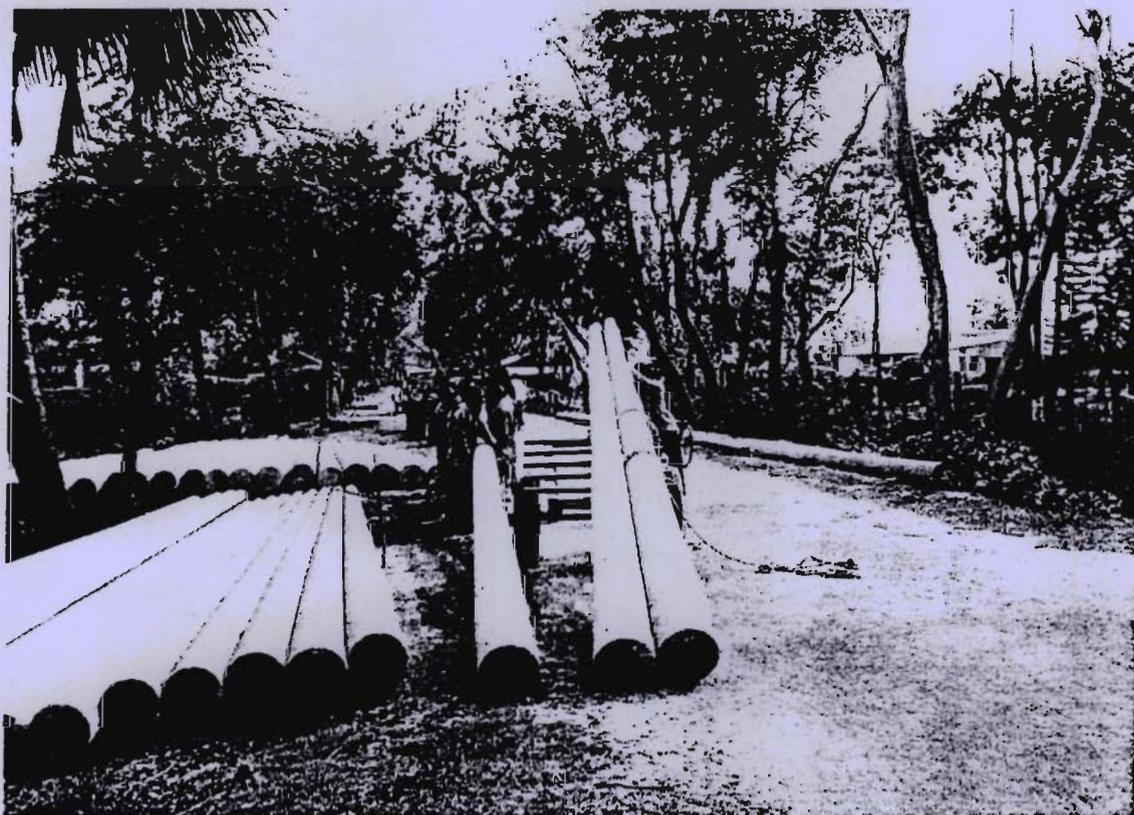


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Rural Electricity Development Program (REDP) Work Plan March 2007 – February 2008 Approved



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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 March 2007 through February 2008 has been formulated from the original NRECA submission for the REDP, incorporating any necessary modifications resulting from practical information acquired during the first year of the project.

During the project's first year NRECA focused mainly on the Materials Procurement Process of Task A. Both the Member Awareness Education and Board Development Task B and Socio-Economic Impact Assessment Task C proceeded forward but with lesser priority. Following two successful bid openings on 16 and 18 October 2006, the first tranche of the material procurement exercises culminated in March 2007 with completion of bid evaluations by REB and NRECA. On the basis of the initial bids, the Procurement Directorate of REB has awarded of 24 procurement contracts out of 35 and has opted for re-tendering of 6 sub-packages.

Following extensive consultation with REB, emphasis during the second project year will be placed on efforts to ensure that quality materials and equipment are being delivered, in compliance with the specifications accepted by the vendors. This will require some level of periodic inspection of commodities both pre/ post delivery to REB/PBSs. To facilitate possible requirements to conduct inspections during the period, some budget cost reallocations may be necessary. Budget reallocations will not affect the total costs of the project.

The second tranche of materials procurement has been scheduled to commence during August 2007. With the second tranche of procurement an opportunity will be taken to reinforce the positive aspects of the first tranche procurement, eliminate remaining anomalous bid conditions, and to try and improve competition.

Ensuring the procured materials are properly utilized will require monitoring material issuance according to the requirement of each project based on master plans. During the period of 2007-2008 NRECA will focus on the Subtasks of Task A related to verifying the planning and physical development of the PBS distribution systems by crosschecking a selected number of the PBS master plans and reviewing a sample of staking procedures.

Member Awareness Education and Board Development Program, Task B, will be expedited to meet the original NRECA proposal. Task B is less dependant on external factors outside of REB and PBS control than Tasks A and C, and consequently the work schedule for this aspect of REDP will follow the original plan.

The Socio economic impact study, Task C, is affected by two fundamental factors. Firstly, a power deficit is expected to continue throughout the duration of the REDP project, limiting both construction of system and the development of power usage. The Ministry of Power has specifically limited system construction to densification of existing networks, so new extensions are likely to be limited for some time, and this will limit the area in which impacts resulting from access to power are likely to occur. The shortage of power will also affect the willingness of consumers to undertake what would otherwise be normal investments in power consuming equipment, which will also affect the outcome of the impact study. In particular the potential improvements in commercial activity are likely to be limited due to unwillingness to risk investment in the face of inadequate power supply. Nonetheless, the commencement of a baseline study will be undertaken, but unfortunately, within the project timescale of five years, a follow up study to assess impact is considered most unlikely to indicate anticipated results.

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. As has been the case to date with the REB program, the PBSs who receive the infrastructure improvements will recover the full cost of operation, maintenance and asset replacement through user charges on the basis of low interest loans from REB.

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 benefiting 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. Grid expansion, which is expensive but essential, intensification, which is less costly, but connects large numbers of customers to existing infrastructure, and some 33kV subtransmission improvements. DFID will pay for the foreign exchange elements, which are heavier in main grid expansion than intensification work while 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.

