 million was requested by the GoN to meet the original target of rehabilitating and modernizing 198 schemes (28,492 ha). The activities being proposed for the additional financing are (a) modernization and rehabilitation of 80 schemes); (b) strengthening Water Users' Associations; (c) updating of Water

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Resource Information System at the Central level and (d) consolidate the gains made in agriculture. However, the Bank Management has decided to restructure and extend the project for a year, for now. And, during the extended period, the task teams have agreed to conduct an independent assessment of the project. The results would determine and assess the scope , nature and duration of a potential next phase.

4. The project is on track to achieve its development objectives. Out of 134 schemes, about 106 sub projects (about 16000 ha) infrastructure improvement and developments are likely to completed by June 2013, and 28 remaining schemes are likely to be carried over to the extended period. Infrastructure work and institutional strengthening activities are also progressing well in the four AMIS. Implementation and piloting test of Geographic based Management Information System (GMIS) in regional cost centres have been completed. And, data entry of individual sub-projects into desktop GMIS and verification and uploading such data into web-GMIS are progressing. Project assessment for micro-irrigation piloting has been completed in relevant project districts and implementation for the same has commenced as planned. Also, activities planned under regular Integrated Crop and Water Management Program (ICWMP) under component D is in progress. A detailed progress of each of the indicators is reported in the results framework attached as an Annex 1.

Component A - Irrigation Infrastructure Development and Improvement

5. The objective of this component is to improve irrigation water service delivery in selected schemes in mountain, hill and Terai districts of three western regions (40 districts) of the country and improve and expand ground water irrigation in Terai. This component also aims to achieve improved physical performance of the irrigation system to increase agriculture productivity and strengthen Water Users Association (WUAs) to make them self-sustained.

6. As of March 2013, fifty seven schemes with a total coverage of 8,372 ha (fifty surface schemes (6,737 ha) and seven groundwater schemes (1,635 ha) have been completed. Seventy five surface and two groundwater schemes are under construction, out of which 49 schemes are expected to be completed by June 30, 2013, but an estimated 28 schemes (4,308 ha) will remain incomplete by the current closing date.

7. During the project review in the ninth supervision mission, the team observed poor quality construction works in some of the schemes. It was agreed during the last review mission that DoI would form a technical committee to identify and rectify deficiencies. Unfortunately, this committee has not yet been set up, apparently for lack of staff in DoI. However, the team views it important that DoI takes responsibility for the quality of works and therefore *a standing technical team be formed at the DoI which will have the authority to carry out technical investigation and provide advice to the field staff where construction supervision and construction quality have been identified as matter of special concern.*

8. As agreed in the previous missions, preparation of Institutional Development Plan (IDP) and training need assessment has been carried out for 30 schemes. Till date a total of 149 trainings have been conducted in 33 subprojects, benefitting 2,871 participants out of which 41% (1,201) are female and 39% belong to marginalized groups (882 *Janajati*, 242 *Dalit*). The team noted that separate trainings for the Association Organizers (AOs) have been planned in the month of May in all the three regions.

Component B - Irrigation Management Transfer

9. The aim of the component is to improve service performance and service delivery in four agency managed irrigation schemes in the Terai through irrigation management transfer to the WUAs. The component is designed to address the problem of below-capacity performance, low collection of service fees, poor operation and maintenance (O&M), and inadequate maintenance funds in large public irrigation schemes.

10. ***Kankai Irrigation System (KIS):*** The overall progress on this scheme is relatively advanced compared to the other systems. The essential structural improvement (ESI) works and institution strengthening works are progressing well. Out of three packages of ESI contract works, two packages have been completed and one is 75% complete. On the government-funded part, out of six contract packages, works on five packages are ongoing with about 65% financial progress and the package related to the headworks is yet to start. The KIS WUA has their own office building where it holds meetings on a regular basis. The WUA has prepared an annual program and budget and has been properly audited. Training of the trainers (TOT) has been provided to 23 WUA members. The WUA has been collecting membership and irrigation service fee (ISF) at all levels of canal system and plans to increase the ISF to Rs 600/ha/annum. The KIS WUA is also distributing the WUA membership cards to all the members of the system.

11. ***Sunsari Morang Irrigation System (SMIS):*** There are three contract packages for ESI works by contractors at SMIS. Package 1 is complete and packages 2 and 3 are near completion (over 95% complete). Institutional strengthening activities related to WUA in SMIS are also progressing well. The WUA has developed an Annual Budget Plan and ISF Action Plan to increase the rate of ISF collection among the WUA membership. An ISF of Rs 250,000 has been collected and there is a plan to collect Rs, 1,000,000 by the end of this fiscal year. Five local WUA members have been allocated the task of collecting the ISF as paid ISF collectors.

