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# Rural Electrification Development Program (REDP)

## Work Plan

01 March 2006 – 28 February 2007

Version:- 1



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**ABBREVIATIONS**

BPDB	Bangladesh power development board
BSTI	Bangladesh Standards and Testing Institute.
CAP	Country assistance plan (DFID)
CFR	Carriage and Freight (Incoterm)
CIF	Carriage Insurance and Freight (Incoterm)
CPT	Carriage Paid To (Incoterm)
DFID	Department for International Development
GBP	Pound (Sterling)
GOB	Government of Bangladesh
IPP	Independent power producer
MDG	Millennium development goals
MIS	Management information system
MOF	Ministry of finance
MPENR	Ministry of power, energy and mineral resources
MW	Megawatt (1000 kW)
NGO	Non-governmental organisation
NRECA	National rural electrification cooperative association
PBS	Palli bidyut samabay samity (Rural Electricity Cooperative)
PKSF	Palli karma sahayak foundation
PPR	Public Procurement Regulations
REB	Rural electrification board
REDP	Rural Electrification Development Program
TOR	Terms of Reference.
USD	United States Dollar
USAID	United States Agency for International Development
£	GBP (Pound Sterling)

## **SUMMARY**

This work plan for the year 01 March 2006 through February 2007 has been formulated from the original NRECA submission for the REDP and incorporating any necessary modifications resulting from practical information acquired during the first three months of the project.

Principal concentration during this first year to March 2007 will be to expedite the materials procurement process of Task A. Following extensive consultation with REB, revisions were required in the materials procurement documentation in order to better align with GOB PPR and to attract more international competition. Accordingly, the schedule for completion of materials procurement and subsequent commencement of construction works will be deferred from original estimate.

Member Awareness Education and Board Development Program, Task B, will be expedited as NRECA initial proposals.

Task B is less dependant on external factors than Tasks A and C, consequently the work schedule for this aspect of REDP will follow the original assessment.

Socio economic impact study, Task C, is affected by two fundamental factors.

Firstly, commencement of a baseline study will be dependant on completion of a considerable amount of construction work. Secondly, within the project timescale of five years, a follow up study to assess impact is considered most unlikely to indicate anticipated results. This is expected to particularly affect potential improvements in commercial activity because a power deficit remains expected at the end of the REDP timescale.

To facilitate possible requirements to conduct pre contract factory inspections during the period, some budget cost reallocations may be necessary. Budget reallocations will not affect the total costs.

## **SECTION 1: INTRODUCTION**

### **1.1 Background to the Rural Electrification Development Program (REDP).**

"The overall programme cost is £161 million. The GOB will contribute £122 million through the Annual Development Programme (ADP), and DFID will contribute £38 million for investment components to REB through the Ministry of Finance. The remaining DFID funds will be used for microfinance (£10 million), management, supervision and monitoring (£1 million), and education and awareness building (£1 million). Disbursement procedures accord with existing rules to fund GOB agencies, donors and NGOs. The full cost of operation, maintenance and asset replacement will be met through user charges.

REDP represents a five-year DFID commitment of up to £50 million to increase the provision of electricity in rural and peri-urban areas of Bangladesh. This will be achieved through a package of financial support for electricity network expansion and intensification within the Second Rural Electrification Master Plan (2000-2020). The program will provide 1.35 million new electricity connections to households and rural businesses, directly benefitting up to 10 million people. A microfinance component is included to enable poorer households and small businesses to cover the connection charge and develop new income earning opportunities. If successful, the program will supply electricity to up to 20% of the unconnected rural population.

DFID will support three investment components of the REB Master Plan. This will involve a mixture of grid expansion (sub-transmission, mainly 33 kV electrical lines), which is expensive but essential, and intensification, which is less costly, but connects large numbers of customers to existing infrastructure. DFID will pay for the foreign exchange elements, which are heavier in main grid expansion than intensification work; the Government will pay for local costs. These components are the main immediate priorities of REB for investment. While DFID is seeking to enhance the poverty impact of the programme, our approach is to support the overall REB Master Plan, not 'cherry-pick' specific sub projects.