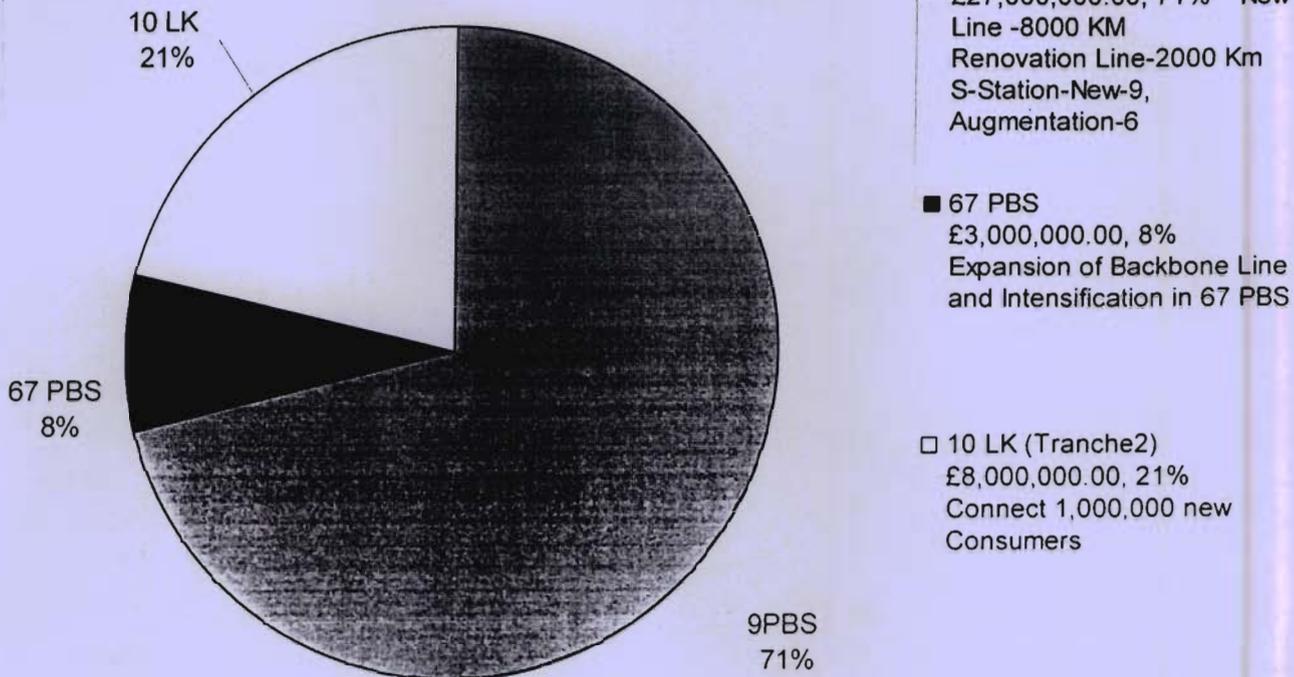
Second, DFID will support intensification in 56 existing PBS, at the cost of £8 million. This will involve the construction of one and two-pole lines 35 to 100 meters long from existing lines, linking households and enterprises located near the backbone grid. It will connect 1,000,000 new consumers with 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".

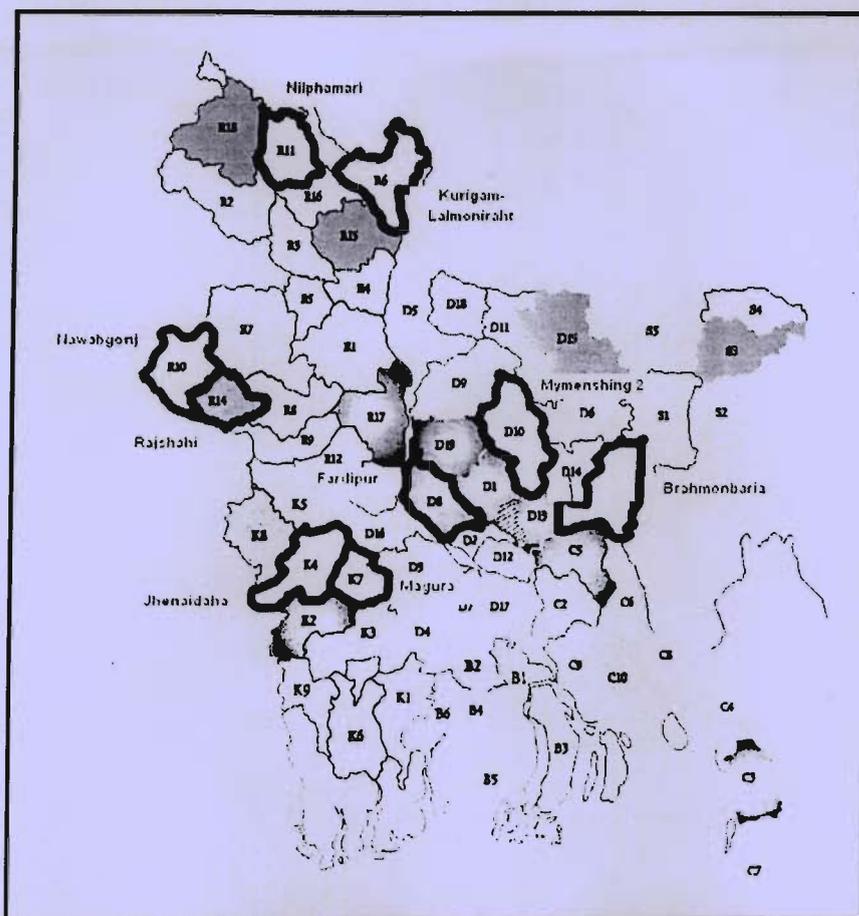
(Extracted from DFID Project memorandum for REDP)

Contribution of DFID – Project wise (9PBS, 67 PBS & 10 Lakh Consumer) for material procurement
£38 million

