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MONTHLY REPORT - II AUG. – SEP. 2010

REPAIR AND REHABILITATION OF MUZAFFARGARH THERMAL POWER STATION

USAID: NPGCL FIXED AMOUNT REIMBURSEMENT AGREEMENT
NO. 391-MUZ-FARA-004-00

September 2010

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1. SUMMARY

The report presents progress on monitoring and support for NPGCL Repair and Rehabilitation program for the months of Aug-Sept 2010. Several meetings were arranged between AEAI, Central Control Cell (CCC) WAPDA and NPGCL to discuss the progress and the support required to effectively monitor and implement the NPGCL Repair and Rehabilitation program.

NPGCL's progress on procurement of FARA items is progressing but still requires well coordinated efforts to expedite the process in order to meet the FARA stipulated timelines. Major issue is the delay in the procurement process itself, which as per the FARA needs to be carried out through CCC under the PEPRA and PEC rules. The first equipment (FARA item # 4) arrived on July 09, 2010 and inspection was carried out by the AEAI expert on site. However, payment for the specific item has not been reimbursed to WAPDA since a certificate of compliance is required from CCC for all procurement under the FARA.

AEAI in its monitoring and support role facilitated NPGCL and CCC in reaching a Memorandum of Understanding, which was signed on the 17th of Sept 2010. The USAID Mission actively has supported the preparation of this MOU and its usage when deemed necessary. According to this MOU CCC will issue a certification of compliance for procurement of equipment carried under PEPRA/PEC rules and in case of dispute, NPGCL will have the right to submit an appeal for resolution to the USAID Energy Office and the Ministry to Water and Power. For the first equipment mentioned above, NPGCL has already submitted an appeal on Sept 28, 2010 as provided for under the MOU, since there was disagreement on the part of CCC regarding the procurement process. A decision in this regard is awaited from USAID Energy Office and Ministry of Water and Power. Details are provided in Annex C.

In addition to this, the procurement process for 4 lots out of 29 lots needs to be initiated. The D.C. Storage batteries (FARA line item # 8), which was a local currency Purchase Order has also been supplied on September 4, 2010.

Issues pertaining to the slow procurement process were discussed with the CEO of Muzaffargarh TPS. It was observed that despite ratification of new Book of Financial Powers (BFP) on July 21, 2010 by the NPGCL Board of Directors (BOD), the GENCO has not yet started procurement of the remaining items in concurrence with Central Contract Cell (CCC) rules and regulations. There are still unresolved disputes between CCC and NPGCL related to the procurement process which are causing unnecessary delays.

In regards to the hiring of the Procurement Specialist, an AEAI expert participated in the interview of a Procurement Specialist held on 6th September, 2010. AEAI in ensuring that the TOR for the procurement specialist, as specified by USAID, is being strictly adhered to and that the selection of the winning candidate is transparent and on merit. A copy of the TOR is attached in Annex B. Subsequent to the interview, an evaluation sheet was compiled which was signed by the concerned authorities, also attached in Annex B.

The final approval regarding selection of the procurement specialist is awaiting Board of Directors meeting, which is expected this month.

2. KEY MEETINGS

A meeting between AEAI staff and NPGCL was held on 6th Sept 2010 at Muzaffargarh Thermal Power Station to discuss the FARA monitoring and support plan and participation in the hiring process of the procurement specialist.

3. PROGRESS ON MONITORING AND SUPPORT

Lot no.	Description of Work	COMPLETION DATES				Remarks
		FARA	NPGCL Scheduled	Last Month	Current Month	
1	Rehabilitation of Boiler Super Heater Tubes to Overcome Failure of Tubes Units 1,2&3	1-Jun-2011	21-May-2011		21-May-2011	Material is expected to arrive at site in October, 2010 and subsequently, during successive shutdowns of three units each for two months, installation and commissioning will be done by supplier.
2	Replacement of Cold layer element for RAH for units 2&3 (item # 4)	30-Nov-2010	31-Aug-2011		Activity Completed in September '10	Material received at site on 09.07.2010. Inspection carried out. And reimbursement request submitted on 30.08.2010.
3	Air Pre-Heater Elements (Intermediate) 2 sets for Unit 4 (item # 11)	30-Sep-2010	3-Feb-2011		3-May-2011	The case is going through the process of CCC vetting and file is with End User to reply to CCC comments.
4	I.D. Fan Rotor/Impeller along with Housing and Dampers (04 Set). Units 5&6 (item # 20)	31-Dec-2010	21-Jan-2011		21-Feb-2011	P.O. No .4206. dated 21.06.2010, issued from GM(Th) office Lahore. L/C opened on 12.08.2010.
5	MK Breakers, Seal Oil Coolers, PMG. Units 5&6 (item # 37)	28-Feb-2011	11-Jan-2011		11-Jan-2011	P.O. Nos.4191, 4189 & 4186 issued and L/Cs opened on 6.7.2010.
6	Special Cooling Water Treatment. Units 1,2&3	31-Dec-2010	29-Jan-2011		31-March-2011	Procurement cases not initiated in the previous FY due to financial constraints. These are now to be initiated after delineation of CCC and NPGCL roles.
	Special Cooling Water Treatment as being used at IPP's. Unit 4	15-Nov-2010				
	Special Cooling Water Treatment as proposed for Units 5&6	15-Nov-2010				
7	Use of Fuel Oil Additive as on Unit-4 (200 Tons). Units 1,2&3	31-Dec-2010	6-Feb-2011		30-April-2011	Procurement cases were not initiated in the previous FY due to financial constraints. These are now to be initiated after delineation of CCC and NPGCL roles.
	Use of Fuel Oil Additive (100 Ton). Unit 4	31-Dec-2010	6-Feb-2011			
	Use of Fuel Oil Additive (150 Ton). Units 5&6	15-Nov-2010	6-Feb-2011			
8	Electric motor for C.T. Fan (02 No). Units 1,2&3	1-Apr-2011	8-Apr-2011		8-June-2011	Tender T-1727 opened on 22.07.2010. Evaluation of bids I and clarification are being sought by End User.
	Electric motor for GRC fan. (01 No). Units 1,2&3	1-Feb-2011				

9	Re-blading of LP Rotor (LP Turbine Rotor blades of row 6&7, pins & locking device) Item # 10	1-Sep-2011	1-May-2011		1-July-2011	Tender T-1730 opened on 15.07.2010. Evaluation and clarifications from supplier being obtained by End User.
10	Training and Software/Hardware Cost for CMMS and Off-line Efficiency Monitoring System. All Units	30-Jun-2011	30-Jun-2011		30-Sep-2011	Tendering was not initiated in the previous FY due to financial constraints. These are now being initiated by NPGCL after ratification of new Book of Financial Powers (BFP).
11	IP Turbine Rotor (01 No). Units 5&6	31-Aug-2011			7-Nov-2011	The cases were not initiated in the previous FY due to financial constraints. These are now being initiated by NPGCL after ratification of new Book of Financial Powers (BFP).
	Turbo-Generator Bearings (09 Nos). Units 5&6 (One set of bearing for Turbine, Generator and Exciter consists of nine bearings)	31-Aug-2011	7-Aug-2011			
12	Modification of Excitation system (1 set). Unit 1,2&3 (Modification/up-gradation is required as the spare cards and components of electronic control circuitry have become obsolete)	31-May-2011	21-Mar-2011		31-Aug-2011	Procurement cases not initiated in the previous FY due to financial constraints. These are now being initiated by NPGCL after ratification of new Book of Financial Powers (BFP).
	Up-gradation of AVR System (01 set). Unit 4	31-Aug-2011	21-Mar-2011			
	Modification of Excitation System (02 set) Units 5&6	July 31,2011	31-May-2011			
13	Procurement of Cooling Tower Fan Gear Box & its Parts. (06 No. gear box). Units 5&6	31-May-2011	31-May-2011		31-July-2011	Tender T-1723 was opened on 19.07.2010 and its evaluation is being done since 23.08.2010.
	Procurement of 0.4KV Motors for Cooling Towers Fan and APH (02 No) Units 5&6	31-May-2011	31-May-2011			
14	Up-gradation of Furnace safety Supervisory System (FSSS) (01 set). Unit 4	30-Sep-2011	23-May-2011		31-Jul-2011	Tendering was not initiated by GM TH office in the previous FY due to financial constraints despite submission of demand in April and a reminder in August, 2010. These will now be initiated by NPGCL after ratification of new Book of Financial Powers (BFP).
	Rehabilitation of Furnace safety Supervisory System (FSSS) including Furnace Camera, Flame Monitoring & Ignition System, Units 5&6	31-Jul-2011				

15	D.C. Storage Batteries (01 Set). Units 1,2&3 (item # 8)	31-Dec-2010	15-Oct-2010		Activity completed in September	Material arrived and request for inspection also submitted by NPGC.
16	220Kv Circuit Breaker SF6 type (06 No). Units 1,2&3 (One line diagram is attached in Annex-III)	31-Dec-2010	17-Apr-2011		17-Apr-2011	Tender T-1729 was opened on 30.08.2010 by General Manager (Thermal) Office and is under evaluation.
17	Changing of UPS 1&2. (01 set), Unit 4	30-Apr-2011	21-Nov-2010		21-Jan-2011	LOI was issued on 03.06.2010 but Purchase Order by GM Th is not being issued despite reminders.
18	Digital Electro Hydraulic System (DEH) (01 set). Unit 4	1-Sep-2011	9-Sep-2011		9-Nov-2011	Draft tender documents checked and sent on 21.7.10 to GM (Thermal) Office for tendering. Reminder issued on 31.08.2010.
19	Up-gradation of Turbine Supervisory Instrument System BNC 3300 (Turbine Supervisory Instrument) (01 set). Unit 4	30-Sep-2011	30-Sep-2011		30-Nov-2011	Demand sent to GM(Th) office on 13.03.10 and reminders issued on 12.06.10 and 31.08.10 but no action is being taken. This will now be initiated by NPGCL after ratification of new Book of Financial Powers (BFP).
20	Air Preheater Elements Hot end, Intermediate & Cold End Layers along with Seals for both Units (04 Set). Units 5&6	1-Jul-2011	26-May-2011		1-Sep-2011	Case was sent to GM(Th) office in Jan. '10 but tendering was not initiated in the previous FY due to financial constraints. This will now be initiated by NPGCL.
21	Procurement of G.R.C. Fan Impeller/Rotor (01 Set). Units 5&6	1-Jul-2011	25-Mar-2011		1-Aug-2011	Tender T-1719 was opened on 06.07.10. Evaluation and clarifications for suppliers being sought by End User.
22	Economizer Tubes for both Units (02 Set). Units 5&6	31-Aug-2011	31-Aug-2011		31-Oct-2011	Tender No. MZF-27 will be opened on 12.10.2010.
23	Replacement of Damaged Exhaust Flue Gas Ducts of Material Russian Grade Steel sheets (50 M.T), Units 5&6	31-Aug-2011	3-Aug-2011		30-Nov-2011	Procurement cases not initiated in the previous FY due to financial constraints. This will now be initiated by NPGCL after ratification of new Book of Financial Powers (BFP).