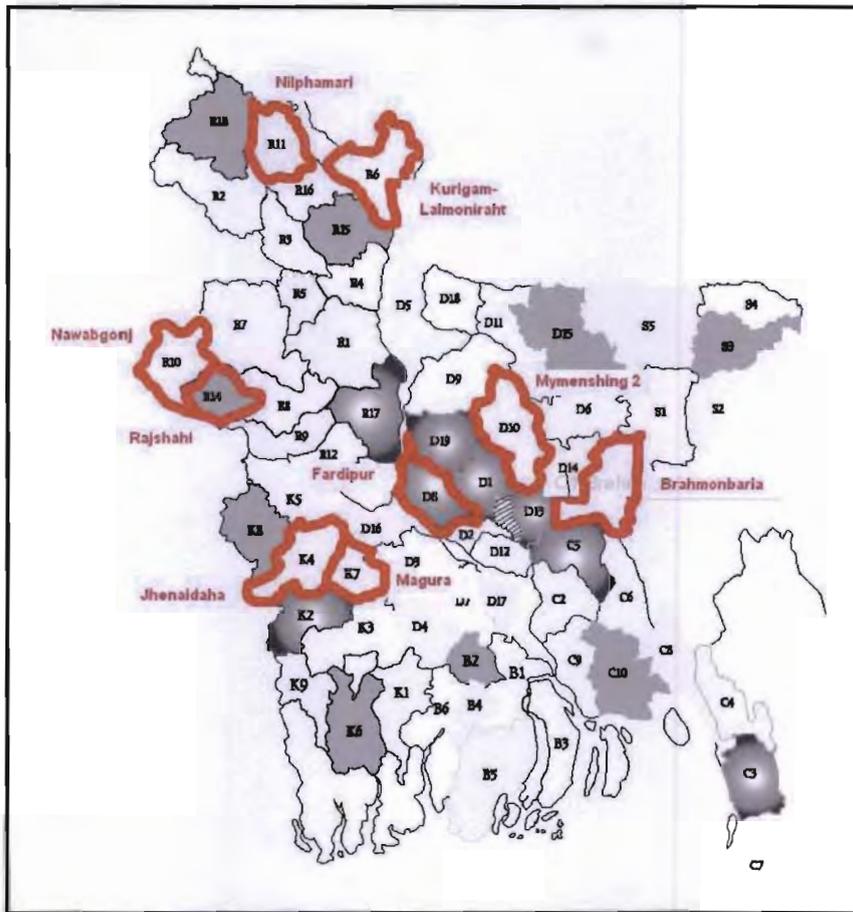
First, a major expansion of the main distribution infrastructure backbone in 9 PBS will be supported. The total investment cost of this component is £27 million, with which 8,000 km of new line will be constructed and 2,000 km renovated. These PBS were established by the REB in the mid to late 1990s and have received little additional investment since that time. They are all located in more remote, poor areas of Bangladesh. DFID support will enable additional villages to be connected to the rural grid, together with an increase in the number of connections (intensification) through the construction of new spur lines from the existing backbone within these nine PBS. The cost of intensification is relatively modest, and will enable 250,000 poor households and a large number of enterprises located near the backbone grid to be connected. This component will account for approximately 71% of the project's total investment package.

Second, DFID will support intensification in 56 existing PBS, at the cost of £8 million. This will involve the construction of one and two pole lines from existing lines, linking households and enterprises located near the backbone grid. It will connect 1,000,000 new consumers with a relatively low investment. This component will account for approximately 21% of the project's total investment package.

Third, the investment package will provide some support to the expansion of the main backbone infrastructure and intensification in 67 PBS. DFID will be funding only the poorer PBS with lower revenue generation potential. The investment cost of this component is £3 million. This component will connect 100,000 households and a number of businesses in more remote locations. This component will account for approximately 8% of the project's total investment package".