REDP Project Wise Fund Allocation



1.2 9PBS 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
	Godagan	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
Brahmanbaria	Tanore	Rajshahi	295.39	207	138015	Mymensingh-2	Bhaluka	Mymensingh	444.05	102	264991
	Akhaura	Brahmanbaria	99.28	125	112982		Gafargaon	Mymensingh	401.16	218	379803
	Bancharhampur	Brahmanbaria	217.38	118	258371		Tnshal	Mymensingh	338.98	160	338797
	Brahmanbaria	Brahmanbaria	495.85	398	659449	Sreepur	Gazipur	465.24	186	320530	
	Kashba	Brahmanbaria	209.76	238	243833	Magura	Magura	Magura	406.50	252	286925
	Nabnagar	Brahmanbaria	353.66	198	378539		Mohammadpur	Magura	234.29	182	160340
Nasirnagar	Brahmanbaria	311.66	129	234090	Shalikha		Magura	228.64	118	132291	
Jhenaidah	Sharail	Brahmanbaria	239.52	146	254481	Faridpur	Sreepur	Magura	179.18	160	144471
	Hannakunda	Jhenaidah	227.19	129	162078		Alfadanga	Faridpur	136.00	118	90873
	Jhenaidah	Jhenaidah	467.75	283	333192		Bhanga	Faridpur	216.34	227	214702
	Kaligonj	Jhenaidah	310.16	196	219128		Boalman	Faridpur	272.34	255	190159
	Koilchandpur	Jhenaidah	165.66	79	107193		Char Bhadrasan	Faridpur	141.59	129	69876
Kurigram	Maheshpur	Jhenaidah	416.98	194	248350	Fandpur	Faridpur	407.02	298	335386	
	Shaikupa	Jhenaidah	373.42	258	293341	Madhukhali	Faridpur	230.20	238	165438	
	Bhurungaman	Kurigram	236.00	124	176822	Nagarkanda	Faridpur	379.02	335	287193	
	Chilman	Kurigram	224.97	152	100516	Sadarpur	Faridpur	290.21	287	172059	
	Fulbari	Kurigram	163.83	165	129668	Nilphamari	Dimla	Nilphaman	327.00	58	160000
	Kungram	Kurigram	276.45	256	217311		Domar	Nilphaman	251.00	47	152000
	Nageshwan	Kurigram	415.30	367	279775		Jaldhaka	Nilphaman	326.00	77	199000
Rajarhat	Kurigram	166.23	180	158648	Kishoreganj		Nilphaman	265.00	130	202000	
Ulipur	Kurigram	504.19	418	345205	Nilphaman	Nilphaman	351.00	107	242000		
Total Area (Square km)	15,371										
Total Population	11,696,570										

1.3 Contractual Project Tasks

1.3.1 Task A: Supervision and Monitoring:

The Supervision and Monitoring Task will require involvement with 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 following material procurement 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 modicum of periodic inspection of these commodities either prior to or 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. A solicitation process will be carried out with the objective of selecting a socio economic contractor to perform a baseline study of conditions existing prior to project implementation and a follow up study at the end of the project. The study design will involve assessing not only before and after conditions in the areas electrified by the projects, but before and after conditions in a control group of un-electrified villages to ensure that the impacts identified are actually due to electrification and not to general economic improvement. In addition, 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.

1.4 Project Team for March 2007 through February 2008

Anticipated project team for the REDP during the period June 2007 through May 2008 will consist:

<u>Person</u>	<u>REDP Duties</u>	<u>Tenure</u>
James M. Ford	Chief of Party	Full Time
James VanCoevering	Engineering Director	Part Time
Eric Gibbs	Socio Economist	Part Time
E.D. Stanley	Material Inspection Consultant	Part Time
Maruf Hasan Bhuiyan	Project Engineering	Full Time
Md Hasibur Rahman	Project Engineering	Full Time (Commencing October 2007)
Shafiquzaman	Project Engineering	Part Time (Commencing September 2007)
ATM Selim Jahid Faruque ABM Firoz Zillur Rahman Zakir Hossain	GIS Team	Part Time (Commencing October 2007)
Tawheed Reza Noor	Socio Economic Consultant	Contracted Part Time
Brigadier (rtd) M A Malek	Local Management Specialist	Part Time
Narayan Chandra Saha	Education and Training Specialist	Full Time
Another	Cooperative Development Specialist	Part Time
Another	Local Engineers Master plan field team	Part Time

Note : James M. Ford currently serving as NRECA's Country Director in Bangladesh has provided project leadership on a part time basis while engaged as Team Leader of the Rural Power for Poverty Reduction (RPPR) II Program which concludes in September 2007. His involvement with REDP will become full time in October 2007.

SECTION 2: PRIMARY OBJECTIVES

2.1 Primary Objectives (March 2007 through February 2008)

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.
- Assist REB with materials procurement under the second tranche of project procurement to verify, or otherwise, compliance with GOB Public Procurement Policy 2003.
- Report on REB compliance with REDP and GOB requirements.
- Review REB bid evaluation process and if acceptable to provide concurrence on proposed contract awards.
- Assist REB with re-evaluation when bid evaluation is considered not acceptable.
- Conduct Pre-contract factory inspections when appropriate.
- Conduct pre delivery inspections for specific materials such as meters and transformers.
- Assess materials storage and delivery to PBS.
- Crosschecking a selected number of the PBS master plans.
- Review PBS construction plans.
- Review selected Staking procedures.
- Report on progress of Task A in accordance with contractual requirements.
- Report 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 to:

- Establish an education and training program for new PBS members and a certification program for directors.
- 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:

- Complete process of selection of a local company to carry out the baseline and impact socio economic studies
- Supervise completion by the local company of the baseline Socio Economic Studies
-
- 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 February 2008 are to concentrate on meeting the requirements of the materials procurement process, carrying out periodic inspection of these materials both pre and post delivery to REB/PBS and review project PBSs master plans .

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.

Experience with the first tranche of procurements have indicated a high level of competence and knowledge about procurement techniques on the part of REB personnel. 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. However, NRECA has observed the need to verify that commitments made by suppliers with respect to compliance with specifications are in fact met, so as to maximize value from available funds. NRECA has also observed the need to update some technical specifications to reflect advances in the industry and has therefore proposed increasing the involvement of NRECA engineering personnel in the activity.

In all, procurement of materials will be realized in three tranches. REB Procurement Directorate has awarded contracts for most of the sub-packages (24 sub-packages out of 35) in first tranche, and delivery of materials from manufacturers is considered likely to begin from June 2007. To ensure the quality of these materials Inspection and Testing Directorate of REB is carrying the pre/post inspection and testing of these materials and NRECA representatives are closely monitoring this activity.

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 late August or September 2007.

Parallel to the 2nd tranche material procurement, preliminary work for supervision and monitoring of construction work will begin. These Subtasks include assessing materials storage and delivery to PBS; crosschecking a selected number of the PBS master plans in order to confirm that the key elements of the master plan development and updating process are being properly incorporated; reviewing PBS construction plans and reviewing of selected sampling of staking procedures.

A "Master Plan Field Team" comprised of sub- teams of local engineers who will travel to the field to conduct the above mentioned crosschecking using criteria developed by NRECA's local project Engineers with the support of the NRECA expatriate Engineering Director. NRECA will utilize a geographic information system (GIS) techniques to collect the required field information and provide a platform for comparison between the master plans and actual results.

In addition to the DFID general requirements, four core procurement monitoring subjects were identified and will be followed as requiring special attention.

1. **Bid Packages:** NRECA shall monitor the appropriateness of bid package size and financial value for soliciting sufficient national and international bidding to ensure genuine competition. NRECA staff will also update critical technical specifications to reflect the state of the art in the industry.

