



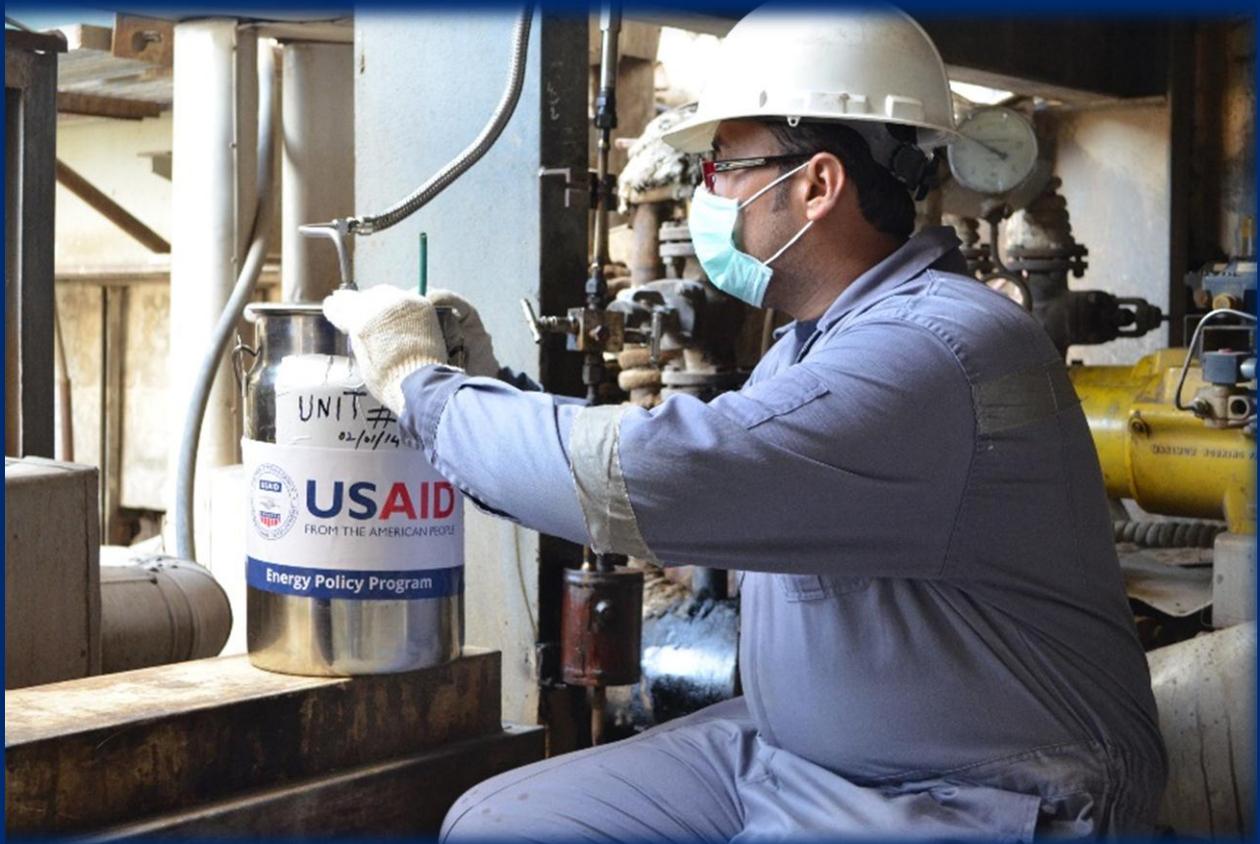
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PAKISTAN

ENERGY POLICY PROGRAM

MONTHLY PROGRESS REPORT

JANUARY 2014



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ENERGY POLICY PROGRAM

MONTHLY PROGRESS REPORT: JANUARY 2014

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Cover photo: Heat rate test being conducted at Muzaffargarh Thermal Power Station