*(The above section 1.1 is extracted from DFID Project memorandum for REDP)*

1.2 9 PBS Receiving Principal Support from REDP



Name of PBS	Name of Thana	Name of District	Area (Sq.Km.)	No. of Villages	Population	Name of PBS	Name of Thana	Name of District	Area (Sq.Km.)	No. of Villages	Population
Rajshahi	Boalia	Rajshahi	96.68	-	294056	Nawabgonj	Bholahat	Nawabgonj	123.52	91	70507
	Durgapur	Rajshahi	195.03	122	137640		Gomastapur	Nawabgonj	318.13	235	191972
	Godagari	Rajshahi	472.13	396	217811		Nachole	Nawabgonj	283.68	190	97119
	Mohanpur	Rajshahi	162.65	154	126396		Nawabgonj	Nawabgonj	451.80	192	389524
	Paba	Rajshahi	280.42	261	213379		Shibgonj	Nawabgonj	525.43	367	422347
	Tanore	Rajshahi	295.39	207	138015	Mymensingh-2	Bhaluka	Mymensingh	444.05	102	264991
Brahmanbaria	Akhaura	Brahmanbaria	99.28	125	112982		Gafargaon	Mymensingh	401.16	218	379803
	Banchharampur	Brahmanbaria	217.38	118	258371		Trishal	Mymensingh	338.98	160	336797
	Brahmanbaria	Brahmanbaria	495.85	368	659449	Sreepur	Gazipur	465.24	166	320530	
	Kashba	Brahmanbaria	209.76	236	243833	Magura	Magura	Magura	406.50	252	286925
	Nabinagar	Brahmanbaria	353.66	198	378539		Mohammadpur	Magura	234.29	182	160340
	Nasinagar	Brahmanbaria	311.66	129	234090		Shalikhha	Magura	228.64	118	132291
	Sharail	Brahmanbaria	239.52	146	254481		Sreepur	Magura	179.18	160	144471
Jhenaidah	Harinakunda	Jhenaidah	227.19	129	162078	Faridpur	Alfadanga	Faridpur	136.00	118	90873
	Jhenaidah	Jhenaidah	467.75	283	333192		Bhanga	Faridpur	216.34	227	214702
	Kaligonj	Jhenaidah	310.16	196	219126		Boalmari	Faridpur	272.34	255	190159
	Kotchandpur	Jhenaidah	165.66	79	107193		Char Bhadrasan	Faridpur	141.59	129	69876
	Maheshpur	Jhenaidah	416.96	194	246350		Faridpur	Faridpur	407.02	298	335386
	Shaikupa	Jhenaidah	373.42	258	293341		Madhukhali	Faridpur	230.20	238	165438
Kurigram	Bhurungamari	Kurigram	236.00	124	176822	Nagarkanda	Faridpur	379.02	335	267193	
	Chilmari	Kurigram	224.97	152	100516	Sadarpur	Faridpur	290.21	287	172059	
	Fulbari	Kurigram	163.63	165	129668	Nilphamari	Dimla	Nilphamari	327.00	58	160000
	Kurigram	Kurigram	276.45	256	217311		Domar	Nilphamari	251.00	47	152000
	Nageshwari	Kurigram	415.30	367	279775		Jaldhaka	Nilphamari	326.00	77	199000
Rajarhat	Kurigram	166.23	180	158648	Kishoreganj		Nilphamari	265.00	130	202000	
	Ulipur	Kurigram	504.19	418	345205	Nilphamari	Nilphamari	351.00	107	242000	
<b>Total Area (Square km)</b>	<b>15,371</b>										
<b>Total Population</b>	<b>11,696,570</b>										

### **1.3 Contractual Project Tasks**

#### **1.3.1 Task A: Supervision and Monitoring:**

Supervision and Monitoring Task will require involvement with all of the subtasks related to the planning and physical development of the PBS distribution systems and therefore will be the major focus of NRECA work throughout the life of the project. This effort will include sub-tasks such as crosschecking a selected number of the PBS master plans in order to confirm that the key elements of the master plan development and updating processes are being properly incorporated, as well as verifying the project selection process used to identify projects to be constructed under the DFID grant. Monitoring project execution will involve material procurement and following up and inspecting construction activities. Participating in the material procurement process for both local and foreign source goods will be necessary to ensure that solicitations and evaluations are transparent and carried out in accordance with REB procedures and procurement policies.

DFID, through its project development process and discussions with the GOB, REB and other donors has confirmed that NRECA will have the responsibility to review and provide concurrence on all procurement actions using DFID project funds and will be accorded the necessary cooperation from all parties in order to do this work.

Emphasis will be placed on efforts to ensure that quality materials and equipment are being purchased with the project funds, including a minimum of periodic inspection of these commodities upon delivery to REB/PBS.

Ensuring the procured materials are properly utilized will require monitoring material issuance and construction reports in order to ensure that projects are completed in accordance with plans. Periodic field visits to a selected number of projects will be conducted to provide a crosscheck and verification of the construction reports and other related documents.

#### **1.3.2 Task B: Member Awareness Education and Board Development Programs:**

The development of member awareness/education and PBS Board Development programs will initially be treated as a separate task. NRECA plans to build on some of its earlier work with REB and the PBS in the area of providing technical assistance related to member awareness education and PBS Board development. The activities will focus on raising member consumer participation levels from reactive to proactive, as a way of empowering the membership to take responsibility for their actions and decisions. This work will provide strong support for the need to continually enhance these two key institutional areas as was identified in the RE Study Report completed by NRECA under USAID funding in January 2005. In addition, this work will be complementary to the ongoing work NRECA is doing under the RPPR Program's Task C.2 (Strengthening Training Programs and Procedures), particularly with respect to the development of curriculum materials for all types of training programs. This training effort under RPPR II will continue through September 2007.

