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MONTHLY PROGRESS REPORT OCTOBER 2012 REPAIR AND REHABILITATION OF MUZAFFARGARH THERMAL POWER STATION

November 2012

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USAID ENERGY POLICY PROGRAM

MONTHLY PROGRESS REPORT

OCTOBER 2012

REPAIR AND REHABILITATION OF MUZAFFARGARH THERMAL POWER STATION

Contract No: AID-EPP-I-00-03-00004

Order No: AID-391-TO-12-00002

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Rehabilitation of Muzaffargarh TPS under Activity Agreement:

The rehabilitation/replacement work to date has resulted in 280MW of capacity being restored out of total estimated gains of 475 MW. After rehabilitation of the boiler super heater tubes at units 1, 2 & 3, 230 MW of capacity has been restored and with the replacement of air pre-heater elements (intermediate and cold end) at unit 4, another 50MW was added.

During the reporting month three complete equipment (PIL Line Item# 6, 21 & 28) and one partial equipment (PIL Line Item#9) was received at site.

The Environmental Audit Report of Muzaffargarh Thermal Power Station was shared with the concerned staff at the power plant to follow the recommendations given by the auditors to ensure compliance with the EMMP.

During the reporting month, EPP certified two reimbursement claims for PIL Item# 11 and 22 of \$ 890,340, and submitted to the USAID Energy Office for approval. Total amount disbursed to the GOP as of October 2012 is \$ 9,283,131¹. Status of the MTPS Activity Agreement is tabulated on the next page:

¹ EPP has processed and submitted to USAID \$9,283,131; out of which \$1,397,280 is in process with USAID

Line Item No.	Unit No.	Work Item Description	Agreement Amount	Claims Submitted under FARA	Claims submitted under new PIL	Status
1	1,2&3	Rehabilitation of Boiler super heater tubes to overcome failure of tubes	\$4,080,000	\$4,080,000		Material received and installed at site. 100% Claim reimbursed from USAID
2	1- 4	Special Cooling Water Treatment.	\$ 187,440			Tender opened for the fourth time on 26.06.2012 but no firm participated. Tender was again opened on 11.09.2012 and bids are under evaluation process.
3	1-6	Use of Fuel Oil Additive as done on Unit-4 (450 Tons).	\$921,225			Re-Tendered and opened in March 2012. Evaluation completed and LOI issued on 03.10.2012. Now file is sent to GM (thermal) office on 15.10.2012 for allocation of foreign exchange.
4	1,2&3	Replacement of Cold layer element for RAH (2 sets)	\$ 170,000	\$ 170,000		Material received and installed at site. 100% Claim reimbursed from USAID
5	1,2&3	Modification of Excitation system (3 set)	\$ 191,700			Tender opened in April 2012 and Bid Evaluation is in process
6	1,2&3	Electric motors for C.T. Fan (02 No) and for GRC fan. (01 No).	\$ 184,245		\$ 184,245	PO was issued on 23.09. 2011 for electric motors while LC opened on 02.02 2012 for GRC fan. Material received at site on 18.10.2012. Claim for 100% Payment reimbursed by USAID
7	3	D.C. Storage batteries (01 Set).	\$60,000	\$60,000		Material received and installed at site. 100% Claim reimbursed from USAID
8	1,2&3	220Kv circuit breaker SF6 type (06 No).	\$337,605		\$337,605*	LC established on 03.08.2012. Claim for 100% payment received and forward to USAID/ENR for approval on September 25, 2012
9	4	Re-blading of LP. Rotor (LP Turbine Rotor blades of row (6&7), pins & locking device).	\$787,035			PO issued and LC opened on 02.02.2012. Claim for 100% Payment (\$787,035) received but the claim was turned down because one item in PO was not included in the PIL. Now NPGCL placed PO for the dropped item and LC is also opened. NPGCL will submit

						documents for reimbursement
10	4	Air Pre-Heater Elements (Intermediate and Cold) 02 sets	\$255,000		\$255,000	Material received and installed at site. Claim for 100% Payment reimbursed by USAID
11	4	Up-grading of AVR System (01 set).	\$249,210		\$249,210*	PO issued on 20.07.2012. LC opened on 12.10.2012. Claim for 100% payment received and forward to USAID/ENR for approval on October 25, 2012
12	4	Replacing UPS I&2. (01 set).	\$62,835			PO issued. LC established on 12.10.2012. Claim for 100% Payment (\$62,835) received but not forwarded to USAID/ENR due to specifications problem.
13	4	DEH (01 set).	\$319,500			Tender again opened on 18.10.2012 and is under evaluation process.
14	4	Up-grading of FSSS System (01 set).	\$138,450			Tender again opened on 18.10.2012 and is under evaluation process.
15	4	Up-grading of TSI system BNC 3300 or equivalent (Turbine Supervisory Instrument) (01 set).	\$266,250			Tender again opened on 18.10.2012 and is under evaluation process.
16	1-6	Training and software/hardware cost for CMMS and off-line efficiency monitoring system. All Units	\$1,000,000			Technical offer opened in Feb 2012 but it is now be retendered and it will open on 13.11.2012.
17	5&6	I.D. Fan Rotor/Impeller along with Housing and Dampers (04 Set).	\$625,000		\$562,500	Consignment received on 26.02.2011 and installed partially at unit 5. 90% claim reimbursed by USAID
18	5&6	Air Pre heater Elements Hot end, intermediate & cold end layers along with seals for both units (04 Set).	\$639,000			PO issued on 20.07.2012. LC established on 12.10.2012. LC established on 12.10.2012. Claim for 100% Payment (\$639,000) received but not forwarded to USAID/ENR due to specifications problem.
19	5&6	Procurement of G.R.C. Fan	\$33,548		\$33,548	Po issued and LC opened on 27.01.2012. Material received at site on 16.07.2012. Claim for 100% payment reimbursed by