25	Hydraulic coupling of Boiler Feed Water Pumps (01 No). Units 5&6	31-Mar-2011	6-Mar-2011		1-Jul-2011	Procurement was not initiated in the previous FY due to financial constraints. These are now being initiated by NPGCL after ratification of new Book of Financial Powers (BFP).
26	Procurement of 6.6KV Motor for C.W. Pumps, CP, ID Fan, FD Fan & BFW Pumps (05 No). Units 5&6	31-Jan-2011	23-Apr-2011		23-Apr-2011	Tender T-1737 opened on 20.09.10 and under evaluation.
27	Procurement of 6.6/0.4KV Breaker (5 No. 6KV breaker, 18Nos. 0.4Kv Breakers). Units 5&6	30-Apr-2011	30-Apr-2011		30-June-2011	Demand raised on 15.03.2010 & on 31.03.10 for tendering. The correctness of the specifications confirmed to GM(Thermal) office on 28.08.10 but still not floated in press. This will now be initiated by NPGCL after ratification of new Book of Financial Powers (BFP).
28	Protection Relay for Generators. Units 5&6	30-Apr-2011	1-Apr-2011		30-June-2011	Procurement case was not initiated in the previous FY due to financial constraints. These are now being initiated by NPGCL after ratification of new Book of Financial Powers (BFP).
29	Supply, Installation, Commissioning & Testing of Complete Distribution Control system (DCS) including Field Equipment like Sensors, Transmitter & Actuators etc for Turbine Governing System DEH-III and Boiler Turbine Auto Regulation System YEWPACK-II, Units 5&6	31-Jul-2011	23-Apr-2011		31-Jul-2011	Demand sent to GM(Th) office on 07.04.2010 for tendering. Reminder sent on 28.08.2010 but still not floated. These are now being initiated by NPGCL after ratification of new Book of Financial Powers (BFP).

4. CRITICAL ISSUES AND USAID/AEAI SUPPORT REQUIRED

Item no.	Critical Issues	Status/Mitigation Strategy	USAID/AEAI Support
1	Reimbursement of FARA item # 4	Material received at site on July 09, 2010 and inspection was carried out by AEAI expert. Reimbursement request was submitted to USAID on Aug 30, 2010 which requires CCC certification. However, due to CCC	AEAI facilitated NPGCL and CCC to agree to a MOU, according to which CCC will issue a certification of compliance for procurement of equipment and in case of dispute. NPGCL will have the right to submit an appeal for

		disagreement with the procurement process followed for the specific line item, NPGCL has submit an appeal for resolution to the USAID Energy Office and the Ministry to Water and Power, under provision of MOU.	resolution to USAID Energy Office and Ministry to Water and Power.
2	Inspection of DC Storage Batteries (item # 8)	Imported item supplied against local currency Purchase Order.	Instructions awaited.
3	Exemption from custom duties on procurement of all equipment under FARA	GM Thermal on behalf of GENCO will request concerned quarters for acquiring exemption from the Federal Board of Revenue (FBR).	AEAI has provided NPGCL with requisite copy of the Assistance Agreement referred to in the FARA which explains the terms for exemption and will be used as the basis for exemption.
4	Appointment of Procurement Specialist by NPGCL	Selection of the procurement specialist is in progress. Interviews are complete and approval from the Board of Directors is awaited for final selection.	AEAI is ensuring that the TOR's for the procurement specialist are strictly adhered to.

5. ACTION ITEMS FOR NEXT MONTH

- ✓ Ensure quick appointment of the Procurement Specialist on merit.
- ✓ Follow-up with NPGCL on the status of procurement of LOTs and support NPGCL in initiating procurement of the remaining FARA items.
- ✓ Follow-up on exemption from custom duties on procurement of equipment under FARA.

ANNEX – A: NPGCL SCHEDULE

LOT	Activity	Duration	Planned Start	Planned Finish
	Muzaffargarh Rehabilitation Schedule	487 days	June 1, 2010	September 30, 2011
	FARA Agreement Signed off	0 days	June 1, 2010	June 1, 2010
	Monitoring Plan	487 days	June 1, 2010	September 30, 2011
1.	Item # 1: Rehabilitation of Boiler Super Heater Tubes	355 days	June 1, 2010	May 21, 2011
	Procurement of Equipment (All tasks completed)	0 days	June 1, 2010	June 1, 2010
	Equipment Manufacturing/ Testing & Shipment	140 days	June 1, 2010	October 18, 2010
	Equipment Manufacturing	120 days	June 1, 2010	September 28, 2010
	Testing at Vendor's Site	5 days	September 29, 2010	October 3, 2010
	Vendor Shipment	5 days	October 4, 2010	October 8, 2010
	Delivery of Shipping Documents	5 days	October 9, 2010	October 13, 2010
	Verify Shipment	5 days	October 14, 2010	October 18, 2010
	NPGCL Invoice/USAID Reimbursement (90% of \$ 4,000,000)	0 days	October 18, 2010	October 18, 2010
	Equipment Delivery Status	25 days	October 19, 2010	November 12, 2010
	Equipment Arrival at Port	10 days	October 19, 2010	October 28, 2010
	Customs Clearance	5 days	October 29, 2010	November 2, 2010
	Transportation to Site	5 days	November 3, 2010	November 7, 2010
	Verify Equipment Delivered at Site	5 days	November 8, 2010	November 12, 2010
	Installation & Commissioning	185 days	November 13, 2010	May 16, 2011
	Installation & Commissioning, Unit # 1	60 days	November 13, 2010	January 11, 2011
	Installation & Commissioning, Unit # 2	60 days	January 12, 2011	March 12, 2011
	Installation & Commissioning, Unit # 3	60 days	March 13, 2011	May 11, 2011
	Post Installation Testing	5 days	May 12, 2011	May 16, 2011
	Verify Installation/Commissioning & Testing	5 days	May 17, 2011	May 21, 2011
	NPGCL Invoice/USAID Reimbursement (10% of \$ 4,000,000)	0 days	May 21, 2011	May 21, 2011
2.	Item # 4: Replacement of Cold Layer Element for RAH	92 days	June 1, 2010	August 31, 2010
	Procurement of Equipment (All Tasks Completed)	0 days	June 1, 2010	June 1, 2010
	Equipment Manufacturing/ Testing & Shipment	25 days	June 1, 2010	June 25, 2010
	Equipment Manufacturing	0 days	June 1, 2010	June 1, 2010
	Verify Testing at Vendor's Site	0 days	June 1, 2010	June 1, 2010
	Vendor Shipment	10 days	June 1, 2010	June 10, 2010
	Delivery of Shipping Documents	5 days	June 11, 2010	June 15, 2010
	Verify Shipment	10 days	June 16, 2010	June 25, 2010
	NPGCL Invoice/USAID Reimbursement (90% of \$170,000)	0 days	June 25, 2010	June 25, 2010
	Equipment Delivery Status	27 days	June 26, 2010	July 22, 2010
	Equipment Arrival at Port	5 days	June 26, 2010	June 30, 2010
	Customs Clearance	10 days	July 1, 2010	July 10, 2010
	Transportation to Site	7 days	July 11, 2010	July 17, 2010
	Verify Equipment Delivered at Site	5 days	July 18, 2010	July 22, 2010
	Installation & Commissioning	30 days	July 23, 2010	August 21, 2010
	Installation, Unit 2 & 3	20 days	July 23, 2010	August 11, 2010
	Commissioning, Unit 2 & 3	10 days	August 12, 2010	August 21, 2010
	Post Installation Testing	5 days	August 22, 2010	August 26, 2010
	Verify Installation/Commissioning & Testing	5 days	August 27, 2010	August 31, 2010
	NPGCL Invoice/USAID Reimbursement (10% of \$170,000)	0 days	August 31, 2010	August 31, 2010