12. ***Narayani Irrigation System (NIS) (Blocks 8):*** Work on two contract packages of ESI activities has been slow with only about 20-25% financial progress. GoN-funded contract works are yet to start. NIS WUA will also be provided with TOT in the pattern of WUAs of other irrigation systems. The team would like to emphasize that *NIS WUA (Block 8) would need focused attention regarding the institution building activities and the OPD/IMD and the TA should provide more resources and time for that.*

13. ***Mahakali Irrigation System (MIS):*** Out of the two contract packages for ESI construction works at MIS, Package 1 is complete and package 2 has initiated work but progress has been slow (40% completion). Contract for the GoN-funded infrastructure part has been awarded. The work is yet to start. TOT training was completed for 25 WUA members and these trainees are now providing training and support to the other WUA members. The team noted that preparations for WUA training in on-farm water management are underway. The MIS WUA is beginning to produce its own annual development plan, and has also prepared an annual program and budget. The WUA has been audited and the association has been renewed. Canal Operating Plan (COP) and Canal Maintenance Plan (CMP) are being prepared in close coordination with the WUA.

14. Three WUAs (except NIS) have prepared annual programs and budgets which have been properly audited. Necessary training of trainers trainings (TOT) are being conducted to the WUAs of each of these systems. In addition, for all the four systems Water Availability Assessment (WAA) has been completed, draft COP and draft CMP have been developed or are being developed, Intensive Water Management demonstration Plots are being established, and Subproject Management Unit (SMU) staff has been provided with classroom and on-the-job trainings in structural calibration, COP, CMP developments, etc. Assessment, in terms of relevance and effectiveness, of the trainings imparted to the WUA is underway.

Component C – Institutional and Policy Support for Improved Water Management

15. The aim of the component is to help institutional strengthening of the Water and Energy Commission Secretariat (WECS) and DoI for more effective water resources management. The expected key outputs of this component include enhanced capacity of WECS for planning, monitoring, and inter-sectoral allocation of water resources and development of a national water resources database along with better management of water resources and irrigation-related services.

16. The component has made significant progress. It includes installation of GMIS at DOI office, implementation and piloting testing of desktop GMIS and web based GMIS in regional cost centres, and providing training and orientation to the relevant personnel of region, division and sub-division offices on GMIS system. The mission noted that data entry of individual sub projects into desktop GMIS and verification and uploading such data into web-GMIS are in progress.

17. The final draft Water Resources Policy has been prepared and is currently under discussion. It is expected that ***the Integrated Water Resources Policy will be approved by the GoN Cabinet before June 30, 2013.*** Water Resources Information Centre (WRIC) has been established at the WECS and a local firm hired for the purpose of refining the water resources information system (WRIS) and on the assessment of the basin/sub-basin water availability. Similarly, establishment of river basin offices at Nepalgunj (Karnali basin) and Narayanghat (Narayani basin) has been completed. The hydrological and meteorological stations have been upgraded and telemetry systems have also been established at select stations in Babai and West Rapti basins. The WECS need to further work on feeding data from these systems to the WRIS to make it available to the users.

Component D – Integrated Crop and Water Management

18. The aim of the component is to increase production and profitability of agriculture. The component integrates the improvements made to irrigation systems under Components A and B with agricultural production activities. Emphasis is placed on ensuring efficient integration of water resources and crop production to derive full benefits from investments in irrigation.

19. With about three months remaining, component D has progressed well in terms of meeting its targets and with disbursement of 87 per cent. Provision of quality seeds, use of appropriate technology, and soil fertility and pest management has resulted in impressive gains in agriculture in a sample of schemes (Table below).

	Increase in crop productivity	Baseline (tons/ha)	Achievement (tons/ha)	% increase
1	Paddy	2.9	3.57	23
2	Wheat	2.0	2.90	45
3	Maize	2.1	3.00	42
4	Potato	10	14	40
	Cropping intensity (%)	168	207	23

20. Best practices and new innovations continue to be promoted through Farmer Field Schools (316), result demonstrations (3,327), and visits to best practices sites. Farmer interactions are organized through field days, seasonal planning workshops (476), cross learning visits (4), and field-based interactions. Mission noted that the use and therefore demand for implements such as power tillers, winnowing machines and rice planters are gaining popularity. The efficiency of power tillers over bullock drawn ploughing is now well noted with over 100 per cent efficiency and time saving. In view of labour shortage and efficiency this activity should be further promoted. Through Investment Support Grants (ISG) the project supports establishment of crop collection and seed storage centres. These facilities have helped farmers to better organize themselves to secure better market price in addition to facilitating interactions between the buyers and sellers. Construction of culverts and other small structures has helped in bringing farm produces to the collection centres and transporting equipment such as power tillers and mini tractors for field preparations.