Specifically this Task will involve working with the REB Training Directorate, as well as the REB Management Operations Directorates in order to ensure that the content and approach for these newly developed programs are appropriate to the PBS system. The new programs will emphasize the roles and responsibilities of members and management in relation to ensuring transparency and accountability and addressing poverty and gender priorities in PBS planning and operations. The PBS Member Services Departments will be directly involved with the implementation of these member awareness/education programs, while the REB Training Directorate will conduct the PBS Board Development programs. NRECA will work with REB and the PBSs to explore the most effective approaches for successfully implementing the member awareness/education programs with consideration being given to the improved utilization of the PBS Village Advisors. Following the development of the programs and their initial implementation through the REB and PBSs, the ongoing oversight and monitoring of this

initiative through the end of the project will become part of the overall Supervision and Monitoring Task. This is expected to occur at the halfway point in the project.

**1.3.3 Task C: Socio-Economic Impact Assessment:**

Conducting the work related to establishing the baseline and completing the assessment study is a separate Task, but will be coordinated with the Monitoring and Supervision Task. Demographic and socio-economic data will be gathered to provide reliable evidence that measures the impact the DFID funded RE expansion project has had on the rural people who live in the participating PBS service areas. This Task will involve a series of activities during the first year to establish the baseline and then additional activities in the later years to measure the gender and poverty impacts of the project. Some specific data and related information (socio-economic, gender, poverty, etc.) will be gathered during the midpoint of the project in order to support the mid-term review that routinely occurs on DFID-funded projects. NRECA plans to have appropriate technical expertise available through its own consultant who will oversee the work related to this Task, but a local consulting firm experienced in conducting these types of impact assessments will complete the majority of this work. NRECA will draw on its experience related to conducting socio-economic impact assessments and specifically on the process used for the one conducted by HDRC in 2002 under the USAID funded Rural Power For Poverty Reduction (RPPR) Program. Details of the actual Terms of Reference for the impact assessment will be agreed with DFID at which time specific plans will be made to implement the study.

**1.4 Project Team for March 2006 Through February 2007**

Anticipated project team for the REDP during the period March 2006 through February 2007 will consist:

<u>Person</u>	<u>REDP Duties</u>	<u>Tenure</u>
Jim Ford	NRECA Country Representative	Project Overview
John Cook	Project Engineer	Full Time, Commenced 17 April 2006
Maruf Hasan Bhuiyan	Utility Engineering Specialist	Full Time, Commenced 01 May 2006
Md Abdus Salam	Utility Engineering and Materials Specialist	Full Time (Commencing August 2006)
Tawheed Reza Noor	Socio Economic Consultant	Contracted Part Time (Commencing August 2006)
Eric Gibbs	Socio Economic Specialist	Part Time
Brigadier (rtd) M A Malek	Local Management Specialist	Part Time
Narayan Chandra Saha	Education and Training Specialist	Contracted Full Time (Commencing 01 August 2006)
AN Other	Cooperative Development Specialist	Part Time

## **SECTION 2: PRIMARY OBJECTIVES**

### **2.1 Primary Objectives (March 2006 through February 2007)**

#### **2.1.1 Supervision and Monitoring (Task A)**

Primary objectives of the NRECA input to the project will be:

- To verify materials selection by REB is consistent with REDP requirements.
- To assist REB with materials procurement process and to verify, or otherwise, compliance with GOB Public Procurement Policy 2003.
- Reporting on REB compliance with REDP and GOB requirements.
- Review REB bid evaluation process and if acceptable to provide concurrence on proposed contract awards.
- When bid evaluation is considered not acceptable, to assist REB with re-evaluation.
- When appropriate, conduct pre contract factory inspections.
- Conduct pre delivery inspections for specific materials such as meters and transformers.
- Assess materials storage and delivery to PBS.
- Review PBS construction plans.
- Reporting on progress of Task A in accordance with contractual requirements.
- Reporting on aspects of REDP considered to require attention by DFID or USAID.

#### **2.1.2 Member Awareness Education and Board Development Programs (Task B)**

Primary objectives of the NRECA input to the project will be:

- Establish and effect an education training program for new PBS members and directors.
- Reporting on membership education and training program.
- Reporting on progress of Task B in accordance with contractual requirements.