LOT	Activity	Duration	Planned Start	Planned Finish
3.	Item # 11: Air Pre-Heater Elements, Unit # 4	248 day	June 1, 2010	February 3, 2011
	Procurement of Equipment	79 days	June 1, 2010	August 18, 2010
	Bidding Documents	0 days	June 1, 2010	June 1, 2010
	Tender Notice	0 days	June 1, 2010	June 1, 2010
	Bid Evaluation	49 days	June 1, 2010	July 19, 2010
	CCC Concurrence	15 days	July 20, 2010	August 3, 2010
	Issuance of LOI & request for submission of PB	5 days	August 4, 2010	August 8, 2010
	Award of Contract	5 days	August 9, 2010	August 13, 2010
	Issuance of Letter of Credit	5 days	August 14, 2010	August 18, 2010
	Equipment Manufacturing/ Testing & Shipment	111 day	August 19, 2010	December 7, 2010
	Equipment Manufacturing	100 day	August 19, 2010	November 26, 2010
	Verify Testing at Vendor's Site	5 days	November 27, 2010	December 1, 2010
	Vendor Shipment	2 days	December 2, 2010	December 3, 2010
	Delivery of Shipping Documents	2 days	December 4, 2010	December 5, 2010
	Verify Shipment	2 days	December 6, 2010	December 7, 2010
	NPGL Invoice/USAID Reimbursement (90% of \$1,74	0 days	December 7, 2010	December 7, 2010
	Equipment Delivery Status	18 days	December 8, 2010	December 25, 2010
	Equipment Arrival at Port	5 days	December 8, 2010	December 12, 2010
	Customs Clearance	5 days	December 13, 2010	December 17, 2010
	Transportation to Site	5 days	December 18, 2010	December 22, 2010
	Verify Equipment Delivered at Site	3 days	December 23, 2010	December 25, 2010
	Installation & Commissioning	30 days	December 26, 2010	January 24, 2011
	Installation & Commissioning	30 days	December 26, 2010	January 24, 2011
	Post Installation Testing	5 days	January 25, 2011	January 29, 2011
	Verify Installation/Commissioning & Testing	5 days	January 30, 2011	February 3, 2011
	NPGL Invoice/USAID Reimbursement (10% of \$1,74	0 days	February 3, 2011	February 3, 2011
4.	Item # 20: I.D Fan Rotor Impeller along with Housing and	235 day	June 1, 2010	January 21, 2011
	Procurement of Equipment	58 days	June 1, 2010	July 28, 2010
	Bidding Documents	0 days	June 1, 2010	June 1, 2010
	Tender Notice	0 days	June 1, 2010	June 1, 2010
	Bid Evaluation	0 days	June 1, 2010	June 1, 2010
	CCC Concurrence	0 days	June 1, 2010	June 1, 2010
	Issuance of LOI & request for submission of PB	0 days	June 1, 2010	June 1, 2010
	Award of Contract	0 days	June 1, 2010	June 1, 2010
	Issuance of Letter of Credit	58 days	June 1, 2010	July 28, 2010
	Equipment Manufacturing/ Testing & Shipment	120 day	July 29, 2010	November 25, 2010
	Equipment Manufacturing	100 day	July 29, 2010	November 5, 2010
	Verify Testing at Vendor's Site	5 days	November 6, 2010	November 10, 2010
	Vendor Shipment	5 days	November 11, 2010	November 15, 2010
	Delivery of Shipping Documents	5 days	November 16, 2010	November 20, 2010
	Verify Shipment	5 days	November 21, 2010	November 25, 2010
	NPGL Invoice/USAID Reimbursement (90% of \$625	0 days	November 25, 2010	November 25, 2010
	Equipment Delivery Status	22 days	November 26, 2010	December 17, 2010
	Equipment Arrival at Port	5 days	November 26, 2010	November 30, 2010
	Customs Clearance	7 days	December 1, 2010	December 7, 2010
	Transportation to Site	5 days	December 8, 2010	December 12, 2010
	Verify Equipment Delivered at Site	5 days	December 13, 2010	December 17, 2010
	Installation & Commissioning	30 days	December 18, 2010	January 16, 2011
	Installation	20 days	December 18, 2010	January 6, 2011
	Commissioning	10 days	January 7, 2011	January 16, 2011
	Verify Installation/Commissioning & Testing	5 days	January 17, 2011	January 21, 2011
	NPGL Invoice/USAID Reimbursement (10% of \$625	0 days	January 21, 2011	January 21, 2011

LOT	Activity	Duration	Planned Start	Planned Finish
5.	Item # 37: M K Breakers, Seal Oil Coolers, PM G, Units 5	225 day	June 1, 2010	January 11, 2011
	Procurement of Equipment	30 days	June 1, 2010	June 30, 2010
	Bidding Documents	0 days	June 1, 2010	June 1, 2010
	Tender Notice	0 days	June 1, 2010	June 1, 2010
	Bid Evaluation	0 days	June 1, 2010	June 1, 2010
	CCC Concurrence	0 days	June 1, 2010	June 1, 2010
	Issuance of LOI & request for submission of PB	0 days	June 1, 2010	June 1, 2010
	Award of Contract	15 days	June 1, 2010	June 15, 2010
	Issuance of Letter of Credit	15 days	June 16, 2010	June 30, 2010
	Equipment Manufacturing/ Testing & Shipment	140 day	July 1, 2010	November 17, 2010
	Equipment Manufacturing	120 day	July 1, 2010	October 28, 2010
	Testing at Vendor's Site	5 days	October 29, 2010	November 2, 2010
	Vendor Shipment	5 days	November 3, 2010	November 7, 2010
	Delivery of Shipping Documents	5 days	November 8, 2010	November 12, 2010
	Verify Shipment	5 days	November 13, 2010	November 17, 2010
	NPGCL Invoice/USAID Reimbursement (90% of \$ 190,000)	0 days	November 17, 2010	November 17, 2010
	Equipment Delivery Status	20 days	November 18, 2010	December 7, 2010
	Equipment Arrival at Port	5 days	November 18, 2010	November 22, 2010
	Customs Clearance	5 days	November 23, 2010	November 27, 2010
	Transportation to Site	5 days	November 28, 2010	December 2, 2010
	Verify Equipment Delivered at Site	5 days	December 3, 2010	December 7, 2010
	Installation & Commissioning	30 days	December 8, 2010	January 6, 2011
	Installation & Commissioning	30 days	December 8, 2010	January 6, 2011
	Verify Installation/Commissioning & Testing	5 days	January 7, 2011	January 11, 2011
	NPGCL Invoice/USAID Reimbursement (10% of \$ 190,000)	0 days	January 11, 2011	January 11, 2011
6.	Item # 2, 13 & 25: Special Cooling Water Treatment, Un	243 day	June 1, 2010	January 29, 2011
	Procurement of Equipment	125 day	June 1, 2010	October 3, 2010
	Bidding Documents	5 days	June 1, 2010	June 5, 2010
	Tender Notice	60 days	June 6, 2010	August 4, 2010
	Bid Evaluation	10 days	August 5, 2010	August 14, 2010
	CCC Concurrence	10 days	August 15, 2010	August 24, 2010
	Issuance of LOI & request for submission of PB	30 days	August 25, 2010	September 23, 2010
	Award of Contract	5 days	September 24, 2010	September 28, 2010
	Issuance of Letter of Credit	5 days	September 29, 2010	October 3, 2010
	Equipment Manufacturing/ Testing & Shipment	80 days	October 4, 2010	December 22, 2010
	Equipment Manufacturing	60 days	October 4, 2010	December 2, 2010
	Verify Testing at Vendor's Site	5 days	December 3, 2010	December 7, 2010
	Vendor Shipment	5 days	December 8, 2010	December 12, 2010
	Delivery of Shipping Documents	5 days	December 13, 2010	December 17, 2010
	Verify Shipment	5 days	December 18, 2010	December 22, 2010
	NPGCL Invoice/USAID Reimbursement (90% of \$188,000), (90% of \$120,000)	0 days	December 22, 2010	December 22, 2010
	Equipment Delivery Status	20 days	December 23, 2010	January 11, 2011
	Equipment Arrival at Port	5 days	December 23, 2010	December 27, 2010
	Customs Clearance	5 days	December 28, 2010	January 1, 2011
	Transportation to Site	5 days	January 2, 2011	January 6, 2011
	Verify Equipment Delivered at Site	5 days	January 7, 2011	January 11, 2011
	Installation & Commissioning	12 days	January 12, 2011	January 23, 2011
	Installation	7 days	January 12, 2011	January 18, 2011
	Commissioning	5 days	January 19, 2011	January 23, 2011
	Post Installation Testing	3 days	January 24, 2011	January 26, 2011
	Verify Installation/Commissioning & Testing	3 days	January 27, 2011	January 29, 2011
	NPGCL Invoice/USAID Reimbursement (10% of \$188,000), (10% of \$120,000)	0 days	January 29, 2011	January 29, 2011

LOT	Activity	Duration	Planned Start	Planned Finish
7.	Item # 3, 12 & 26: Use of Fuel Oil Additive, Unit # 1 - 6	251 day	June 1, 2010	February 6, 2011
	Procurement of Material	125 day	June 1, 2010	October 3, 2010
	Bidding Documents	5 days	June 1, 2010	June 5, 2010
	Tender Notice	60 days	June 6, 2010	August 4, 2010
	Bid Evaluation	10 days	August 5, 2010	August 14, 2010
	CCC Concurrence	10 days	August 15, 2010	August 24, 2010
	Issuance of LOI & request for submission of PB	30 days	August 25, 2010	September 23, 2010
	Award of Contract	5 days	September 24, 2010	September 28, 2010
	Issuance of Letter of Credit	5 days	September 29, 2010	October 3, 2010
	Material Preparation/ Testing & Shipment	76 days	October 4, 2010	December 18, 2010
	Material Preparation	60 days	October 4, 2010	December 2, 2010
	Verify Testing at Vendor's Site	5 days	December 3, 2010	December 7, 2010
	Vendor Shipment	5 days	December 8, 2010	December 12, 2010
	Delivery of Shipping Documents	3 days	December 13, 2010	December 15, 2010
	Verify Shipment	3 days	December 16, 2010	December 18, 2010
	NPGCL Invoice/USAID Reimbursement (90% of \$460 \$230,000), (90% of \$175,000)	0 days	December 18, 2010	December 18, 2010
	Material Delivery Status	20 days	December 19, 2010	January 7, 2011
	Material Arrival at Port	5 days	December 19, 2010	December 23, 2010
	Customs Clearance	5 days	December 24, 2010	December 28, 2010
	Transportation to Site	5 days	December 29, 2010	January 2, 2011
	Verify Material Delivered at Site	5 days	January 3, 2011	January 7, 2011
	Injecting Fuel Oil Additive	20 days	January 8, 2011	January 27, 2011
	Post Injection Testing	5 days	January 28, 2011	February 1, 2011
	Verify Use of Fuel Oil Additive & Testing	5 days	February 2, 2011	February 6, 2011
	NPGCL Invoice/USAID Reimbursement (10% of \$460 \$230,000), (10% of \$175,000)	0 days	February 6, 2011	February 6, 2011
8.	Item # 6 & 7: Electric Motor for C.T Fan and Electric Motor Unit # 1, 2 & 3	312 day	June 1, 2010	April 8, 2011
	Procurement of Equipment	112 day	June 1, 2010	September 20, 2010
	Bidding Documents	5 days	June 1, 2010	June 5, 2010
	Tender Notice	47 days	June 6, 2010	July 22, 2010
	Bid Evaluation	10 days	July 23, 2010	August 1, 2010
	CCC Concurrence	10 days	August 2, 2010	August 11, 2010
	Issuance of LOI & request for submission of PB	30 days	August 12, 2010	September 10, 2010
	Award of Contract	5 days	September 11, 2010	September 15, 2010
	Issuance of Letter of Credit	5 days	September 16, 2010	September 20, 2010
	Equipment Manufacturing/ Testing & Shipment	110 day	September 21, 2010	January 8, 2011
	Equipment Manufacturing	90 days	September 21, 2010	December 19, 2010
	Verify Testing at Vendor's Site	5 days	December 20, 2010	December 24, 2010
	Vendor Shipment	5 days	December 25, 2010	December 29, 2010
	Delivery of Shipping Documents	5 days	December 30, 2010	January 3, 2011
	Verify Shipment	5 days	January 4, 2011	January 8, 2011
	NPGCL Invoice/USAID Reimbursement (90% of \$100 \$50,000), (90% of \$100 \$50,000)	0 days	January 8, 2011	January 8, 2011
	Equipment Delivery Status	20 days	January 9, 2011	January 28, 2011
	Equipment Arrival at Port	5 days	January 9, 2011	January 13, 2011
	Customs Clearance	5 days	January 14, 2011	January 18, 2011
	Transportation to Site	7 days	January 19, 2011	January 25, 2011
	Verify Equipment Delivered at Site	3 days	January 26, 2011	January 28, 2011
	Installation & Commissioning	60 days	January 29, 2011	March 29, 2011
	Installation	50 days	January 29, 2011	March 19, 2011
	Commissioning	10 days	March 20, 2011	March 29, 2011
	Post Installation Testing	5 days	March 30, 2011	April 3, 2011
	Verify Installation/Commissioning & Testing	5 days	April 4, 2011	April 8, 2011
	NPGCL Invoice/USAID Reimbursement (10% of \$100 \$50,000), (10% of \$100 \$50,000)	0 days	April 8, 2011	April 8, 2011