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ACRONYMS

AEAI	Advanced Engineering Associates International
CEO	Chief Executive Officer
CFW	Corporate Finance Wing
CPGCL	Central Power Generation Company Ltd
DGPC	Directorate General Petroleum Concessions
DISCO	Distribution Company
EMMP	Environmental Mitigation and Monitoring Plan
EPP	Energy Policy Program
FARA	Fixed Amount Reimbursable Agreement
FATA	Federally Administered Tribal Areas
FY	Financial year
GE	General Electric
GENCO	Generation Company
GHCL	GENCO Holding Company Limited
GOP	Government of Pakistan
GTPS	Guddu Thermal Power Station
HEC	Heavy Electric Complex
JTPS	Jamshoro Thermal Power Station
KPK	Khyber Pakhtunkhwa
kV	Kilovolts, 1000 volts, unit of electric potential (voltage)
LNG	Liquefied Natural Gas
LSA	LNG Services Agreement
MOF	Ministry of Finance
MPNR	Ministry of Petroleum and Natural Resources
MTPS	Muzaffargarh Thermal Power Station
MW	Megawatt, unit of electrical power, 1 million watts,
MWP	Ministry of Water and Power
NEPRA	National Electric Power Regulatory Authority
NPCC	National Power Control Center
NTDC	National Transmission and Despatch Company
O & M	Operations and Maintenance

PC	Planning Commission
PESCO	Peshawar Electricity Supply Company
PIL	Project Implementation Letter
PO	Purchase Order
Power-SIM	Power System Integrated Model
PPA	Power Purchase Agreement
PQA	Port Qasim Authority
PTF	Power Transformer
RFP	Request for Proposal
RPC	Reactive Power Compensation
SCADA	Supervisory Control and Data Acquisition
SMS	Secured Metering System
SOW	Scope of Work
SSGC	Sui Southern Gas Company
TOR	Terms of Reference
TPS	Thermal Power Station
USAID	United States Agency for International Development
USD	United States Dollar, US\$
WAPDA	Water and Power Development Authority

PROGRAM OVERVIEW

The Energy Policy Program (EPP) is a multiyear, USAID-funded initiative to increase power generation, improve transmission and enhance cost recovery. EPP works with selected energy enterprises to assist the Government of Pakistan's sector reform efforts. The program supports the joint goals of the United States Government (USG) and the Government of Pakistan in reforming the power sector, and is designed to address Pakistan's chronic electricity shortage. The program is currently in its *Integration Phase*, which continues the due diligence and G2G program focus, while emphasizing an integration of technical upgrades, policy reform implementation, and transmission-related activities.



Figure 1: EPP Phases

EPP comprises of interrelated activities and interventions built around four major components:

Component I - Monitoring & support of Project Implementation: EPP provides monitoring and implementation support for six signature energy projects: four repair and maintenance projects (3 GENCOs and Tarbela); and two multipurpose dam completion projects (Gomal Zam and Satpara)

Component II – Advice and Support of Energy Sector Policy Reform: EPP supports generation and transmission-related studies and policy reform activities assigned by USAID with the support of Implementing Partners.

Component III – New Projects, Planning and Development: EPP conducts and prepares due diligence reports on new projects under consideration for USG support in order to provide detailed information on these projects, reduce USG risk, and set a basis for creating Project Implementation Agreements for selected projects.

Component IV – New Activities: EPP focuses on strengthening Pakistan's transmission network, as well as fuel-mix diversification through support to energy import efforts. Complementing these activities, EPP's capacity building program facilitates sustainability by enhancing local capability in critical areas.

PROGRESS IN NUMBERS

Table I: EPP Progress

Item	Achieved or Completed	Targets LOP	% Completion
Generation MW	933	863	108.1
Transmission MW	132.9	400	33.2
Policy Reform and Governance input	9	10	90
Due Diligence/Studies completed	2	NA	NA
G2G Funding \$ million	132.08	141.7	93
Procurement contracts \$ million	12.72	25.9	49

Where We Work



Figure 2: Map of EPP Activity Areas

COMPONENT I: PROJECT MONITORING & IMPLEMENTATION

EPP provides monitoring and implementation support for the six G2G signature energy projects identified in the Task Order Award. These projects include rehabilitation of three thermal power plants (Muzaffargarh, Guddu and Jamshoro), one hydropower plant (Tarbela Dam); and construction of two new multipurpose dams (Gomal Zam Dam and Satpara Dam). Total USG funding for these projects is \$141.7 million (per revised agreements) with estimated gains of 863 MW.