#### **2.1.3 Socio-Economic Impact Assessment (Task C)**

Primary objectives of the NRECA input to the project will be:

- Formulate TOR for socio economic survey.

- Contract local company to effect socio economic survey.
- Consider appropriate time for commencement of establishing baseline socio economic survey.
- Reporting on progress of Task C in accordance with contractual requirements.
- Report on issues considered to require attention by DFID or USAID.

## **SECTION 3: PROJECT ACTIVITIES**

### **3.1 Task A Supervision and Monitoring**

As indicated in Section 2, primary objectives of supervision and monitoring during the year to 28 February 2007 are to concentrate on best effecting the materials procurement process.

From the initial design of the supervision and monitoring process by NRECA, considerable discourse between DFID, NRECA, REB and USAID has taken place during April through June 2006. These exchanges of ideas have permitted a refinement of the supervision and monitoring methodology, leading to the intentions indicated in this work plan.

Given the generally protracted nature of international procurement, delivery of the first tranche of materials is considered unlikely to commence until the third quarter of 2007. In all, procurement of materials will be realized in three tranches. Second and third tranches of procurement will be effected following satisfactory accomplishment of the first round procurement. As results of the first tranche procurement will not be fully ascertainable until after bid evaluation, further tranches of materials procurement are considered unlikely to commence until at least March 2007.

Consequently supervision and monitoring of construction works will be considered more fully in the work plan for March 2007 through February 2008.

Procedures, personnel and systems within REB for international and domestic materials procurement are well established.

Under the REDP, NRECA will observe the proposed REB methodology for DFID funded materials procurement and by consensus effect alterations necessary to ensure compliance with GOB PPR.

Early exchanges with the involved REB personnel have indicated a high level of competence and knowledge about procurement techniques. In addition these personnel have also indicated a willingness to consider approaches to the REDP procurement that will enhance the process and satisfy the requirements of DFID.

DFID requirements for the procurement process are composed principally of ensuring compliance with GOB PPR and to maximize value from available funds.

In addition to the DFID general requirements, four core procurement monitoring subjects were identified as requiring special attention. These core subjects will be subject to close monitoring during the procurement process.

Specifics for monitoring and assisting REB with effecting the procurement process are indicated below.

Schedule for components of Task A is provided in Section 3.1.6

### 3.1.1 Supervision and Monitoring Personnel

The following personnel will be engaged in the REDP supervision and monitoring process during 2006 through 28 February 2007

John Cook	Project Engineer and utility materials procurement specialist	Full Time, commenced 17 April 2006
Maruf Hasan Bhuiyan	Utility Engineering Specialist	Full Time, commenced 01 May 2006
Md Abdus Salam	Utility Engineering and Materials Specialist.	Full Time (Commencing August 2006)

### 3.1.2 Procurement Process Monitoring

In cooperation with REB, NRECA personnel will assist in developing the materials procurement process documentation such that:

- Procurement complies with GOB PPR.
- Procurement is widely advertised to attract International competition.
- Key monitoring subjects are addressed.

### 3.1.3 Bid Evaluation Monitoring

Bid evaluation is entirely the responsibility of REB, however NRECA are charged with monitoring the process.

In cooperation with REB, NRECA personnel will monitor the bid evaluation process such that:

- Detailed inspections of the REB evaluation will be effected for selected bids.
- REB evaluation reports to be scrutinized.
- Contract award recommendations by REB to be inspected in detail.
- REB recommended contract awards considered inappropriate will be rejected and REB will be requested and assisted to re-evaluate bids.

### 3.1.4 Materials Inspection

To reduce the risk of procuring poor quality materials the following methodology will be adopted.

- Conduct pre contract factory inspections for materials such as meters, transformers and conductor to reduce the likelihood of contracting poor quality manufacturers.
- Undertake materials pre delivery inspection and testing to reduce the possibility of delivery of unsatisfactory materials.
- Report on all inspections and make appropriate recommendations to REB.

Funding for the pre contract factory inspections and materials pre delivery inspections will require agreement with USAID to reconfigure budget allocations. Meetings will be arranged

between NRECA and USAID at an appropriate time to determine inspection requirements and subsequent funding requirements.