2. Unfair Conditions for Bidders: NRECA shall monitor bid documentation for any unfair conditions.
3. Advertising: NRECA shall monitor materials procurement advertising to ensure sufficient attention is given to attracting genuine competition.
4. Concrete and Wood Poles: NRECA shall monitor existing pole stocks and appraise usage of new poles purchased under REDP.

These core subjects will be closely monitored during the procurement process.

Schedule for components of Task A is provided in Section 3.1.5 to 3.1.6

3.1.1 Supervision and Monitoring Personnel

The following personnel will be engaged in the REDP supervision and monitoring process during March 2007 through February 2008

Jim Ford	NRECA Country Director	Project Overview
James VanCoevering	Engineering Director	Part Time
E.D. Stanley	Material Inspection Consultant	Part Time
Maruf Hasan Bhuiyan	Project Engineer	Full Time
Hasibur Rahman	Project Engineer	Full Time
Shafiquzaman	Project Engineer	Part Time
ATM Selim Jahid Faruque ABM Firoz Zillur Rahman Zakir Hossain	GIS Team	Part Time
E.D. Stanley	Material Compliance Inspector	Part Time
Other contractors	Local Engineers Master plan field team	Part Time

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.

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.

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. In some cases this will involve additional inspections by NRECA personnel to supplement those inspections being carried out by REB staff.
- 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.

3.1.3 First and Second Tranche Material Procurement Plan Project wise

Diagram 67 PBS Materials Composition and Anticipated Contract Costs.

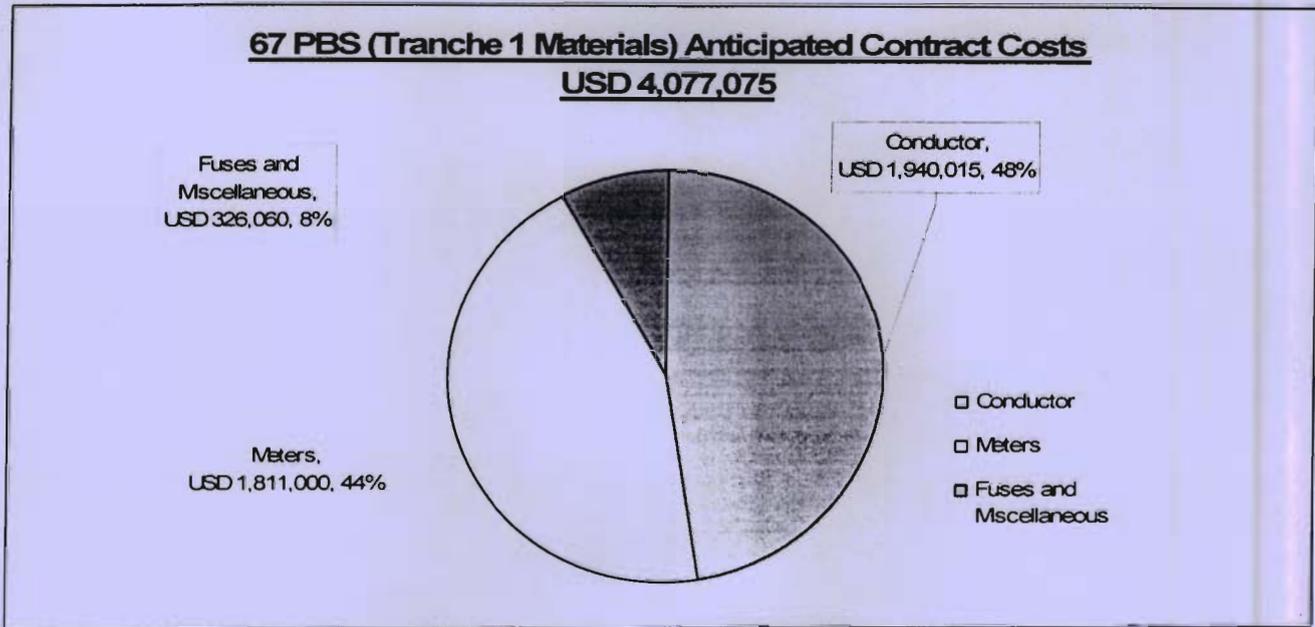


Diagram 09 PBS (Tranche-1) Materials Composition and Anticipated Contract Costs.