As of January 2014, \$132.08 million – or 93% of total funding – has been disbursed to GOP implementing partners, and 933 MW have been added to Pakistan’s national grid. Results achieved through the G2G projects are illustrated in the table below:

Table 2: Results Achieved through G2G Projects

Projects	USG Funding (Million)	Paid (Million)	Completion Date	MW Gains/Benefits	
				Target	Achieved (Jan 31, 2013)
Tarbela	\$16.50	\$13.95	12/31/14	128	128
Jamshoro	\$19.32	\$15.96	12/31/14	150	270
Guddu	\$19.12	\$17.34	12/31/14	75	-
Muzaffargarh	\$15.77	\$13.83	12/31/14	475	500
Gomal Zam	\$45.00	\$45.00	Completed	17.4	17.4
Satpara	\$26.00	\$26.00	Completed	17.6	17.6
Total	\$141.71	\$132.08		863	913

During the reporting month, EPP technical experts visited the project sites regularly, verified deliveries, inspected equipment, and continuously monitored work progress.

Rehabilitation of Tarbela Hydropower Plant

In January, under EPP’s supervision work started on the installation of a digital governor at unit 4. Digital governors have been installed and commissioned at units 7 and 9. The digital governors will aid in the smooth operation of the power station.

The rehabilitation work to date has resulted in restoration of 128 MW at Tarbela hydropower plant. Replacement of the generator windings at units 1, 3 and 4, and the installation of relief valve seals, guides and pumps are now complete. The remaining replacement/repair work will increase the reliability and sustainability of the power plant, but not support restoration of additional megawatts.

Of the \$16.5 million funding amount committed for Tarbela, the total disbursement as of January 2014 has reached to \$13.95 million.

Gomal Zam Multipurpose Dam Project (Project Completed)

With \$45 million of funding committed, USAID supported WAPDA in the completion of the main dam, powerhouse, and switchyard and transmission line at Gomal Zam.

The dam has added 17.4 MW to the national grid and is capable of storing 1.14 million acre feet of water that will control flooding and irrigate 191,000 acres of land. The project stands completed and was inaugurated by U.S. Ambassador Olson in September 2013.

Satpara Multipurpose Dam Project

EPP successfully achieved the Satpara Multipurpose Dam project objectives ahead of the desired completion date of December 31, 2013. The dam, four powerhouses, and irrigation canals are complete. The entire funding amount of \$26 million committed for Satpara has been disbursed to the GOP.

The dam has added 17.6 MW to the Skardu grid, and is capable of storing 0.09 million acre feet of water that will control flooding and irrigate 15,500 acres of land. The power generated by the dam is enough to meet the electricity consumption needs of 280,000 individuals.

Severe weather conditions created challenges for work on this project, but EPP ensured completion of the project before the desired deadline.

Muzaffargarh Thermal Power Station Rehabilitation Project

During the reporting month, 20 MW of power generation capacity was restored by the replacement of air preheater elements at units 5&6 and use of fuel oil additives at MTPS. With the 20MW gains, the rehabilitation work to date has resulted in the addition of 500 MW of generation capacity which exceeds the target of 475 MW. The 500 MW added to the national grid is sufficient to supply electricity to 1.1 million households. Major equipment has been installed and rehabilitated at MTPS, and procurement of the remaining equipment required is in process.

With an amendment to the Activity Agreement to the project completion date has been extended to December 31, 2014.

As of January 2014, out of the obligated amount of \$15.77, the total amount disbursed to the GOP stands at \$13.83 million for MTPS.

Jamshoro Thermal Power Station Rehabilitation Project

USAID funded rehabilitation at JTPS has resulted in the restoration of 270 MW of power generation capacity, which exceeds the project objective of 150 MW given in the Agreement. During the reporting period, EPP continued to support JTPS in the procurement process to expedite obtaining the remaining equipment, and minimize delays in rehabilitation work. EPP provided assistance to JTPS in getting tax exemption letters from USAID for clearance of equipment worth \$542,038.

With EPP's support, USAID revised the Activity Agreement and extended the project completion date to December 31, 2014. The total amount disbursed to the GOP as of January 2014 is \$15.96 million.