21. During this fiscal year a total of 67 small irrigation schemes had been supported, 156 metric tons of certified seeds has been supplied, 281 tons of seeds produced through community initiatives at the local level, and training visits organized for both project staff and local communities. One area where Component D needs to focus its attention is on seed production at the local level. Locally produced seeds must be certified before they are being sold as certified seeds. This aspect remains weak. Thus, the project should either ensure support from seed certification centre or label the seeds as "Truthful seeds". In both cases, the project must maintain standard protocol required by any seed production program. Annex 2 provides a snap shot of progress made under this component.

22. Some of the actions agreed upon in the 9th mission included: 1) carrying out studies to assess the impact of the use of farm equipment and share best practices from project supported FFS and demonstrations; 2) submission of reports of annual crop benefits and water management impact and monitoring and share the findings, 3) complete analysis of soil survey results and make them available for wider use, and 4) document and present success stories. Of these, actions 3 and 4 have been accomplished while actions 1 and 2 remain outstanding. With GoN request to provide Additional Financing and time extension of the closing date by one more year, agriculture component will prepare and compile information and data required for agricultural activities in the additional financing phase

Social and Environmental Safeguards

23. The team reviewed the progress made in the social and environmental safeguard issues since the last mission. The team was informed that four-monthly monitoring of SEMPs implementation under component A is yet to become a regular feature with information on social and environmental issues. The

project has prepared monitoring format, and implementation of SEMPs are being monitored trimester wise at a regular monitoring by Department of Irrigation in close coordination with TA team. A Regional workshop was organized in January 2013 for implementing unit chiefs of three western regions. The objective of the workshop was to disseminate and share information for effective implementation of SEMP and other components of IWRMP. Office of Project Director has send instructions to all IDD/IDSD chiefs for regular monitoring of SEMP and to submit the trimester wise report on agreed format. DOI has received second trimester SEMP monitoring reports from different IDD and IDSD. Though discussed during the last mission, it is yet to be carried out for component B (the project plans to include samples from Component B during another round of evaluation). Independent evaluation of SEMP implementation has been completed. Project shared the copy of the draft report with IDA. Consultants covered 31 sub projects for the evaluation purpose. The Gender Action plans and IPDP for *Bani* sub project has not yet been prepared. It's a long pending activity. The review team was informed that project could not hire a suitable consultant. It was agreed that data will be collected by the field office (with members from the OPD) and IDA will assist client in developing a data collection format and also provide support in analysing the information. Under component B, the SEMP in Mahakali IP is under implementation but it has not started in *Narayani* Block 8 and Sitajanj IP. Project has completed the orientation workshop for newly posted field staff in all the regions.

24. The mission however expressed its concerns over (i) delay in implementation of SEMP for *Sitaganj* IP and Narayani Block 8; (ii) delay in revision of 14 sub project completion reports to include social and environment data; (iii) delay in regularizing four-monthly SEMP monitoring; (iv) delay in preparation of sample IPDP and GAP for one sub project; and (v) delay in conducting sample survey of component D on safeguards implementation.

Governance

25. IWRMP has put several arrangements in place to enhance governance and accountability within the project. Most GAAP actions are being implemented. Inter-departmental coordination mechanisms proposed in the GAAP are working well. Transparency and access to project information have improved, although timely updating of information on relevant websites needs attention. The project emphasizes capacity building of WUAs. For this, the project has not used the services of NGOs, as originally foreseen, but an available TA is being used towards training and other capacity building measures of WUAs. This change needs to be reflected in an updated GAAP. Irrigation service fee, another GAAP action, has been introduced in component B schemes but not in component A schemes. Component A benefit from users' in kind (labor) contribution. The project will improve its M&E arrangements by June 2013 adopting a tool to generate data on labor contribution. Likewise, the project will identify verifiable indicators to ensure that project benefits (e.g., access to irrigation water) are shared equitably (by June 2013). The project has a complaint handling mechanism in place, but reporting on its performance needs to improve. The nodal person for complaints should be required to report progress on complaints, which would also involve tracking of all actions on specific complaints. Social audits have taken place in the project but need to be more systematic. It has been agreed that the DOI would look at the guidelines for social audit prepared by MoFALD to see whether they are relevant for social audit practices within the project. IWRMP intended to use the National Vigilance Center for technical audit of its construction activities. While this is yet to happen, there have been further reflections on this. One option is to engage

a third-party monitor (e.g., from the private sector) to carry out technical audit in selected schemes. *DOI has agreed to finalize a set of TORs for this by June 2013.*