LOT	Activity	Duration	Planned Start	Planned Finish
9.	Item # 10: Re-blading of LP Rotor (LP Turbine Rotor blades & locking device) Unit # 4	335 days	June 1, 2010	May 1, 2011
	Procurement of Equipment	105 days	June 1, 2010	September 13, 2010
	Bidding Documents	30 days	June 1, 2010	June 30, 2010
	Tender Notice	15 days	July 1, 2010	July 15, 2010
	Bid Evaluation	10 days	July 16, 2010	July 25, 2010
	CCC Concurrence	10 days	July 26, 2010	August 4, 2010
	Issuance of LOI & request for submission of PB	30 days	August 5, 2010	September 3, 2010
	Award of Contract	5 days	September 4, 2010	September 8, 2010
	Issuance of Letter of Credit	5 days	September 9, 2010	September 13, 2010
	Equipment Manufacturing/ Testing & Shipment	110 days	September 14, 2010	January 1, 2011
	Equipment Manufacturing	90 days	September 14, 2010	December 12, 2010
	Verify Testing at Vendor's Site	5 days	December 13, 2010	December 17, 2010
	Vendor Shipment	5 days	December 18, 2010	December 22, 2010
	Delivery of Shipping Documents	5 days	December 23, 2010	December 27, 2010
	Verify Shipment	5 days	December 28, 2010	January 1, 2011
	NPGCL Invoice/USAID Reimbursement (90% of \$206,000)	0 days	January 1, 2011	January 1, 2011
	Equipment Delivery Status	20 days	January 2, 2011	January 21, 2011
	Equipment Arrival at Port	5 days	January 2, 2011	January 6, 2011
	Customs Clearance	7 days	January 7, 2011	January 13, 2011
	Transportation to Site	5 days	January 14, 2011	January 18, 2011
	Verify Equipment Delivered at Site	3 days	January 19, 2011	January 21, 2011
	Installation & Commissioning	90 days	January 22, 2011	April 21, 2011
	Installation	70 days	January 22, 2011	April 1, 2011
	Commissioning	20 days	April 2, 2011	April 21, 2011
	Post Installation Testing	5 days	April 22, 2011	April 26, 2011
	Verify Installation/Commissioning & Testing	5 days	April 27, 2011	May 1, 2011
	NPGCL Invoice/USAID Reimbursement (10% of \$206,000)	0 days	May 1, 2011	May 1, 2011
10.	Item # 19: Training and Software/Hardware Cost for Capacity Efficiency and Monitoring System, All Units	395 days	June 1, 2010	June 30, 2011
	Procurement of Training & Software/Hardware	125 days	June 1, 2010	October 3, 2010
	Bidding Documents	5 days	June 1, 2010	June 5, 2010
	Tender Notice	60 days	June 6, 2010	August 4, 2010
	Bid Evaluation	10 days	August 5, 2010	August 14, 2010
	CCC Concurrence	10 days	August 15, 2010	August 24, 2010
	Issuance of LOI & request for submission of PB	30 days	August 25, 2010	September 23, 2010
	Award of Contract	5 days	September 24, 2010	September 28, 2010
	Issuance of Letter of Credit	5 days	September 29, 2010	October 3, 2010
	System Development/ Testing & Shipment	70 days	October 4, 2010	December 12, 2010
	System Development	50 days	October 4, 2010	November 22, 2010
	Verify Testing at Vendor's Site	5 days	November 23, 2010	November 27, 2010
	Vendor Shipment	5 days	November 28, 2010	December 2, 2010
	Delivery of Shipping Documents	5 days	December 3, 2010	December 7, 2010
	Verify Shipment	5 days	December 8, 2010	December 12, 2010
	NPGCL Invoice/USAID Reimbursement (90% of \$1,000,000)	0 days	December 12, 2010	December 12, 2010
	System Delivery Status	10 days	December 13, 2010	December 22, 2010
	System Arrival at Site/Custom Clearance	5 days	December 13, 2010	December 17, 2010
	Verify System Delivered at Site	5 days	December 18, 2010	December 22, 2010
	Installation & Commissioning	90 days	December 23, 2010	March 22, 2011
	System Installation	30 days	December 23, 2010	January 21, 2011
	System Integration	60 days	January 22, 2011	March 22, 2011
	Post Installation Testing	5 days	March 23, 2011	March 27, 2011
	Verify Installation/Integration & Testing	5 days	March 28, 2011	April 1, 2011
	Training on System & Asset Data Feeding	90 days	April 2, 2011	June 30, 2011
	NPGCL Invoice/USAID Reimbursement (10% of \$1,000,000)	0 days	June 30, 2011	June 30, 2011

LOT	Activity	Duration	Planned Start	Planned Finish
11.	Item # 27 & 30: IP Turbine Rotor and Turbo-Generator	433 day	June 1, 2010	August 7, 2011
	Procurement of Equipment	125 day	June 1, 2010	October 3, 2010
	Bidding Documents	5 days	June 1, 2010	June 5, 2010
	Tender Notice	60 days	June 6, 2010	August 4, 2010
	Bid Evaluation	10 days	August 5, 2010	August 14, 2010
	CCC Concurrence	10 days	August 15, 2010	August 24, 2010
	Issuance of LOI & request for submission of PB	30 days	August 25, 2010	September 23, 2010
	Award of Contract	5 days	September 24, 2010	September 28, 2010
	Issuance of Letter of Credit	5 days	September 29, 2010	October 3, 2010
	Equipment Manufacturing/ Testing & Shipment	186 day	October 4, 2010	April 7, 2011
	Equipment Manufacturing	160 day	October 4, 2010	March 12, 2011
	Verify Testing at Vendor's Site	5 days	March 13, 2011	March 17, 2011
	Vendor Shipment	7 days	March 18, 2011	March 24, 2011
	Delivery of Shipping Documents	7 days	March 25, 2011	March 31, 2011
	Verify Shipment	7 days	April 1, 2011	April 7, 2011
	NPGCL Invoice/USAID Reimbursement (90% of \$602,000)	0 days	April 7, 2011	April 7, 2011
	Equipment Delivery Status	22 days	April 8, 2011	April 29, 2011
	Equipment Arrival at Port	5 days	April 8, 2011	April 12, 2011
	Customs Clearance	5 days	April 13, 2011	April 17, 2011
	Transportation to Site	5 days	April 18, 2011	April 22, 2011
	Verify Equipment Delivered at Site	7 days	April 23, 2011	April 29, 2011
	Installation & Commissioning	90 days	April 30, 2011	July 28, 2011
	Installation	70 days	April 30, 2011	July 8, 2011
	Commissioning	20 days	July 9, 2011	July 28, 2011
	Post Installation Testing	5 days	July 29, 2011	August 2, 2011
	Verify Installation/Commissioning & Testing	5 days	August 3, 2011	August 7, 2011
	NPGCL Invoice/USAID Reimbursement (90% of \$602,000)	0 days	August 7, 2011	August 7, 2011
12.	Item # 5, 14 & 32: Upgradation/ Modification of Excitatic	294 day	June 1, 2010	March 21, 2011
	Procurement of Equipment	75 days	June 1, 2010	August 14, 2010
	Bidding Documents	5 days	June 1, 2010	June 5, 2010
	Tender Notice	60 days	June 6, 2010	August 4, 2010
	Bid Evaluation	10 days	August 5, 2010	August 14, 2010
	CCC Concurrence	10 days	June 1, 2010	June 10, 2010
	Issuance of LOI & request for submission of PB	30 days	June 11, 2010	July 10, 2010
	Award of Contract	5 days	July 11, 2010	July 15, 2010
	Issuance of Letter of Credit	5 days	July 16, 2010	July 20, 2010
	Equipment Manufacturing/ Testing & Shipment	122 day	July 21, 2010	November 19, 2010
	Equipment Manufacturing	100 day	July 21, 2010	October 28, 2010
	Verify Testing at Vendor's Site	5 days	October 29, 2010	November 2, 2010
	Vendor Shipment	5 days	November 3, 2010	November 7, 2010
	Delivery of Shipping Documents	5 days	November 8, 2010	November 12, 2010
	Verify Shipment	7 days	November 13, 2010	November 19, 2010
	NPGCL Invoice/USAID Reimbursement (90% of \$180,000), (90% of \$156,000)	0 days	November 19, 2010	November 19, 2010
	Equipment Delivery Status	22 days	November 20, 2010	December 11, 2010
	Equipment Arrival at Port	7 days	November 20, 2010	November 26, 2010
	Customs Clearance	5 days	November 27, 2010	December 1, 2010
	Transportation to Site	7 days	December 2, 2010	December 8, 2010
	Verify Equipment Delivered at Site	3 days	December 9, 2010	December 11, 2010
	Installation & Commissioning	90 days	December 12, 2010	March 11, 2011
	Installation	70 days	December 12, 2010	February 19, 2011
	Commissioning	20 days	February 20, 2011	March 11, 2011
	Post Installation Testing	5 days	March 12, 2011	March 16, 2011
	Verify Installation/Commissioning & Testing	5 days	March 17, 2011	March 21, 2011
	NPGCL Invoice/USAID Reimbursement (10% of \$180,000), (90% of \$156,000)	0 days	March 21, 2011	March 21, 2011

