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USAID ENERGY POLICY PROGRAM

MONTHLY REPORT DECEMBER 2012

REPAIR AND REHABILITATION OF MUZAFFARGARH THERMAL POWER STATION

January 2013

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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:

During the reporting month, with the replacement of air preheater elements 50 MW were added to the plant's generation capacity. The rehabilitation work to date has resulted in 330 MW of capacity restoration at the power plant.

EPP visited MTPS in December and provided support to the GECNO in preparing a revision the PIL. EPP will facilitate a meeting with USAID and MTPS early next month to finalize the PIL modifications. The modification will help expedite payment of reimbursement claims held up due to deviations from the agreement's technical specifications.

The total amount disbursed to the GOP as of December 2012 is \$ 10,133,001¹.

The status of the MTPS Activity Agreement is tabulated on the next page:

¹ EPP certified claims of \$10,133,001; out of which \$337,605 is in process with USAID

Table 7: Status of MTPS Activity Agreement

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
2	1- 4	Special Cooling Water Treatment.	\$187,440			Tender opened for the 4 th 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			PO issued on 23.11.2012
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
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
7	3	D.C. Storage batteries (01 Set).	\$60,000	\$60,000		Material received and installed at site. 100% Claim reimbursed
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 &	\$787,035		\$787,035	Claim for 100% reimbursed

		locking device).				
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
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 reimbursed
12	4	Replacing UPS I&2. (01 set).	\$62,835	\$62,835		Claim for 100% reimbursed
13	4	DEH (01 set).	\$319,500			Tender again opened on 18.10.2012 and is under evaluation
14	4	Up-grading of FSSS System (01 set).	\$138,450			Tender again opened on 18.10.2012 and is under evaluation
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
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
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 Impeller/Rotor (01 Set).	\$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
20	5&6	Procurement of Cooling Tower Fan Gear Box & its parts. (06 No. gear	\$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

		box).			
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
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 reimbursed
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		LC established for one PO while LC is awaited for the second PO. Request for foreign exchange allocation for the second PO was submitted on 15.10.2012.
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 opened on 28.11.2012.
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 Pumps (05 No).	\$162,945	\$162,945	Po issued and LC opened in April 2012. Claim for 100% 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 but specifications were not as per PIL therefore NPGCL issued an amended PO for the short items.
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 reimbursed
33	5&6	Supply, Installation, Commissioning & Testing of complete distributed control system 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 including Furnace camera, flame monitoring & ignition system	\$266,250		Tender opened and bid evaluation in process
Total			\$15,778,195	\$4,872,500	\$5,260,501

Claims Processed and Submitted to USAID = **\$10,133,001** (including * \$337,605 that are under process with USAID)

Table 8: Summary of Status of Muzaffargarh TPS as of December 31, 2012

Description	Number	PIL Item #	Amount
Material Received at Site	11	1,4,6,7,10,17,19,20,21,28,32	\$7,954,741
LC opened and material is awaited	9	8,9,11,12,18,22,29,30,31	\$3,204,585
PO issued and LC is awaited	2	3, 23	\$1,208,775
Performance Bond received and PO is awaited	-	-	-
LOI Issued and Performance Bond is awaited	-	-	-
Tender/Re-Tender opened and in process	10	2,5,13,14,15,16,24,25,26,27	\$2,930,845
Tender/Re-Tender Awaited	2	33,34	\$479,250
Total PIL Line Items	34		\$15,778,195

LC opened for PIL Item # 18, 30, 31 but their specifications are not as per PIL therefore claim will be processed on procurement of remaining items

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