Impeller/Rotor (01 Set).					USAID	
20	5&6	Procurement of Cooling Tower Fan Gear Box & its parts. (06 No. gear box).	\$236,963		\$236,963	PO issued and LC opened on 27.01.2012. Material received on site on 27.08.2012. Claim for 100% payment reimbursed by USAID.
21	5&6	Economizer Tubes for both Units (02 Sets)	\$2,130,000		\$2,130,000	Po issued and LC opened on 05.04.2012. received at site on 24.10.2012. Claim for 100% Payment reimbursed by USAID
22	5&6	IP Turbine Rotor (01 No).	\$641,130		\$641,130*	PO issued on 14.06.2012. LC established on 12.10.2012. Claim for 100% payment received and forward to USAID/ENR for approval on October 25, 2012
23	5&6	Replacement of Damaged Exhaust flue gas ducts of material Russian Grade Steel sheets (50 M.T), Plate Type Heat Exchanger for Inner Water Cooling System of Generator and Motor for Starting Oil Pump (Vertical) Units 5-6	\$287,550			Tender opened and LOI issued on 28.05.2012. PO issued on 29.06.2012. Cash foreign budget allocated on 06.09.2012. CRRK office requested for establishment of LC
24	5&6	Conversion of Boiler Ignition System from Natural Gas to HSD/Furnace Oil	\$277,965			Tenders opened and evaluation completed. LOI to be issued
25	5&6	Repair of winding and stator of Generators and testing	\$319,500			Draft tender documents sent to GM office on 06.08.2012. Tender to be open on 13.11.2012.
26	5&6	Hydraulic coupling of Boiler Feed Water Pumps (01 No).	\$63,900			Tender opened but only one firm participated and rate quoted by the firm is ten times higher than the estimated cost
27	5&6	Modification of Excitation System	\$166,140			Tender opened and is under evaluation
28	5&6	Procurement of 0.4KV Motors for Cooling Towers Fan and APH 02	\$10,650		10,650	PO issued and LC opened in April 2012. Material received at site on 15.10.2012. Claim for 100% payment reimbursed
29	5&6	Procurement of 6.6KV Motor for C.W. Pumps, CP, ID Fan, FD Fan & BF	\$162,945		\$162,945	Po issued and LC opened in April 2012. Claim for 100%

Pumps (05 No).				payment reimbursed		
30	5&6	Procurement of 6.6/0.4KV Breaker (5 No. 6KV breaker, 18Nos. 0.4Kv Breakers).	\$295,005			PO issued and LC of second PO was also opened. Claim for 100% payment will be lodged shortly.
31	5&6	Protection Relay for Generators.	\$29,820			Tenders opened and LOI issued on 24.02.2012. PO issued on 31.05.2012. LC established on 12.10.2012. Claim for 100% Payment received but not forwarded to USAID/ENR due to specifications problem.
32	5&6	MK Breakers, Seal Oil Coolers, PMG	\$169,335		\$169,335*	Consignment received at site. Claim for 100% payment received and forwarded to USAID/ENR for approval on May 29, 2012
33	5&6	Supply, Installation, Commissioning & Testing of complete distributed control system (DCS) including field equipment such as sensors, transmitter & actuators etc. for turbine governing system DEH-III and Boiler Turbine Auto regulation system YEWPACK-II	\$213,000			Retendered and bid evaluation in process.
34	5&6	Rehabilitation of Furnace safety Supervisory System (FSSS) including Furnace camera, flame monitoring & ignition system	\$266,250			Tender opened and bid evaluation in process
Total			\$15,778,195	\$ 4,872,500	\$ 4,410,631	

Claims Processed and Submitted to USAID = \$9,283,131 (including \$1,397,280 that are under process with USAID)

* Claims processed by EPP and under process with USAID

Summary by Status as of October 31, 2012

Description	Number	Amount
Material Received at Site	11	\$ 7,954,741
LC opened and material is awaited	9	\$ 3,204,585
PO issued and LC is awaited	1	\$ 287,550
Performance Bond received and PO is awaited	-	-
LOI Issued and Performance Bond is awaited	1	\$ 921,225
Tender/Re-Tender opened and in process	10	\$ 2,090,595
Tender/Re-Tender Awaited	2	\$ 1,319,500
Total PIL Line Items	34	\$ 15,778,195

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