Procurement

26. The project activities are being implemented by four implementing agencies – DoI, DoA, WECS and DHM. The review team assessed the implementation status of the procurement plan (PP) of the Project. DoI, WECS and DHM have completed almost all contract awards. DoA has also only a few activities in procurement process. Otherwise all the procurement activities planned in the PP have been implemented or in final stage of implementation. With respect to procurement management, this is one of the good performing projects in Nepal portfolio. Based on the overall status of procurement plan implementation and performance on procurement management, ISR is rated as S.

Financial Management

27. A review of financial management of the Irrigation and Water Resources Management Project was carried out. Reviews were carried out in all three implementing agencies – DOI, DOA and WECS – which are managing the four components of the Project. Overall, the financial management risk is at the "substantial" level. Both DOI and DOA have satisfactorily maintained the books of accounts. All required ledgers including the program ledger have been maintained. As suggested by the mission, the users' contribution record has also been maintained, which is now reflected in the financial monitoring reports. DOI has also responded to the queries raised by the transaction review mission in September 2012. Given the nature of the Project with the need of high degree of coordination at all levels both with the agency and with other agencies, the Project will need to continue to ensure a very strong team to take a lead on financial management. The Finance Officer of the DOI has recently been transferred as he was promoted from his current position. He has been playing a proactive role and hence has been satisfactorily maintaining all project related financial information. His successor has not yet been deputed. *The mission urges to depute an equally competent successor to take the charge of Financial Officer in the Project.*

Budget for FY2012/13

28. Due to political situation affected by the dissolution of the Constituent Assembly in May 2012, the government was not able to timely announce the annual work program and full budget for FY2012/13. Until the full budget was announced on April 9, 2013, all development projects were provided the authority within the ceiling of last year's expenditures. This had been a real constraint in terms of securing required resources for project implementation. With the recent announcement of the budget, this problem is now resolved. The following table provides the breakdown of approved allocation under IWRMP:

Budget	Budget Head	Budgeted amount in NRs million		
		GoN	IDA	Total
DOI				
Recurrent	3571033	7.44	55.73	63.17
Capital	3571034	240.49	889.16	1,129.65
Sub-total		**247.93**	**944.89**	**1,192.82**
WECS				
Recurrent	3081023	0.64	2.55	3.19
Capital	3081024	0	21.39	21.39
Sub-total		**0.64**	**23.94**	**24.58**
Hydrology & Metrology				
Capital	3311054	3.90	18.90	22.80
DOA (Additional Fin)				
Recurrent	3121413	1.80	219.35	221.15
Capital	3121414	0	82.95	82.95
Sub-total		**1.80**	**302.30**	**304.10**
DOA				
Recurrent		9.08	87.19	96.27
Grand Total		**263.35**	**1,377.22**	**1,640.57**

29. Total approved budget for IWRMP managed by various implementing agencies is NRs.1,640.57 million, of which IDA financing is NRs.1,377.22 (84%) and counterpart financing is NRs.263.35 million (16%).

Expenditures incurred in FY2012/13

30. Due to delay in full budget announcement, implementation progress has been slow in the first two trimesters. Total estimated expenses from DOI managed components as of end of second trimester is estimated around NRs.75.03 million, which is only about 6% of the total approved budget. This is just the broad estimates as statements of expenditures have not been received from all cost centres. Similarly, total estimated expenses from DOA managed components as of end of second trimester is estimated around NRs.160.48 million, which is about 40% of the total approved budget. This is also broad estimates as statements of expenditures from all cost centres have not been received.

Disbursements

31. Total disbursements as of March 31, 2013 are US$43.07 million (US$31.14 million from IDA Grant and US$11.93 million from IDA Credit), which is about 67% of the allocated amount. Netting

the advances to the Designated Accounts, total use of funds is only about US$27.47 million (US$20.39 million from IDA Grant and US$7.08 million from IDA Credit), which is about 42.7% of the allocated amount.