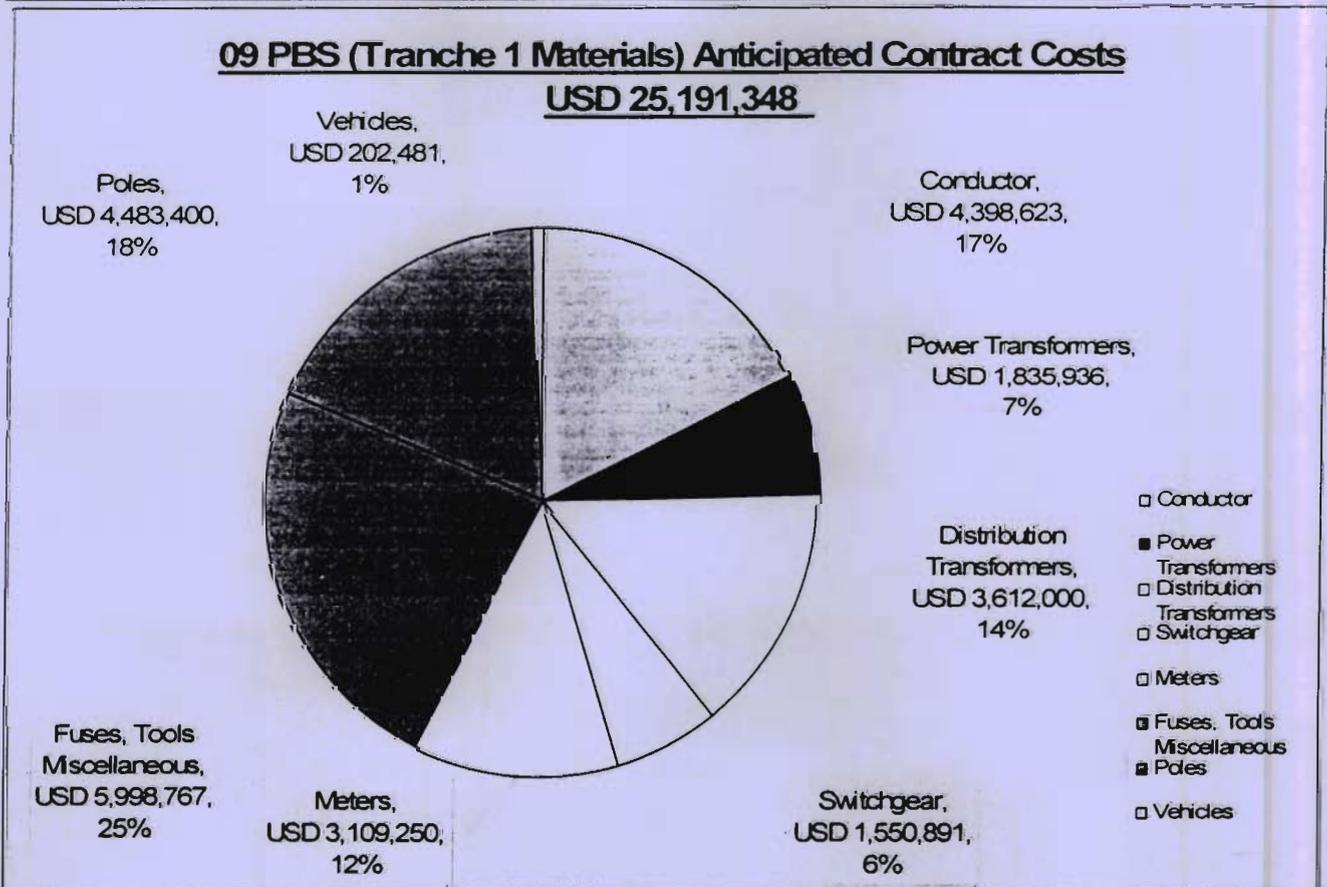


Diagram 9 PBS (Tranche-2) Materials Composition and Estimated Contract Costs.

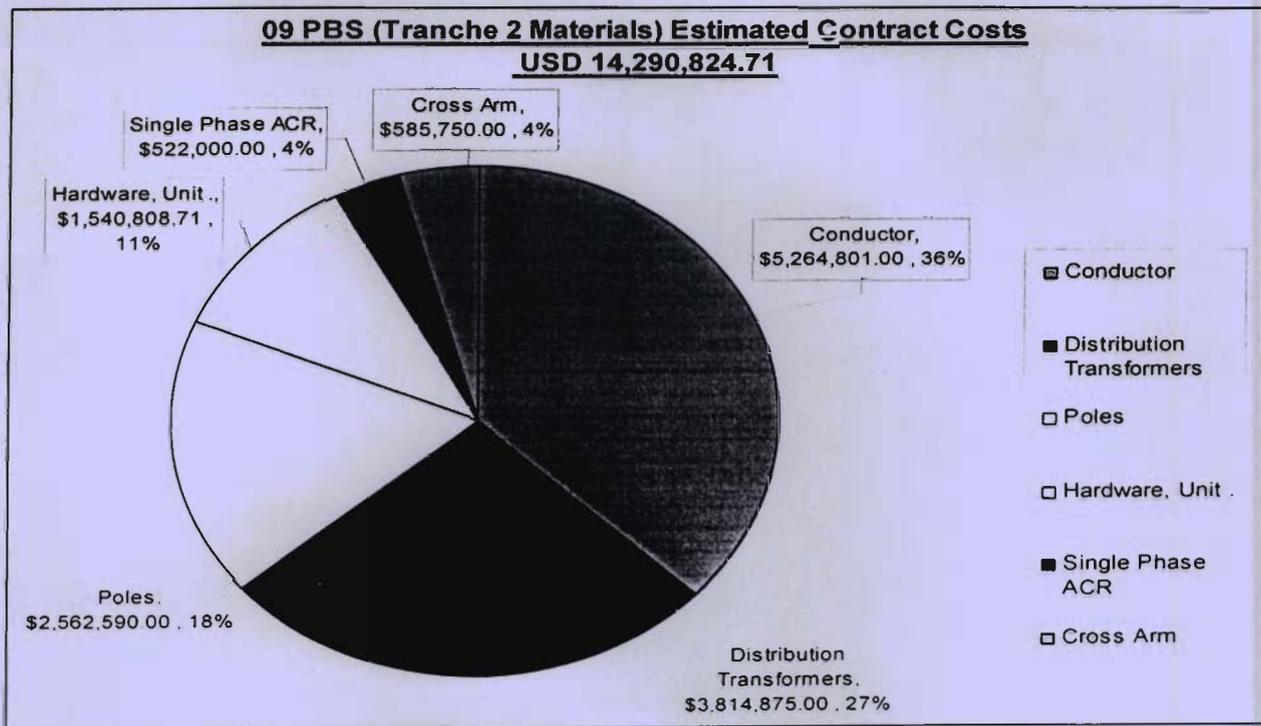
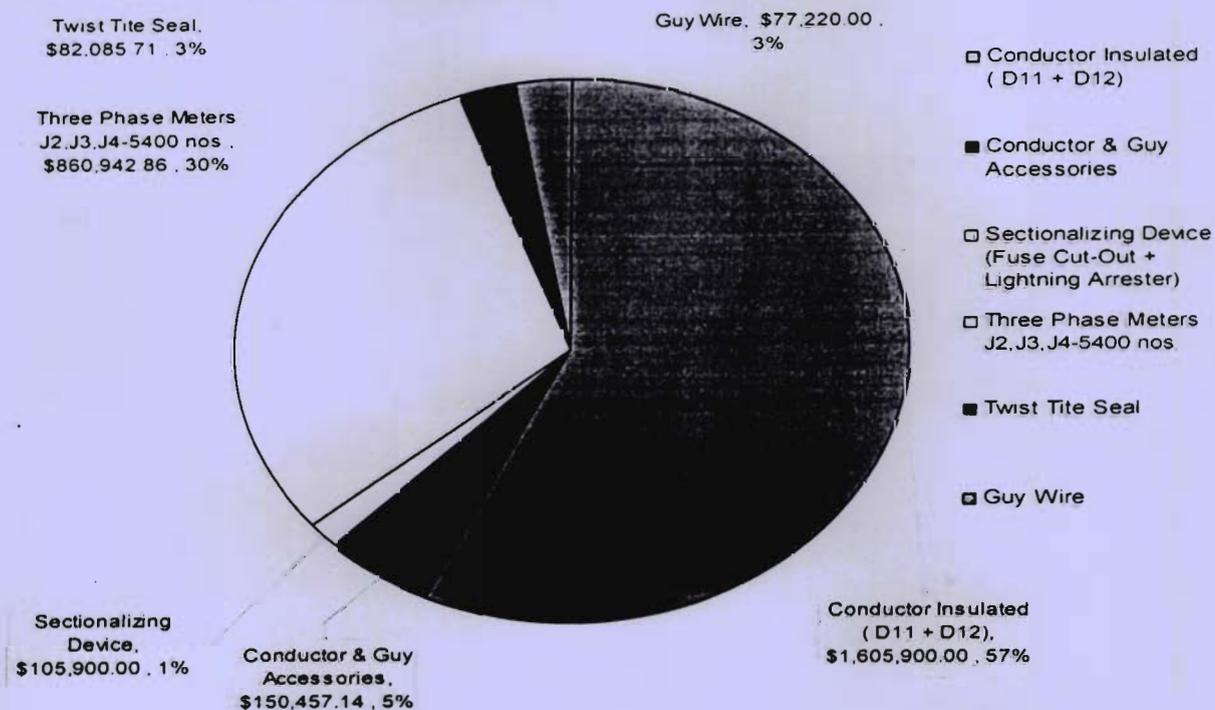


Diagram 10 Lakh Consumer Connection Under Existing PBSs Distribution Line (Tranche-1) Materials Composition and Estimated Contract Costs.