LOT	Activity	Duration	Planned Start	Planned Finish
13.	Item # 23 & 33: Procurement of 0.4 kv Motors for Cool and APH & Procurement of Cooling Tower Fan Gear B	365 day	June 1, 2010	May 31, 2011
	Procurement of Equipment	125 day	June 1, 2010	October 3, 2010
	Bidding Documents	5 days	June 1, 2010	June 5, 2010
	Tender Notice	60 days	June 6, 2010	August 4, 2010
	Bid Evaluation	10 days	August 5, 2010	August 14, 2010
	CCC Concurrence	10 days	August 15, 2010	August 24, 2010
	Issuance of LOI & request for submission of PB	30 days	August 25, 2010	September 23, 2010
	Award of Contract	5 days	September 24, 2010	September 28, 2010
	Issuance of Letter of Credit	5 days	September 29, 2010	October 3, 2010
	Equipment Manufacturing/ Testing & Shipment	142 day	October 4, 2010	February 22, 2011
	Equipment Manufacturing	120 day	October 4, 2010	January 31, 2011
	Verify Testing at Vendor's Site	5 days	February 1, 2011	February 5, 2011
	Vendor Shipment	7 days	February 6, 2011	February 12, 2011
	Delivery of Shipping Documents	5 days	February 13, 2011	February 17, 2011
	Verify Shipment	5 days	February 18, 2011	February 22, 2011
	NPGL Invoice/USAID Reimbursement (90% of \$188	0 days	February 22, 2011	February 22, 2011
	Equipment Delivery Status	20 days	February 23, 2011	March 14, 2011
	Equipment Arrival at Port	5 days	February 23, 2011	February 27, 2011
	Customs Clearance	7 days	February 28, 2011	March 6, 2011
	Transportation to Site	5 days	March 7, 2011	March 11, 2011
	Verify Equipment Delivered at Site	3 days	March 12, 2011	March 14, 2011
	Installation & Commissioning	68 days	March 15, 2011	May 21, 2011
	Installation	48 days	March 15, 2011	May 1, 2011
	Commissioning	20 days	May 2, 2011	May 21, 2011
	Post Installation Testing	5 days	May 22, 2011	May 26, 2011
	Verify Installation/Commissioning & Testing	5 days	May 27, 2011	May 31, 2011
	NPGL Invoice/USAID Reimbursement (10% of \$188	0 days	May 31, 2011	May 31, 2011
14.	Item # 17 & 39: Rehabilitation & Upgradation of FSSS in Camera, Flame Monitoring & Ignition System, Unit 4, 5	357 day	June 1, 2010	May 23, 2011
	Procurement of Equipment	125 day	June 1, 2010	October 3, 2010
	Bidding Documents	5 days	June 1, 2010	June 5, 2010
	Tender Notice	60 days	June 6, 2010	August 4, 2010
	Bid Evaluation	10 days	August 5, 2010	August 14, 2010
	CCC Concurrence	10 days	August 15, 2010	August 24, 2010
	Issuance of LOI & request for submission of PB	30 days	August 25, 2010	September 23, 2010
	Award of Contract	5 days	September 24, 2010	September 28, 2010
	Issuance of Letter of Credit	5 days	September 29, 2010	October 3, 2010
	Equipment Manufacturing/ Testing & Shipment	80 days	October 4, 2010	December 22, 2010
	Equipment Manufacturing	60 days	October 4, 2010	December 2, 2010
	Verify Testing at Vendor's Site	5 days	December 3, 2010	December 7, 2010
	Vendor Shipment	5 days	December 8, 2010	December 12, 2010
	Delivery of Shipping Documents	5 days	December 13, 2010	December 17, 2010
	Verify Shipment	5 days	December 18, 2010	December 22, 2010
	NPGL Invoice/USAID Reimbursement (90% of \$130	0 days	December 22, 2010	December 22, 2010
	Equipment Delivery Status	22 days	December 23, 2010	January 13, 2011
	Equipment Arrival at Port	5 days	December 23, 2010	December 27, 2010
	Customs Clearance	7 days	December 28, 2010	January 3, 2011
	Transportation to Site	7 days	January 4, 2011	January 10, 2011
	Verify Equipment Delivered at Site	3 days	January 11, 2011	January 13, 2011
	Installation & Commissioning	120 day	January 14, 2011	May 13, 2011
	Installation	100 day	January 14, 2011	April 23, 2011
	Commissioning	20 days	April 24, 2011	May 13, 2011
	Post Installation Testing	5 days	May 14, 2011	May 18, 2011
	Verify Installation/Commissioning & Testing	5 days	May 19, 2011	May 23, 2011
	NPGL Invoice/USAID Reimbursement (10% of \$130	0 days	May 23, 2011	May 23, 2011

LOT	Activity	Duration	Planned Start	Planned Finish
15.	Item # 8: D.C Storage Batteries, Unit # 1, 2 & 3	137 day	June 1, 2010	October 15, 2010
	Procurement of Equipment (All tasks completed)	0 days	June 1, 2010	June 1, 2010
	Equipment Manufacturing/ Testing & Shipment	90 days	June 1, 2010	August 29, 2010
	Equipment Manufacturing	70 days	June 1, 2010	August 9, 2010
	Verify Testing at Vendor's Site	5 days	August 10, 2010	August 14, 2010
	Vendor Shipment	5 days	August 15, 2010	August 19, 2010
	Delivery of Shipping Documents	5 days	August 20, 2010	August 24, 2010
	Verify Shipment	5 days	August 25, 2010	August 29, 2010
	NPGCL Invoice/USAID Reimbursement (90% of \$60,000)	0 days	August 29, 2010	August 29, 2010
	Equipment Delivery Status	7 days	August 30, 2010	September 5, 2010
	Transportation to Site	4 days	August 30, 2010	September 2, 2010
	Verify Equipment Delivered at Site	3 days	September 3, 2010	September 5, 2010
	Installation & Commissioning	30 days	September 6, 2010	October 5, 2010
	Installation	20 days	September 6, 2010	September 25, 2010
	Commissioning	10 days	September 26, 2010	October 5, 2010
	Post Installation Testing	5 days	October 6, 2010	October 10, 2010
	Verify Installation/Commissioning & Testing	5 days	October 11, 2010	October 15, 2010
	NPGCL Invoice/USAID Reimbursement (10% of \$60,000)	0 days	October 15, 2010	October 15, 2010
16.	Item # 9: 220Kv Circuit Breaker SF6 Type, Unit # 1, 2 & 3	321 day	June 1, 2010	April 17, 2011
	Procurement of Equipment	124 day	June 1, 2010	October 2, 2010
	Bidding Documents	4 days	June 1, 2010	June 4, 2010
	Tender Notice	60 days	June 5, 2010	August 3, 2010
	Bid Evaluation	10 days	August 4, 2010	August 13, 2010
	CCC Concurrence	10 days	August 14, 2010	August 23, 2010
	Issuance of LOI & request for submission of PB	30 days	August 24, 2010	September 22, 2010
	Award of Contract	5 days	September 23, 2010	September 27, 2010
	Issuance of Letter of Credit	5 days	September 28, 2010	October 2, 2010
	Equipment Manufacturing/ Testing & Shipment	110 day	October 3, 2010	January 20, 2011
	Equipment Manufacturing	90 days	October 3, 2010	December 31, 2010
	Verify Testing at Vendor's Site	5 days	January 1, 2011	January 5, 2011
	Vendor Shipment	5 days	January 6, 2011	January 10, 2011
	Delivery of Shipping Documents	5 days	January 11, 2011	January 15, 2011
	Verify Shipment	5 days	January 16, 2011	January 20, 2011
	NPGCL Invoice/USAID Reimbursement (90% of \$317,000)	0 days	January 20, 2011	January 20, 2011
	Equipment Delivery Status	17 days	January 21, 2011	February 6, 2011
	Equipment Arrival at Port	5 days	January 21, 2011	January 25, 2011
	Customs Clearance	5 days	January 26, 2011	January 30, 2011
	Transportation to Site	4 days	January 31, 2011	February 3, 2011
	Verify Equipment Delivered at Site	3 days	February 4, 2011	February 6, 2011
	Installation & Commissioning	60 days	February 7, 2011	April 7, 2011
	Installation	50 days	February 7, 2011	March 28, 2011
	Commissioning	10 days	March 29, 2011	April 7, 2011
	Post Installation Testing	5 days	April 8, 2011	April 12, 2011
	Verify Installation/Commissioning & Testing	5 days	April 13, 2011	April 17, 2011
	NPGCL Invoice/USAID Reimbursement (10% of \$317,000)	0 days	April 17, 2011	April 17, 2011