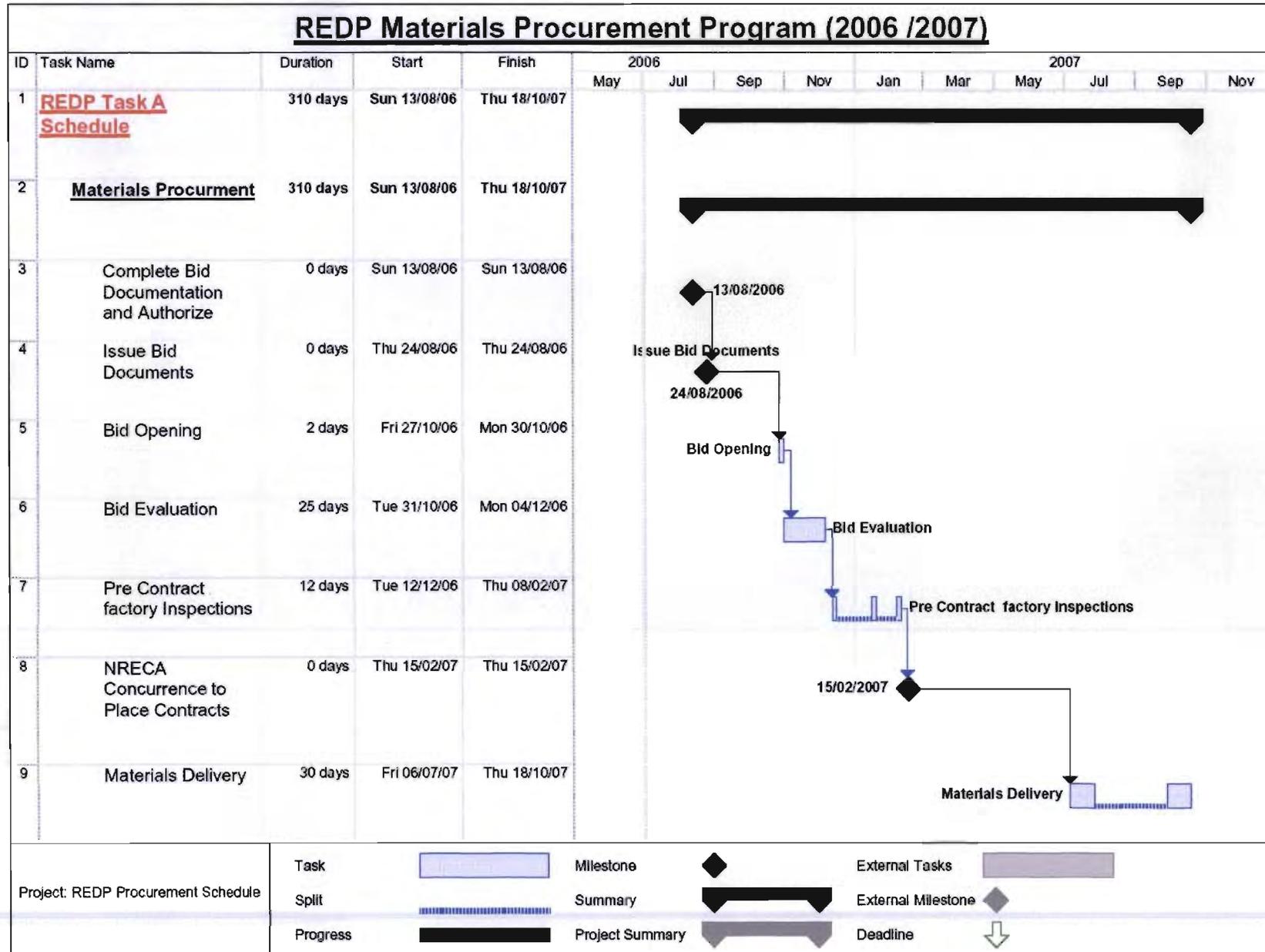
### **3.1.5 Materials Storage and Delivery**

Significant delivery of materials from manufacturers is considered unlikely during the first year of the project.