10 Lakh New Consumer Connection Under Existing PBSs Distribution Line
(1st Tranche Materials) Estimated Costs USD 2,824,262.86



3.1.4 Monitoring of Materials Usage

REB will utilize DFID funded materials for ongoing REDP construction projects. The construction projects are to be formulated from the individual PBS master plans. As DFID funded materials have yet to be delivered, NRECA are in the process of preparing the monitoring methodology.

Monitoring Methodology

Indicated below are basic considerations for monitoring the usage of DFID funded materials:

Task 1: Storing DFID funded materials at Khulna Warehouse

Significant delivery of materials from manufacturers is considered likely during June 2007 - February 2008 of the project.

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.
- Assist Khulna Warehouse personnel with acceptable storage of all materials.
- Check for the segregation of DFID materials from existing REB where practicable.
- Assist REB warehouse staff to selectively tag DFID materials to enable identification at PBS warehouse and during construction phase.
- Monitor distribution of materials to PBS.

Task 2: DFID funded Material at PBS

- Assist PBS Store personnel with storing all DFID funded materials in a separate place from existing materials.
- Randomly monitor issues of materials to construction contractors to check correct quantities.

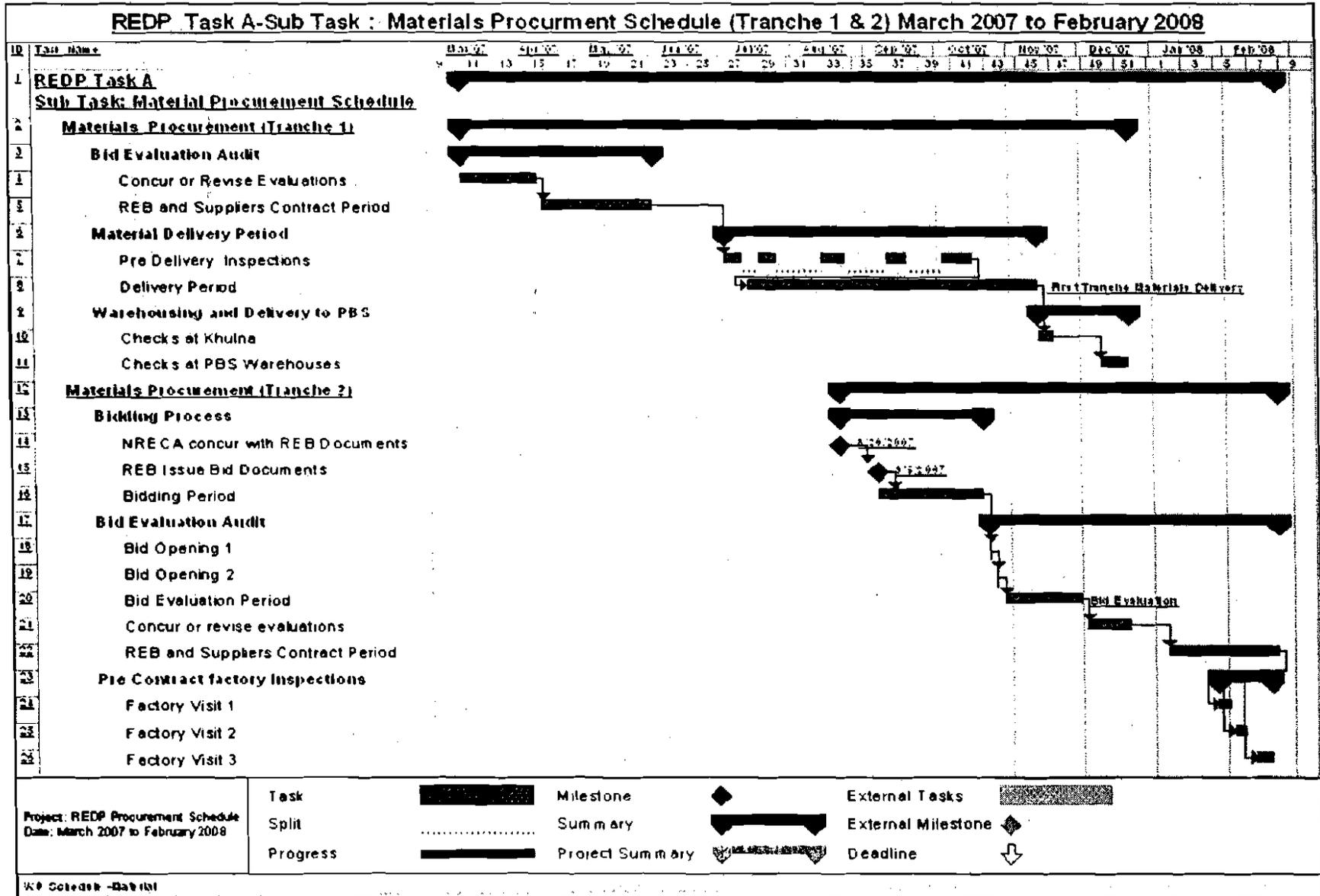
Task 3: Monitoring of Construction Work in 9 PBS.

- Review selected sampling of staking procedures.
- Conduct regular inspections of construction works in each PBS.
- Review and Compare detailed construction plans with master plans.
- Compare material quantities issued with work effected.
- Monitor construction quality and compare with REB standards.
- Monitor category of customer connections with reference to DFID criteria.