LOT	Activity	Duration	Planned Start	Planned Finish
17.	Item # 15: Changing of UPS 1 & 2, Unit # 4	174 days	June 1, 2010	November 21, 2010
	Procurement of Equipment	13 days	June 1, 2010	June 13, 2010
	Bidding Documents	0 days	June 1, 2010	June 1, 2010
	Tender Notice	0 days	June 1, 2010	June 1, 2010
	Bid Evaluation	0 days	June 1, 2010	June 1, 2010
	CCC Concurrence	0 days	June 1, 2010	June 1, 2010
	Issuance of LOI & request for submission of PB	3 days	June 1, 2010	June 3, 2010
	Award of Contract	5 days	June 4, 2010	June 8, 2010
	Issuance of Letter of Credit	5 days	June 9, 2010	June 13, 2010
	Equipment Manufacturing/ Testing & Shipment	122 days	June 14, 2010	October 13, 2010
	Equipment Manufacturing	100 days	June 14, 2010	September 21, 2010
	Verify Testing at Vendor's Site	5 days	September 22, 2010	September 26, 2010
	Vendor Shipment	5 days	September 27, 2010	October 1, 2010
	Delivery of Shipping Documents	5 days	October 2, 2010	October 6, 2010
	Verify Shipment	7 days	October 7, 2010	October 13, 2010
	NPGCL Invoice/USAID Reimbursement (90% of \$50,000)	0 days	October 13, 2010	October 13, 2010
	Equipment Delivery Status	22 days	October 14, 2010	November 4, 2010
	Equipment Arrival at Port	5 days	October 14, 2010	October 18, 2010
	Customs Clearance	7 days	October 19, 2010	October 25, 2010
	Transportation to Site	7 days	October 26, 2010	November 1, 2010
	Verify Equipment Delivered at Site	3 days	November 2, 2010	November 4, 2010
	Installation & Commissioning	7 days	November 5, 2010	November 11, 2010
	Installation	4 days	November 5, 2010	November 8, 2010
	Commissioning	3 days	November 9, 2010	November 11, 2010
	Post Installation Testing	5 days	November 12, 2010	November 16, 2010
	Verify Installation/Commissioning & Testing	5 days	November 17, 2010	November 21, 2010
	NPGCL Invoice/USAID Reimbursement (10% of \$50,000)	0 days	November 21, 2010	November 21, 2010
18.	Item # 16: DEH, Unit # 4	466 days	June 1, 2010	September 9, 2011
	Procurement of Equipment	160 days	June 1, 2010	November 7, 2010
	Bidding Documents	40 days	June 1, 2010	July 10, 2010
	Tender Notice	60 days	July 11, 2010	September 8, 2010
	Bid Evaluation	10 days	September 9, 2010	September 18, 2010
	CCC Concurrence	10 days	September 19, 2010	September 28, 2010
	Issuance of LOI & request for submission of PB	30 days	September 29, 2010	October 28, 2010
	Award of Contract	5 days	October 29, 2010	November 2, 2010
	Issuance of Letter of Credit	5 days	November 3, 2010	November 7, 2010
	Equipment Manufacturing/ Testing & Shipment	140 days	November 8, 2010	March 27, 2011
	Equipment Manufacturing	120 days	November 8, 2010	March 7, 2011
	Verify Testing at Vendor's Site	5 days	March 8, 2011	March 12, 2011
	Vendor Shipment	5 days	March 13, 2011	March 17, 2011
	Delivery of Shipping Documents	5 days	March 18, 2011	March 22, 2011
	Verify Shipment	5 days	March 23, 2011	March 27, 2011
	NPGCL Invoice/USAID Reimbursement (90% of \$300,000)	0 days	March 27, 2011	March 27, 2011
	Equipment Delivery Status	18 days	March 28, 2011	April 14, 2011
	Equipment Arrival at Port	5 days	March 28, 2011	April 1, 2011
	Customs Clearance	5 days	April 2, 2011	April 6, 2011
	Transportation to Site	5 days	April 7, 2011	April 11, 2011
	Verify Equipment Delivered at Site	3 days	April 12, 2011	April 14, 2011
	Installation & Commissioning	30 days	August 1, 2011	August 30, 2011
	Installation	20 days	August 1, 2011	August 20, 2011
	Commissioning	10 days	August 21, 2011	August 30, 2011
	Post Installation Testing	5 days	August 31, 2011	September 4, 2011
	Verify Installation/Commissioning & Testing	5 days	September 5, 2011	September 9, 2011
	NPGCL Invoice/USAID Reimbursement (10% of \$300,000)	0 days	September 9, 2011	September 9, 2011

LOT	Activity	Duration	Planned Start	Planned Finish
19.	Item # 18: Up-gradation of TSI System BNC 3300, Unit #	487 day	June 1, 2010	September 30, 2011
	Procurement of Equipment	127 day	June 1, 2010	October 5, 2010
	Bidding Documents	7 days	June 1, 2010	June 7, 2010
	Tender Notice	60 days	June 8, 2010	August 6, 2010
	Bid Evaluation	10 days	August 7, 2010	August 16, 2010
	CCC Concurrence	10 days	August 17, 2010	August 26, 2010
	Issuance of LOI & request for submission of PB	30 days	August 27, 2010	September 25, 2010
	Award of Contract	5 days	September 26, 2010	September 30, 2010
	Issuance of Letter of Credit	5 days	October 1, 2010	October 5, 2010
	Equipment Manufacturing/ Testing & Shipment	124 day	October 6, 2010	February 6, 2011
	Equipment Manufacturing	100 day	October 6, 2010	January 13, 2011
	Verify Testing at Vendor's Site	7 days	January 14, 2011	January 20, 2011
	Vendor Shipment	5 days	January 21, 2011	January 25, 2011
	Delivery of Shipping Documents	7 days	January 26, 2011	February 1, 2011
	Verify Shipment	5 days	February 2, 2011	February 6, 2011
	NPGL Invoice/USAID Reimbursement (90% of \$250	0 days	February 6, 2011	February 6, 2011
	Equipment Delivery Status	22 days	February 7, 2011	February 28, 2011
	Equipment Arrival at Port	5 days	February 7, 2011	February 11, 2011
	Customs Clearance	7 days	February 12, 2011	February 18, 2011
	Transportation to Site	7 days	February 19, 2011	February 25, 2011
	Verify Equipment Delivered at Site	3 days	February 26, 2011	February 28, 2011
	Installation & Commissioning	50 days	August 1, 2011	September 19, 2011
	Installation	40 days	August 1, 2011	September 9, 2011
	Commissioning	10 days	September 10, 2011	September 19, 2011
	Post Installation Testing	6 days	September 20, 2011	September 25, 2011
	Verify Installation/Commissioning & Testing	5 days	September 26, 2011	September 30, 2011
	NPGL Invoice/USAID Reimbursement (10% of \$250	0 days	September 30, 2011	September 30, 2011
20.	Item # 21: Air Pre-heater elements Hot end, intermedie layers along with seals for both units, Unit # 5 & 6	360 day	June 1, 2010	May 26, 2011
	Procurement of Equipment	125 day	June 1, 2010	October 3, 2010
	Bidding Documents	5 days	June 1, 2010	June 5, 2010
	Tender Notice	60 days	June 6, 2010	August 4, 2010
	Bid Evaluation	10 days	August 5, 2010	August 14, 2010
	CCC Concurrence	10 days	August 15, 2010	August 24, 2010
	Issuance of LOI & request for submission of PB	30 days	August 25, 2010	September 23, 2010
	Award of Contract	5 days	September 24, 2010	September 28, 2010
	Issuance of Letter of Credit	5 days	September 29, 2010	October 3, 2010
	Equipment Manufacturing/ Testing & Shipment	140 day	October 4, 2010	February 20, 2011
	Equipment Manufacturing	120 day	October 4, 2010	January 31, 2011
	Verify Testing at Vendor's Site	7 days	February 1, 2011	February 7, 2011
	Vendor Shipment	5 days	February 8, 2011	February 12, 2011
	Delivery of Shipping Documents	5 days	February 13, 2011	February 17, 2011
	Verify Shipment	3 days	February 18, 2011	February 20, 2011
	NPGL Invoice/USAID Reimbursement (90% of \$600	0 days	February 20, 2011	February 20, 2011
	Equipment Delivery Status	20 days	February 21, 2011	March 12, 2011
	Equipment Arrival at Port	5 days	February 21, 2011	February 25, 2011
	Customs Clearance	7 days	February 26, 2011	March 4, 2011
	Transportation to Site	5 days	March 5, 2011	March 9, 2011
	Verify Equipment Delivered at Site	3 days	March 10, 2011	March 12, 2011
	Installation & Commissioning	65 days	March 13, 2011	May 16, 2011
	Installation	45 days	March 13, 2011	April 26, 2011
	Commissioning	20 days	April 27, 2011	May 16, 2011
	Post Installation Testing	5 days	May 17, 2011	May 21, 2011
	Verify Installation/Commissioning & Testing	5 days	May 22, 2011	May 26, 2011
	NPGL Invoice/USAID Reimbursement (10% of \$600	0 days	May 26, 2011	May 26, 2011

LOT	Activity	Duration	Planned Start	Planned Finish
21.	Item # 22: Procurement of G.R.C Fan Impeller/Rotor, U	298 day	June 1, 2010	March 25, 2011
	Procurement of Equipment	96 days	June 1, 2010	September 4, 2010
	Bidding Documents	5 days	June 1, 2010	June 5, 2010
	Tender Notice	31 days	June 6, 2010	July 6, 2010
	Bid Evaluation	10 days	July 7, 2010	July 16, 2010
	CCC Concurrence	10 days	July 17, 2010	July 26, 2010
	Issuance of LOI & request for submission of PB	30 days	July 27, 2010	August 25, 2010
	Award of Contract	5 days	August 26, 2010	August 30, 2010
	Issuance of Letter of Credit	5 days	August 31, 2010	September 4, 2010
	Equipment Manufacturing/ Testing & Shipment	142 day	September 5, 2010	January 24, 2011
	Equipment Manufacturing	120 day	September 5, 2010	January 2, 2011
	Verify Testing at Vendor's Site	7 days	January 3, 2011	January 9, 2011
	Vendor Shipment	5 days	January 10, 2011	January 14, 2011
	Delivery of Shipping Documents	5 days	January 15, 2011	January 19, 2011
	Verify Shipment	5 days	January 20, 2011	January 24, 2011
	NPGCL Invoice/USAID Reimbursement (90% of \$25,000)	0 days	January 24, 2011	January 24, 2011
	Equipment Delivery Status	20 days	January 25, 2011	February 13, 2011
	Equipment Arrival at Port	5 days	January 25, 2011	January 29, 2011
	Customs Clearance	5 days	January 30, 2011	February 3, 2011
	Transportation to Site	7 days	February 4, 2011	February 10, 2011
	Verify Equipment Delivered at Site	3 days	February 11, 2011	February 13, 2011
	Installation & Commissioning	30 days	February 14, 2011	March 15, 2011
	Installation	20 days	February 14, 2011	March 5, 2011
	Commissioning	10 days	March 6, 2011	March 15, 2011
	Post Installation Testing	5 days	March 16, 2011	March 20, 2011
	Verify Installation/Commissioning & Testing	5 days	March 21, 2011	March 25, 2011
	NPGCL Invoice/USAID Reimbursement (10% of \$25,000)	0 days	March 25, 2011	March 25, 2011
22.	Item # 24: Economizer Tubes for both Units, Unit # 5 & 6	457 day	June 1, 2010	August 31, 2011
	Procurement of Equipment	194 day	June 1, 2010	December 11, 2010
	Bidding Documents	70 days	June 1, 2010	August 9, 2010
	Tender Notice	64 days	August 10, 2010	October 12, 2010
	Bid Evaluation	10 days	October 13, 2010	October 22, 2010
	CCC Concurrence	10 days	October 23, 2010	November 1, 2010
	Issuance of LOI & request for submission of PB	30 days	November 2, 2010	December 1, 2010
	Award of Contract	5 days	December 2, 2010	December 6, 2010
	Issuance of Letter of Credit	5 days	December 7, 2010	December 11, 2010
	Equipment Manufacturing/ Testing & Shipment	144 day	December 12, 2010	May 4, 2011
	Equipment Manufacturing	120 day	December 12, 2010	April 10, 2011
	Verify Testing at Vendor's Site	5 days	April 11, 2011	April 15, 2011
	Vendor Shipment	7 days	April 16, 2011	April 22, 2011
	Delivery of Shipping Documents	5 days	April 23, 2011	April 27, 2011
	Verify Shipment	7 days	April 28, 2011	May 4, 2011
	NPGCL Invoice/USAID Reimbursement (90% of \$500,000)	0 days	May 4, 2011	May 4, 2011
	Equipment Delivery Status	20 days	May 5, 2011	May 24, 2011
	Equipment Arrival at Port	5 days	May 5, 2011	May 9, 2011
	Customs Clearance	7 days	May 10, 2011	May 16, 2011
	Transportation to Site	5 days	May 17, 2011	May 21, 2011
	Verify Equipment Delivered at Site	3 days	May 22, 2011	May 24, 2011
	Installation & Commissioning	90 days	May 25, 2011	August 22, 2011
	Installation	70 days	May 25, 2011	August 2, 2011
	Commissioning	20 days	August 3, 2011	August 22, 2011
	Post Installation Testing	4 days	August 23, 2011	August 26, 2011
	Verify Installation/Commissioning & Testing	5 days	August 27, 2011	August 31, 2011
	NPGCL Invoice/USAID Reimbursement (10% of \$500,000)	0 days	August 31, 2011	August 31, 2011