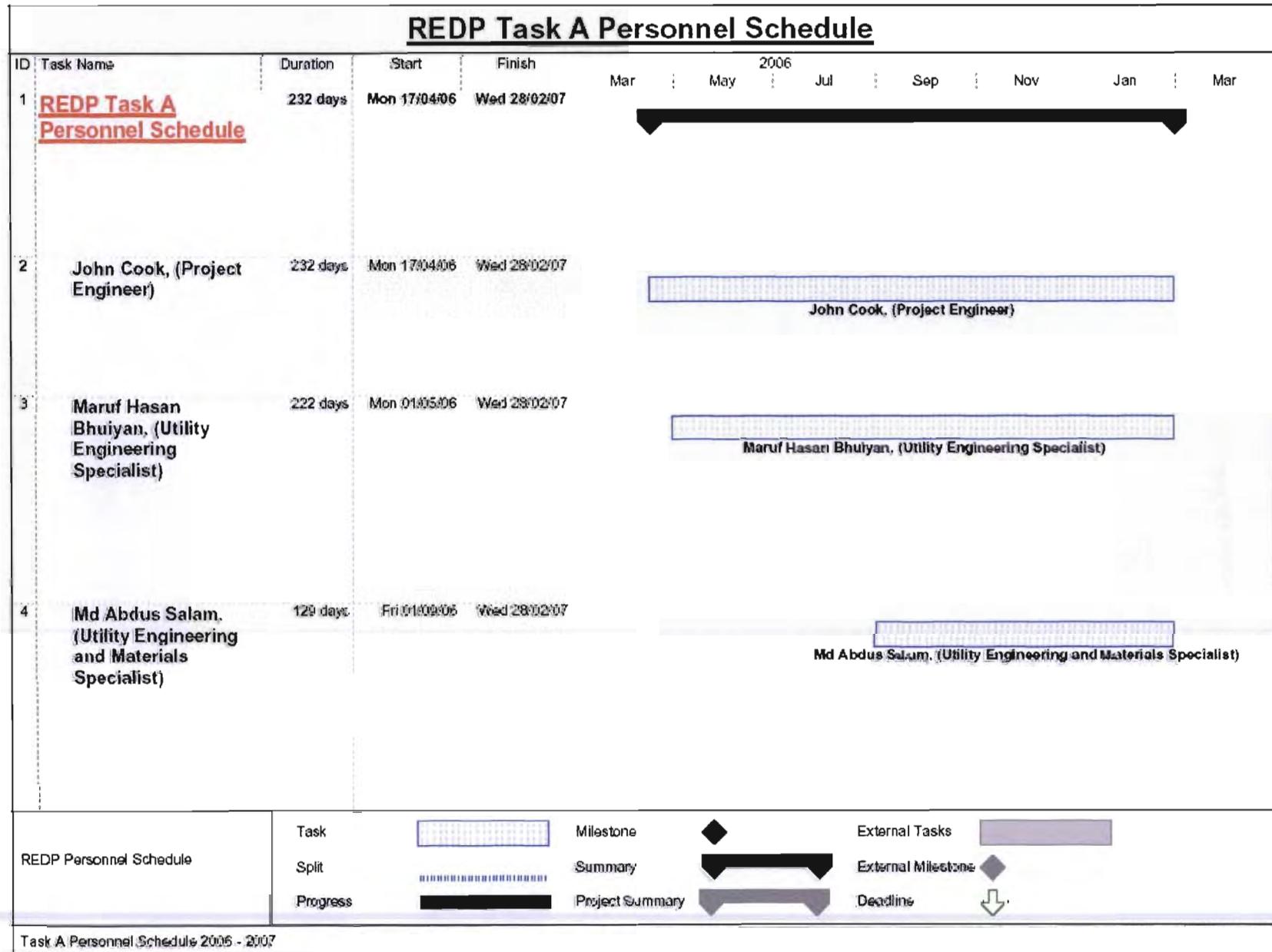
However, should materials be available ex stock or be quickly manufactured and are delivered prior to March 2007, NRECA will adopt the following procedure to monitor materials:

- Assist REB with materials inspection process following delivery to warehouses.
- Report on quality of delivered materials.
- Assist REB with pursuing any rectification requirements.
- Monitor distribution of materials to PBS.

3.1.6 Task A Schedule



3.1.7 Task A Personnel Schedule



### **3.2 Task B: Member Awareness Education And Board Development Programs**

#### **3.2.1 Principal Task Descriptions**

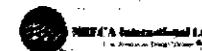
- Compilation of Task and Sub-Task of REB/PBS Member Services Personnel identified in TNA-Workshop held on July 19-20, 2006.
- Analysis the Task and Sub-task and specify the future relevant Training Needs.
- Field exploration to identify the further needs for Member Awareness/Education.
- Field trip to identify the areas for developing effective programs for both Boards and Members to enhance the quality of Governance at PBS level.
- Explore the scope for training utilizing the existing manuals and begin implementation.
- Consult with REB in identification of the initial group of six to eight PBS for member education and Board of Directors development for piloting these programs.
- Developing Training Outline for Member Service Personnel, Board of Directors, Village Advisors.
- Designing Curriculum on the basis of the findings.
- Developing new manuals on the basis of identified needs.
- MAEBD Team will work for Pilot Testing of the Curriculum Materials.
- Training Manual into Bangla.
- Monitoring and Evaluation of the activities.