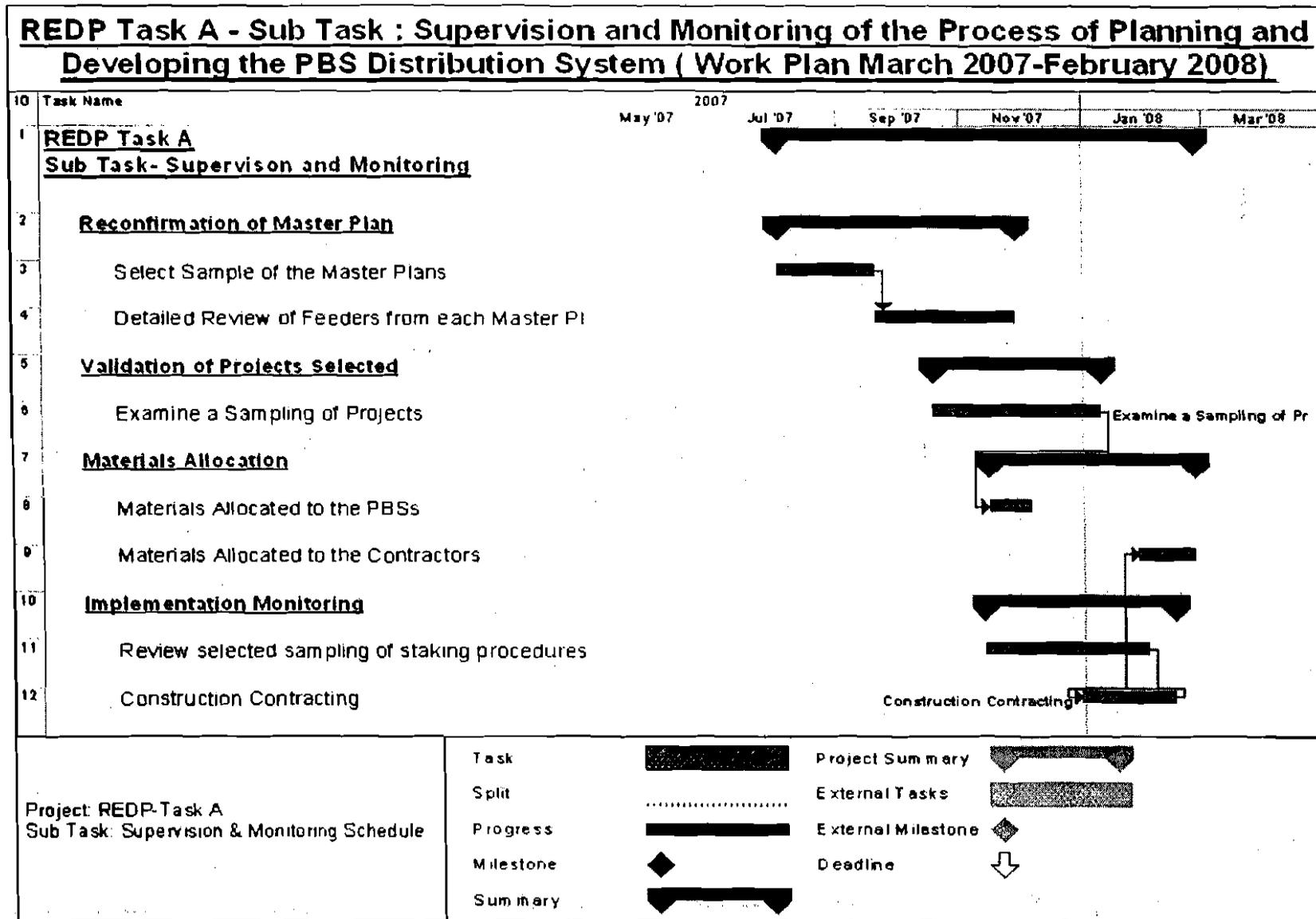
Task 4: Monitoring of materials usage in 67 PBS.

- Monitor progress of construction works and compare with issue of DFID materials.
- Check meter issues and compare with new customer connections.
- Randomly monitor issue and installation of DFID procured meters.

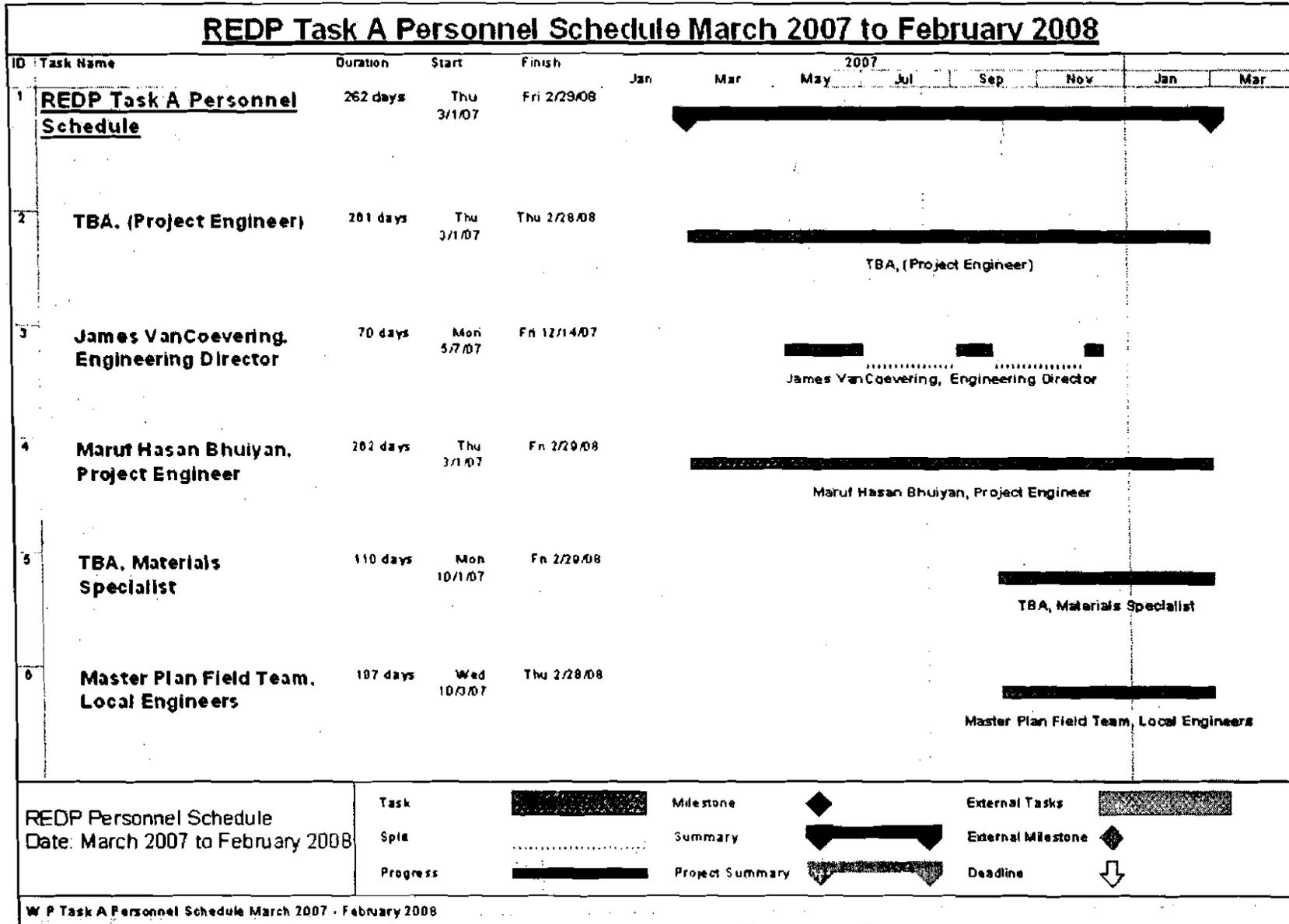
3.1.5 Task A –Sub Task: Material Procurement Schedule