LOT	Activity	Duration	Planned Start	Planned Finish
23.	Item # 28: Replacement of Damaged Exhaust Flue Gas Russian Grade Steel Sheets, Unit 5 & 6	429 day	June 1, 2010	August 3, 2011
	Procurement of Equipment	125 day	June 1, 2010	October 3, 2010
	Bidding Documents	5 days	June 1, 2010	June 5, 2010
	Tender Notice	60 days	June 6, 2010	August 4, 2010
	Bid Evaluation	10 days	August 5, 2010	August 14, 2010
	CCC Concurrence	10 days	August 15, 2010	August 24, 2010
	Issuance of LOI & request for submission of PB	30 days	August 25, 2010	September 23, 2010
	Award of Contract	5 days	September 24, 2010	September 28, 2010
	Issuance of Letter of Credit	5 days	September 29, 2010	October 3, 2010
	Equipment Manufacturing/ Testing & Shipment	112 day	October 4, 2010	January 23, 2011
	Equipment Manufacturing	90 days	October 4, 2010	January 1, 2011
	Verify Testing at Vendor's Site	7 days	January 2, 2011	January 8, 2011
	Vendor Shipment	5 days	January 9, 2011	January 13, 2011
	Delivery of Shipping Documents	5 days	January 14, 2011	January 18, 2011
	Verify Shipment	5 days	January 19, 2011	January 23, 2011
	NPGL Invoice/USAID Reimbursement (90% of \$300)	0 days	January 23, 2011	January 23, 2011
	Equipment Delivery Status	20 days	January 24, 2011	February 12, 2011
	Equipment Arrival at Port	5 days	January 24, 2011	January 28, 2011
	Customs Clearance	7 days	January 29, 2011	February 4, 2011
	Transportation to Site	5 days	February 5, 2011	February 9, 2011
	Verify Equipment Delivered at Site	3 days	February 10, 2011	February 12, 2011
	Installation & Commissioning	160 day	February 13, 2011	July 22, 2011
	Installation	140 days	February 13, 2011	July 2, 2011
	Commissioning	20 days	July 3, 2011	July 22, 2011
	Post Installation Testing	7 days	July 23, 2011	July 29, 2011
	Verify Installation/Integration & Testing	5 days	July 30, 2011	August 3, 2011
	NPGL Invoice/USAID Reimbursement (10% of \$300)	0 days	August 3, 2011	August 3, 2011
24.	Item # 29: Conversion of Boiler Ignition System from HSD/Furnace Oil, Unit # 5 & 6	399 day	June 1, 2010	July 4, 2011
	Procurement of Equipment	129 day	June 1, 2010	October 7, 2010
	Bidding Documents	7 days	June 1, 2010	June 7, 2010
	Tender Notice	60 days	June 8, 2010	August 6, 2010
	Bid Evaluation	10 days	August 7, 2010	August 16, 2010
	CCC Concurrence	10 days	August 17, 2010	August 26, 2010
	Issuance of LOI & request for submission of PB	30 days	August 27, 2010	September 25, 2010
	Award of Contract	5 days	September 26, 2010	September 30, 2010
	Issuance of Letter of Credit	7 days	October 1, 2010	October 7, 2010
	Equipment Manufacturing/ Testing & Shipment	140 day	October 8, 2010	February 24, 2011
	Equipment Manufacturing	120 days	October 8, 2010	February 4, 2011
	Verify Testing at Vendor's Site	5 days	February 5, 2011	February 9, 2011
	Vendor Shipment	7 days	February 10, 2011	February 16, 2011
	Delivery of Shipping Documents	3 days	February 17, 2011	February 19, 2011
	Verify Shipment	5 days	February 20, 2011	February 24, 2011
	NPGL Invoice/USAID Reimbursement (90% of \$500)	0 days	February 24, 2011	February 24, 2011
	Equipment Delivery Status	20 days	February 25, 2011	March 16, 2011
	Equipment Arrival at Port	5 days	February 25, 2011	March 1, 2011
	Customs Clearance	7 days	March 2, 2011	March 8, 2011
	Transportation to Site	5 days	March 9, 2011	March 13, 2011
	Verify Equipment Delivered at Site	3 days	March 14, 2011	March 16, 2011
	Installation & Commissioning	100 day	March 17, 2011	June 24, 2011
	Installation	80 days	March 17, 2011	June 4, 2011
	Commissioning	20 days	June 5, 2011	June 24, 2011
	Post Installation Testing	5 days	June 25, 2011	June 29, 2011
	Verify Installation/Commissioning & Testing	5 days	June 30, 2011	July 4, 2011
	NPGL Invoice/USAID Reimbursement (10% of \$500)	0 days	July 4, 2011	July 4, 2011

LOT	Activity	Duration	Planned Start	Planned Finish
25.	Item # 31: Hydraulic Coupling of Boiler Feed water Pur	279 day	June 1, 2010	March 6, 2011
	Procurement of Equipment	127 day	June 1, 2010	October 5, 2010
	Bidding Documents	7 days	June 1, 2010	June 7, 2010
	Tender Notice	60 days	June 8, 2010	August 6, 2010
	Bid Evaluation	10 days	August 7, 2010	August 16, 2010
	CCC Concurrence	10 days	August 17, 2010	August 26, 2010
	Issuance of LOI & request for submission of PB	30 days	August 27, 2010	September 25, 2010
	Award of Contract	5 days	September 26, 2010	September 30, 2010
	Issuance of Letter of Credit	5 days	October 1, 2010	October 5, 2010
	Equipment Manufacturing/ Testing & Shipment	112 day	October 6, 2010	January 25, 2011
	Equipment Manufacturing	90 days	October 6, 2010	January 3, 2011
	Verify Testing at Vendor's Site	7 days	January 4, 2011	January 10, 2011
	Vendor Shipment	5 days	January 11, 2011	January 15, 2011
	Delivery of Shipping Documents	5 days	January 16, 2011	January 20, 2011
	Verify Shipment	5 days	January 21, 2011	January 25, 2011
	NPGCL Invoice/USAID Reimbursement (90% of \$60,000)	0 days	January 25, 2011	January 25, 2011
	Equipment Delivery Status	20 days	January 26, 2011	February 14, 2011
	Equipment Arrival at Port	7 days	January 26, 2011	February 1, 2011
	Customs Clearance	5 days	February 2, 2011	February 6, 2011
	Transportation to Site	5 days	February 7, 2011	February 11, 2011
	Verify Equipment Delivered at Site	3 days	February 12, 2011	February 14, 2011
	Installation & Commissioning	10 days	February 15, 2011	February 24, 2011
	Installation	5 days	February 15, 2011	February 19, 2011
	Commissioning	5 days	February 20, 2011	February 24, 2011
	Post Installation Testing	5 days	February 25, 2011	March 1, 2011
	Verify Installation/Commissioning & Testing	5 days	March 2, 2011	March 6, 2011
	NPGCL Invoice/USAID Reimbursement (10% of \$60,000)	0 days	March 6, 2011	March 6, 2011
26.	Item # 34: Procurement of 6.6 kv Motors for C.W Pump, Fan & BF Pumps, Unit 5 & 6	327 day	June 1, 2010	April 23, 2011
	Procurement of Equipment	125 day	June 1, 2010	October 3, 2010
	Bidding Documents	5 days	June 1, 2010	June 5, 2010
	Tender Notice	60 days	June 6, 2010	August 4, 2010
	Bid Evaluation	10 days	August 5, 2010	August 14, 2010
	CCC Concurrence	10 days	August 15, 2010	August 24, 2010
	Issuance of LOI & request for submission of PB	30 days	August 25, 2010	September 23, 2010
	Award of Contract	5 days	September 24, 2010	September 28, 2010
	Issuance of Letter of Credit	5 days	September 29, 2010	October 3, 2010
	Equipment Manufacturing/ Testing & Shipment	142 day	October 4, 2010	February 22, 2011
	Equipment Manufacturing	120 days	October 4, 2010	January 31, 2011
	Verify Testing at Vendor's Site	7 days	February 1, 2011	February 7, 2011
	Vendor Shipment	5 days	February 8, 2011	February 12, 2011
	Delivery of Shipping Documents	5 days	February 13, 2011	February 17, 2011
	Verify Shipment	5 days	February 18, 2011	February 22, 2011
	NPGCL Invoice/USAID Reimbursement (90% of \$500,000)	0 days	February 22, 2011	February 22, 2011
	Equipment Delivery Status	20 days	February 23, 2011	March 14, 2011
	Equipment Arrival at Port	5 days	February 23, 2011	February 27, 2011
	Customs Clearance	5 days	February 28, 2011	March 4, 2011
	Transportation to Site	7 days	March 5, 2011	March 11, 2011
	Verify Equipment Delivered at Site	3 days	March 12, 2011	March 14, 2011
	Installation & Commissioning	30 days	March 15, 2011	April 13, 2011
	Installation	20 days	March 15, 2011	April 3, 2011
	Commissioning	10 days	April 4, 2011	April 13, 2011
	Post Installation Testing	5 days	April 14, 2011	April 18, 2011
	Verify Installation/Commissioning & Testing	5 days	April 19, 2011	April 23, 2011
	NPGCL Invoice/USAID Reimbursement (10% of \$500,000)	0 days	April 23, 2011	April 23, 2011