Department of Irrigation and WECS

- **Ledgers:** DOI has continued to maintain and update the Grant Register and the Designated Account Ledger in addition to other basic control ledgers. Program ledger has also been maintained. The information contained in the Ledgers reconcile with the Bank's record. In case of WECS, the mission noted that the Program Ledger has now been maintained.

- **Control System:** As discussed and agreed during the last review, both DOI and WECS have now started to deface supporting documents of expenses with "PAID" stamp once the payments are made. Similarly, the mission noted that the journal vouchers are numbered immediately after payments are approved and cheques are prepared. Internal audit has also been carried out. The mission suggested DOI to closely monitor the field program and expenses. The mission noted a good coordination between DOI and WECS. WECS submit its financial statements on time to DOI for consolidation of accounts.

- **Water Users Association (WUA) Contribution:** In case of surface irrigation, the total project cost is estimated and the work to be carried out by the WUA is identified. The WUA contribution is 10% of the estimated project cost before contingency. The agreement is entered with the WUA specifying the work to be carried out by the contractor and WUA contribution and the amount of the work of the WUA. The work carried out by the WUA is measured, recorded in the measurement book and valued based on the estimated rate and accounted as WUA contribution.
- **Transactions Review:** As a result of the transactions review held last year, the team again reminded that no funds should be transferred from the DA unless the actual expenditures are confirmed and supporting documents maintained at the Office of Project Director (OPD). The review team also suggested maintaining all supporting documents at the OPD, although they may be available at the concerned cost centres.

Department of Agriculture

- **Ledgers.** DOA has maintained and updated the Grant Register and the Designated Account Ledger in addition to other basic control ledgers. DOA has also maintained Program Ledger.

- **Control System:** The mission noted that DOA has now started to deface supporting documents of expenses with "PAID" stamp once the payments are made. The review team also suggested DOA to closely monitor the field program and expenses. The review team reviewed the most recent internal audit report and no significant issues are raised.

- **Transactions Review:** As a result of the transactions review held last year, the Team suggested that no funds should be transferred from the DA unless the actual expenditures are confirmed and supporting documents maintained at the Project Coordinator's Office. The review team also suggested maintaining all supporting documents at the PCO, although they may be available at the concerned cost centres.

32. **Trimester Implementation Progress Reports:** There are no overdue trimester implementation progress reports both from DOI and DOA. The review team reminded that the second trimester reports of FY2012/13 are due on April 30, 2013.

33. **Audit Reports.** There are no overdue audit reports. There are also no unresolved audit issues. The review team reminded that the audit reports for FY2012/13 are due on January 15, 2014 (unaudited accounts due on October 15, 2013) and advised the Project to take all proactive measures for timely submission of audit reports.

Status of Agreed Actions from Ninth Supervision Mission

Action	By Whom	By When
Component A – Irrigation Infrastructure Development and Improvement		
The DoI form a technical committee to identify and rectify the deficiencies at Beti and other projects. Documentation of success stories from the field (even if anectodal) on the impact of the project on the livelihood of the people.	DoI	In Progress. Due June 30, 2013 Done
Component B – Irrigation Management Transfer		
Develop a strategy for institutional capacity building of Irrigation Management Division (IMD)	DOI and OPD	In progress. Due June 30, 2013
TA team to lead training of DoI staff and WUAs in water management.	TA consultants and OPD	Done
Carry out a rapid assessment of the training program provided to WUAs so far and determine its effectiveness and the participants' perceptions.	Consultants	In Progress. Due June 30, 2013
Component D – Integrated Crop and Water Management		
Implementation of recommendations made by the Independent Assessment Report by Full Bright Consultancy Services. Speed up the monitoring of asset verification for this fiscal year Carry out studies to assess the impact of the use of equipment (power tillers, winnowing fans, cultivator, and leveller) and share best practices from project supported FFS and demonstrations. Submission of reports of annual crop benefits and water management impact monitoring and sharing the findings in the coming reporting period. Complete analysis of soil survey results and make them available for a wider use.	DoA	Done In progress. Due June 30, 2013 In progress. Due June 30, 2013 In progress. Due June 30, 2013 Done
Social and Environmental Safeguards		
SEMP orientation workshop for newly posted staff in districts Draft Independent Evaluation Report of SEMP implementation will be shared with the Bank All four-monthly progress report of each subproject will also	OPD	Done Done In progress. Due

report on the social and environmental works done during the period and social and environmental report will be attached an annex of the progress report). The first such report will be shared with the Bank by the end of November 2012. Subproject Completion Reports of the 14 subprojects to be revised to include social and environmental information by November 30, 2012		June 30, 2013 In progress. Due June 30, 2013
Financial Management		
DOA to submit its third trimester IPR. The report is already overdue.	DoA	Done

Agreed Actions

A number of actions to be taken were agreed between OPD and the Bank team. The main action points are presented in the table below.