#### **3.2.2 Member Awareness Education and Board Development Personnel**

The following personnel will be engaged in the REDP Member Awareness Education and Board Development Programs during 2006 through February 2007.

Narayan Chandra Saha	NRECA Local Management Consultant	Full Time
Brigadier (retired). M A Malek	Local Management Specialist	Part Time
A N Other	Expatriate Socio Economic Consultant	Part Time

**REDP WORK PLAN  
MARCH 2006 - FEBRUARY 2007**



**3.2.3 Work Plan for Member Awareness Education Board Development (MAEBD) Team**

Activities of Member Education and Board Development (MAEBD) Team	August 2006 - July 2007											
	2006					2007						
	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
(1) Compilation of Task and Sub-Task of REB/PBS Member Services Personnel Identified in TNA-Workshop held on July 19-20, 2006.	█											
(2) Analysis the Task and Sub-task and specify the future relevant Training Needs.	█	█	█									
(3) Field exploration to identify the further needs for Member Awareness/Education	█	█	█	█	█							
(4) Field trip to identify the areas for developing effective programs for both Boards and Members to enhance the quality of Governance at PBS level.	█	█	█	█	█	█	█					
(5) Explore the scope for training utilizing the existing manuals and begin implementation.		█	█	█	█	█	█					
(6) Consult with REB in identification of the initial group of six to eight PBS for member education and Board of Directors development for piloting these programs.			█									
(7) Developing Training Outline for Member Service Personnel, Board of Directors, Village Advisors.			█	█	█	█	█					
(8) Designing Curriculum on the basis of the findings.				█	█	█	█	█				
(9) Developing new manuals on the basis of identified needs.					█	█	█	█	█	█		
(10) NRECA MAEBD Team will work for Pilot Testing of the Curriculum Materials.						█	█	█	█	█	█	█
(11) Training Manual Into Bangla.						█	█	█	█	█	█	█
(12) Monitoring and Evaluation of the activities.	●	●	●	●	●	●	●	●	●	●	●	●

Local Management Specialist will be responsible for monitoring and Local management Consultant will be responsible for implementation.

### **3.3 Task C Socio-Economic Impact Assessment**

As discussed in the REDP quarterly report for the period April 2006 through June 2006, a significant power shortfall in Bangladesh is considered likely to have a detrimental affect on the anticipated REDP benefits within the project timeframe. The lack of power is considered to effectively negate demonstrable benefits within the project timescale.

However, establishment of baseline measurements will be effected at an appropriate time, with timing of the mid term and final measurements to be discussed and agreed as the project develops.

Experienced NRECA socio economic staff have indicated that undertaking a baseline study precipitately will have a disadvantageous affect on the veracity of the whole study. NRECA consider the socio economic baseline study should be realized at the same time as the electricity supplies are made available to participants in the study. As construction works and electricity connections using the DFID funded materials will not commence until early 2008, initial NRECA proposals to commission the socio economic baseline study as quickly as possible during 2006/2007 have been reconsidered.

A local consultant socio economist has been selected and will be contracted in August 2006 by NRECA to develop the survey. Development of the socio economic survey during 2006 / 2007 will involve formulating a TOR, managing selection of local consulting company to undertake the study, supervising the local consulting company and reporting findings.

During the period 2006 / 2007, NRECA will also utilize the part time services of an expatriate socio economist, Eric Gibbs, to provide assistance and oversight for the local consultant.

#### **3.3.1 Socio Economic Impact Assessment Personnel**

The following personnel will be engaged in the REDP socio economic impact assessment during 2006 through February 2007.

Kamal Dey	NRECA Local Socio Economic Consultant	Part Time
Tawheed Reza Noor	Local Socio Economic Consultant	Part Time
Eric Gibbs	Expatriate Socio Economic Consultant	Part Time

#### **3.3.2 Socio Economic Impact Assessment Baseline Study Preparation**

Although NRECA propose to commence the actual collection of baseline data at the time when electricity supplies are made available, significant preparation work will be necessary during the intervening period. This intervening period between now and commencement of electricity supply installation in the 9 PBS will be used to:

- Develop TOR for effecting the baseline and subsequent components of the socio economic impact study.
- Conduct limited field study to assist with developing TOR
- Prepare specifications for competitive selection of a local consulting company to effect the

socio economic survey.

- Effect bidding process and select a local consulting company to undertake the socio economic survey work.
- Prepare for commencement of baseline data collection.

3.3.3 Socio Economic Impact Survey Schedule