LOT	Activity	Duration	Planned Start	Planned Finish
27.	Item # 35: Procurement of 6.6/0.4 Kv Breaker, Unit 5 & 6	334 day	June 1, 2010	April 30, 2011
	Procurement of Equipment	125 day	June 1, 2010	October 3, 2010
	Bidding Documents	5 days	June 1, 2010	June 5, 2010
	Tender Notice	60 days	June 6, 2010	August 4, 2010
	Bid Evaluation	10 days	August 5, 2010	August 14, 2010
	CCC Concurrence	10 days	August 15, 2010	August 24, 2010
	Issuance of LOI & request for submission of PB	30 days	August 25, 2010	September 23, 2010
	Award of Contract	5 days	September 24, 2010	September 28, 2010
	Issuance of Letter of Credit	5 days	September 29, 2010	October 3, 2010
	Equipment Manufacturing/ Testing & Shipment	142 day	October 4, 2010	February 22, 2011
	Equipment Manufacturing	120 day	October 4, 2010	January 31, 2011
	Verify Testing at Vendor's Site	7 days	February 1, 2011	February 7, 2011
	Vendor Shipment	5 days	February 8, 2011	February 12, 2011
	Delivery of Shipping Documents	5 days	February 13, 2011	February 17, 2011
	Verify Shipment	5 days	February 18, 2011	February 22, 2011
	NPGL Invoice/USAID Reimbursement (90% of \$200,000)	0 days	February 22, 2011	February 22, 2011
	Equipment Delivery Status	18 days	February 23, 2011	March 12, 2011
	Equipment Arrival at Port	5 days	February 23, 2011	February 27, 2011
	Customs Clearance	5 days	February 28, 2011	March 4, 2011
	Transportation to Site	5 days	March 5, 2011	March 9, 2011
	Verify Equipment Delivered at Site	3 days	March 10, 2011	March 12, 2011
	Installation & Commissioning	30 days	March 13, 2011	April 11, 2011
	Installation	20 days	March 13, 2011	April 1, 2011
	Commissioning	10 days	April 2, 2011	April 11, 2011
	Post Installation Testing	5 days	April 12, 2011	April 16, 2011
	Verify Installation/Commissioning & Testing	5 days	April 26, 2011	April 30, 2011
	NPGL Invoice/USAID Reimbursement (10% of \$200,000)	0 days	April 30, 2011	April 30, 2011
28.	Item # 36: Protection Relay for Generators, Unit 5 & 6	305 day	June 1, 2010	April 1, 2011
	Procurement of Equipment	125 day	June 1, 2010	October 3, 2010
	Bidding Documents	5 days	June 1, 2010	June 5, 2010
	Tender Notice	60 days	June 6, 2010	August 4, 2010
	Bid Evaluation	10 days	August 5, 2010	August 14, 2010
	CCC Concurrence	10 days	August 15, 2010	August 24, 2010
	Issuance of LOI & request for submission of PB	30 days	August 25, 2010	September 23, 2010
	Award of Contract	5 days	September 24, 2010	September 28, 2010
	Issuance of Letter of Credit	5 days	September 29, 2010	October 3, 2010
	Equipment Manufacturing/ Testing & Shipment	142 day	October 4, 2010	February 22, 2011
	Equipment Manufacturing	120 day	October 4, 2010	January 31, 2011
	Verify Testing at Vendor's Site	7 days	February 1, 2011	February 7, 2011
	Vendor Shipment	5 days	February 8, 2011	February 12, 2011
	Delivery of Shipping Documents	5 days	February 13, 2011	February 17, 2011
	Verify Shipment	5 days	February 18, 2011	February 22, 2011
	NPGL Invoice/USAID Reimbursement (90% of \$30,000)	0 days	February 22, 2011	February 22, 2011
	Equipment Delivery Status	18 days	February 23, 2011	March 12, 2011
	Equipment Arrival at Port	5 days	February 23, 2011	February 27, 2011
	Customs Clearance	5 days	February 28, 2011	March 4, 2011
	Transportation to Site	5 days	March 5, 2011	March 9, 2011
	Verify Equipment Delivered at Site	3 days	March 10, 2011	March 12, 2011
	Installation & Commissioning	10 days	March 13, 2011	March 22, 2011
	Installation	5 days	March 13, 2011	March 17, 2011
	Commissioning	5 days	March 18, 2011	March 22, 2011
	Post Installation Testing	5 days	March 23, 2011	March 27, 2011
	Verify Installation/Commissioning & Testing	5 days	March 28, 2011	April 1, 2011
	NPGL Invoice/USAID Reimbursement (10% of \$30,000)	0 days	April 1, 2011	April 1, 2011

LOT	Activity	Duration	Planned Start	Planned Finish
29.	Item # 38: Supply, Installation, Commissioning & Testing of distribution control system, Unit 5 & 6	327 days	June 1, 2010	April 23, 2011
	Procurement of Equipment	125 days	June 1, 2010	October 3, 2010
	Bidding Documents	5 days	June 1, 2010	June 5, 2010
	Tender Notice	60 days	June 6, 2010	August 4, 2010
	Bid Evaluation	10 days	August 5, 2010	August 14, 2010
	CCC Concurrence	10 days	August 15, 2010	August 24, 2010
	Issuance of LOI & request for submission of PB	30 days	August 25, 2010	September 23, 2010
	Award of Contract	5 days	September 24, 2010	September 28, 2010
	Issuance of Letter of Credit	5 days	September 29, 2010	October 3, 2010
	Equipment Manufacturing/ Testing & Shipment	112 days	October 4, 2010	January 23, 2011
	Equipment Manufacturing	90 days	October 4, 2010	January 1, 2011
	Verify Testing at Vendor's Site	7 days	January 2, 2011	January 8, 2011
	Vendor Shipment	5 days	January 9, 2011	January 13, 2011
	Delivery of Shipping Documents	5 days	January 14, 2011	January 18, 2011
	Verify Shipment	5 days	January 19, 2011	January 23, 2011
	NGCL Invoice/USAID Reimbursement (90% of \$200)	0 days	January 23, 2011	January 23, 2011
	Equipment Delivery Status	20 days	January 24, 2011	February 12, 2011
	Equipment Arrival at Port	5 days	January 24, 2011	January 28, 2011
	Customs Clearance	7 days	January 29, 2011	February 4, 2011
	Transportation to Site	5 days	February 5, 2011	February 9, 2011
	Verify Equipment Delivered at Site	3 days	February 10, 2011	February 12, 2011
	Installation & Commissioning	60 days	February 13, 2011	April 13, 2011
	Installation	50 days	February 13, 2011	April 3, 2011
	Commissioning	10 days	April 4, 2011	April 13, 2011
	Post Installation Testing	5 days	April 14, 2011	April 18, 2011
	Verify Installation/Commissioning & Testing	5 days	April 19, 2011	April 23, 2011
	NGCL Invoice/USAID Reimbursement (10% of \$200)	0 days	April 23, 2011	April 23, 2011

ANNEX – B: MEETING NOTES

A meeting between AEAI staff and NPGCL was held on 6th Sept 2010 at Muzaffargarh Thermal Power Station to discuss the FARA monitoring and support plan and to participate in the hiring process of the procurement specialist.

For the purpose of interview of Procurement Specialist, a selection board was constituted by CEO consisting of Human Resource & Admin Director, Resident Engineer Unit 4 (Coordinator for FARA), Finance Director and Chief Engineer/Technical Director, however, since both the RE Unit 4 and FD were out of station, therefore in their absence Director MMS and Deputy Manager Accounts participated in the interview. AEAI staff are ensuring that the TOR for the procurement specialist, as specified by USAID, is strictly adhered to and that the selection of the winning candidate transparent and on merit. A copy of the TOR is appended herewith.

PROCUREMENT MANAGER/ SPECIALIST

Duties and Responsibilities

Summary of key functions:

- Management of power plant equipment, spares, and consumables procurement.
 - Implementation of sourcing strategy and use of e-procurement tools.
 - Work closely with GENCO management team and WAPDA's Central Contract Cell.
1. Analyzes sourcing strategy, supplier selection, improvement of procurement processes for the GENCO.
 2. Analyzes information for preparation of procurement plans for the projects and monitoring of their implementation.
 3. Implements monitoring and control of procurement processes including organization of request for qualifications (RFQ), international tender bids (ITB) or request for proposals (RFP), receipt of quotations, bids or proposals, their evaluation, negotiation of certain conditions of contracts in full compliance with all applicable rules and regulations.
 4. Ensures implementation of sourcing strategy and e-procurement tools focusing on development and management of the rosters of suppliers, elaboration of supplier selection and evaluation criteria, quality and performance measurement mechanisms.
 5. Designs and implements training program for the operations/ projects staff on Procurement.
 6. Liaises with freight forwarders to coordinate the transport of goods to final destinations.

Corporate Competencies:

- Demonstrated integrity and ethical standards. Pertinent work references to be supplied.
- Demonstrated ability to provide analytical inputs to strategic planning, results-based management and reporting.
- Demonstrated ability to lead procurement processes using specific procurement methods (RFQ, ITB, and RFP).

Education & Experience:

1. Minimum bachelor's degree in fields related to business administration, management, public administration, or any other related field and four years of relevant experience at the national or international level in all phases of procurement management or minimum master's degree in fields related to business administration, management, public administration, or any other related field and two years of relevant experience at the national or international level in all phases of procurement management.
2. Experience in the use of computers and MS Office software packages (MS Word, Excel, etc) and knowledge of web-based systems for procurement solicitations.
3. Experience working with donor agencies procurement departments is a plus.

Following the interview, an evaluation sheet was compiled which was signed by the concerned authorities, attached below.

S.	Name of	Qualification	Age	Experience	Rating	Grand
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Confidential information redacted

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