Action	By Whom	By When
Component A		
• A standing technical team be formed at the DoI which will have the authority to carry out technical investigation and provide advice to the field staff where construction supervision and construction quality (e.g. Beti and Bani schemes) have been identified as matter of special concern	OPD	May 31, 2013
Component B		
• Develop a strategy for institutional capacity building of Irrigation Management Division (IMD)	OPD	June 15, 2013
• Carry out a rapid assessment of the training program provided to WUAs so far and determine its effectiveness and the participants' perceptions	OPD	May 31, 2013
• NIS WUA (Block 8) would need focused attention regarding the institution building activities and the OPD/IMD and the TA should provide more resources and time for that	OPD	May 31, 2013
Component C: Institutional and Poicy Support for Water Management		
• It is expected that the Integrated Water Resources Policy will be approved by the GoN before June 15, 2013.	WECS	June 15, 2013
Component D: Integrated Crop and Water Management		
• Speed up the monitoring of asset verification for this fiscal year	DOA	June 15, 2013
• Submission of reports of annual crop benefits and water management impact monitoring and sharing the findings in the coming reporting period	DOA	June 15, 2013
• Carry out studies to assess the impact of the use of equipment (power tillers, winnowing fans, cultivator, and leveller) and share best practices from project supported FFS and demonstrations	DOA	June 15, 2013
Safeguards		
• All four-monthly progress report of each subproject will also report on the social and environmental works done during the period and social and environmental report will be attached an annex of the progress report). Subproject Completion Reports of the 14 subprojects to	OPD	June 15, 2013

be revised to include social and environmental information.		
• Updated data on gender and vulnerable community of all sub projects to be shared with the Bank	OPD	June 15, 2013
• Sample IPDP and GAP to be shared with the Bank	OPD	June 15, 2013
Financial Management		
• Assign a finance officer	OPD	ASAP
Governance		
• Finalize a set of TORs to hire a private firm to conduct a third party monitoring.	DOI	June 15, 2013

Annex 1
Project Progress against Result Framework
as of March 31, 2013

PDO indicators

Indicator	Progress (October 15, 2012)	Status (March 31, 2013)	Target (June 30, 2013)
Increase in productivity of selected (main) crops.	Rice: 3.57MT/ha Wheat: 3 MT/ha Maize: 2.83 MT/ha Potato: 14.43 MT/ha	Paddy: 3.57MT/ha Wheat: 3.00 MT/ha Maize: 3.00 MT/ha Potato: 14.43 MT/ha	Paddy 3.5MT/ha; Wheat 2.8MT/ha; Maize 3.2MT/ha; Potato 14.0MT/ha
Percent of water users in the rehabilitated schemes satisfied with WUAs.	50 percent	60 per cent	60 percent
Percent of WUAs in transferred schemes whose O&M expenditures are as per Asset Management Plans.	50 percent	55 per cent	75 percent
Establishment of a national water resources database.	The Water Resources Information System (WMIS) is operational. Data is continuously updated.	The Water Resources Information System (WMIS) is operational. Data is continuously updated.	Database fully functional.
Area provided with irrigation and drainage services (ha)	8000 Ha	8327 Ha	20,000 Ha
Operational water user associations created and/or strengthened (number)	Data not available	120	138
Water users provided with new/improved irrigation and drainage services (number)	(core indicator)	6372	(core indicator)
Water users provided with irrigation and drainage services - female (number)	(core indicator)	2611	(core indicator)

Annex 2

Implementation Progress under IWRMP, Component "D"

Activities	Unit	Progress				
		FY 08/09-2011/12	FY 2012/13 First Trimester	FY 2012/13 Second trimester	FY 2012/13	Cumulative Progress
Coordination meeting	Times	52	38	43	81	133
Seasonal planning workshop	Times	367	74	35	109	476
Farmers field school	Nos	224	54	38	92	316
Demonstrations	Nos	3024	140	163	303	3327
Soil testing support	Campaigns	153		20*	20	173
Training and exposure visit (district)	Nos	480	1	3	4	484
Investment support grant	Nos	156		28		184
Farmer to Farmer Field School	Nos	107	44	34	78	185

*=No of kits distributed.