3.1.6 Task A -Sub Task: Supervision and Monitoring 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

- Explore the scope for training utilizing the existing manuals and begin implementation.

Member Education Activities

- Develop Training Outline for Member Service Personnel, Board of Directors, Village Advisors, Village Electricians, Teachers, Imams, etc.
- Design Curriculum on the basis of the Training Outline
- Develop new manuals on the basis of identified needs. MEBD-Team will work for pilot-testing of the Curriculum Materials.
- Complete Pilot Testing of the Curriculum Materials.
- Conduct Workshops on Member Education at PBS level (3 per PBS at 9PBS).
- Conduct joint evaluation with REB & PBSs on the effectiveness of the initial twenty seven Workshops on Member Education.

Board Development Activities

- Design and review the curriculum on one-day Orientation Course for Board Development to be conducted as a Field Program as means of expediting the training and development of Directors in advance of their normal Orientation Program at REB.
- Develop the new materials for this one-day field program for PBS Directors.
- Pilot-Test the curriculum for one-day Orientation Course for Board Development.
- Finalize and print the Manual on Orientation Course for PBS Board of Directors.
- Complete development of revised Orientation Program which was started under RPPR II and proceed with approvals per the normal curriculum review process.
- Work with REB Training Directorate for implementation of standard Board Training Programs (New RPPR II Programs including Orientation and understanding Form 550) for PBS Directors at REB or in PBSs.

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 March 2007 through February 2008.

James Ford	NRECA Country Director	Part Time
Narayan Chandra Saha	NRECA Local Management Consultant	Full Time
Brigadier (retired). M A Malek	Local Management Specialist	Part Time

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

Activities of Member Education and Board Development (MEBD)-Team	March 2007 - February 2008											
	2007										2008	
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Explore the scope for training utilizing the existing manuals and begin implementation.	██████████											
Member Education Activities												
Develop Training Outline for Member Service Personnel, Board of Directors, Village Advisors, Village Electricians, Teachers, Imams, etc.	██████											
Design Curriculum for new Member Education (ME) program on the basis of the Training Outline	██████████											
Develop new ME materials/manual on the basis of identified needs.		██████████										
Pilot-Test of the new ME Curriculum Materials.			██████████									
Conducting Workshops on ME at PBS level.					████████████████████							
Conduct Joint Evaluation with REB & PBSs on the Effectiveness of the Twenty Seven Workshops on Member Education.									██████			
Board Development Activities												
Design and Review the Curriculum on Orientation Course for Board Development (One-day Field Program) as means to expedite some training						██████						
Develop the new manual for Board Orientation						██████						
Pilot-test the Curriculum on one-day Orientation Course for Board Development.									██████			
Finalize and Printing the Manual on one-day Orientation Course for PBS Board of Directors								██████████				
Develop the new manual for Board Orientation						██████						
Working with REB Training Directorate for Implementation of standard Board Training Programs (New RPPR II Programs including Orientation and Understanding Form 550).							████████████████████					

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 to newly connected consumers 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 staffs 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.

NRECA commenced a selection process for an experienced local consultant in, 2007, a process that is continuing and is expected to be completed early in the next reporting period.

3.3.1 Socio Economic Impact Assessment Personnel

The following personnel will be engaged in the REDP socio economic impact assessment during 2007 through February 2008.

James Ford	NRECA Country Director	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 complete contracting process for a local consultant and work with them to prepare a sampling plan and the necessary questionnaires.

3.3.3 Socio-Economic Impact Study

For socio-economic impact study of REDP, supports will be ensured under two broad heads including firm selection process and commencement of baseline study in this fiscal year (March 2007 – February 2008).

Firm Selection Process

- Finalize RFP with input from Stakeholder (REB, DFID, USAID) for Socio-economic Impact Assessment (SEIA) for REDP, a request for proposal will be developed and circulated to all potential consulting firms along with the TOR of this assessment.
- Organize and provide support in the orientation workshop for all participating firms for the bidding process of REDP Socio-economic Impact Study; the purpose of this workshop will be to align understanding of all participating firms about the proposed task at the same level.
- Form a Proposal Evaluation Team (PET) including people from REB, DFID and NRECA, which will be responsible for evaluating/assessing the technical proposals and rank the proposals following a systematic scoring procedure.
- Organize and provide support in the workshop for formal presentation of the methodologies; this workshop will help all PET members and other concerned to have a clear idea about the methodologies to be proposed by the participating firms as part of proposal evaluation.
- Work with PET to finalize ranking of proposals/firms and select top ranked firm to negotiate final costs.
- Provide input in the expected sample design for the SEIA of REDP; from NRECA's side it is important to have a clear and acceptable sample design for this assessment which is to be negotiated with the firm to be selected for this task.
- Assist in developing the agreement and contracting out the assignment to the selected firm per requirements from NRECA Arlington and USAID/Dhaka.

Conduct of Baseline Survey

- Review and provide inputs to the data collection instruments; the main purpose of this task will be to crosscheck if the data collection instruments capture all aspects to meet the objectives set for this socio-economic impact assessment.
- Monitor the training of survey team members being conducted by the selected firm in order to ensure quality being maintained. This will help to build a clear understanding about the data collectors and facilitators
- Monitor data collection for field survey work by perform field trips on a random basis to see quality being maintained in data collection; the purpose of this field trips will be to observe whether the data collection being performed as expected
- Review and provide inputs to the design for data analyses and data analyses plan
- Review and provide feedbacks to the draft for the baseline survey of REDP

3.3.4 Socio Economic Impact Survey Schedule March 2007 to February 2008