Rehabilitation of Guddu Thermal Power Station

EPP continued the inspection of equipment delivered by General Electric (GE) to the Guddu Thermal Power Station (GTPS). The inspection was carried out in coordination with representatives from GE and the Central Power Generation Company Limited¹ (CPGCL). EPP witnessed the baseline performance test at three units of GTPS (ST-5, GT-7 and GT-8) prior to start of rehabilitation work to restore 75MW. Rehabilitation is scheduled to commence in the second quarter of FY2014, and is anticipated to take three months.

EPP supported USAID in issuing tax exemption letters for CPGCL for clearance of equipment worth \$4.12 million. In response to CPGCL's extension request, EPP facilitated USAID in the review of the

¹ Established in 1998, CPGCL manages the operations of Guddu Thermal Power Station

Activity Agreement and extend the project completion date to December 31, 2014. The total amount disbursed to the GOP as of January 2014 is \$17.34 million.

Mangla Dam Rehabilitation Project

EPP held meetings with WAPDA and USAID to discuss the payment mechanism for disbursement of funds under the Mangla Dam Rehabilitation Project. EPP assisted USAID in drafting the payment schedule.

USAID is providing \$150 million to GOP for the Mangla Dam Rehabilitation Project, out of which \$72 Million was sub-obligated under an Activity Agreement signed on August 15, 2013. USAID will upgrade units 5 and 6 as the two units are in worst state of degraded condition; USAID will also fund the balance of plant that will improve efficiency and productive life of all 10 units of the Mangla Power Station. USAID is anticipating an addition of 90 MW of power generating capacity through the rehabilitation work.

GENCOS PERFORMANCE EFFICIENCY IMPROVEMENT PROGRAM

Having achieved substantial and highly visible results through the replacement of equipment that resulted in power generation capacity and efficiency improvements, EPP is now focused on improving the commercial operations of the GENCOs. In this regard, EPP is providing support to the GENCOs to conduct NEPRA-compliant Heat Rate tests in order to obtain a revised tariff from NEPRA which will reflect the actual costs incurred by GENCOs in producing electricity and increase annual revenues at the GENCOs by some 9%.

Procurement and Calibration of Flow Meters

During the reporting period, SGS² continued with the calibration of gas flow meters at Guddu TPS. Fifty percent (50%) of the meters at Guddu have been calibrated, while procurement of orifice plates is underway. This procurement is necessary to complete the calibration of the remaining meters.

Heat Rate and Dependable Capacity Testing

In January, EPP engineers visited Muzaffargarh power station to witness the heat rate test. Heat rate test were conducted on all six units of MTPS in the presence of NEPRA, CPPA, PES, EPP and MTPS representatives.

Capacity Building at GENCOs and WAPDA

In January, EPP finalized the training schedule for the GENCOs O&M training series, which will train 60 participants from the three GENCOs over 3 sessions between February and May 2014. The training sessions will focus on best practices in operations and maintenance to improve the thermal power plants. Ultimately, the best practices trained will result in improve financial operations at the three GENCOs and management procedures.

² EPP has contracted the services of SGS for calibration of flow meters at the three GENCOs located at Jamshoro, Muzaffargarh and Guddu

COMPONENT 2: POLICY AND REFORM

SUPPORT TO THE MINISTRY OF WATER AND POWER

During this reporting period, EPP continued to lend targeted and impact-oriented support to the Ministry of Water and Power (MWP) in implementing the GOP's Power Sector Reform Program in generation, transmission, fuels, policy and finance.

Power Purchase Agreements (PPAs)

In consultation with MWP, EPP continued the review of JTPS and MTPS Power Purchase Agreements (PPAs). The Ministry of Water and Power had requested USAID's support in the review of agreements between the GENCOs and NTDC to ensure better management of operations at the GENCOs

SUPPORT TO MINISTRY OF FINANCE

- **Financial Position of DISCOs:** EPP seconded staff reviewed the payables / receivables position of distribution companies for the first two quarters of the current financial year i.e. up to 31st December, 2013.
- **Fee Structure of NEPRA:** Supported the MOF review the proposal submitted by the Cabinet Division for 40% increase in the fee structure of the National Electric Power Regulatory Authority (NEPRA).
- **Standard Bankable Energy Purchase Agreement and Implementation Agreement:** EPP expert reviewed the Standard Bankable Energy Purchase Agreement (EPA) and Implementation Agreement (IA) prepared by Alternative Energy Development Board regarding fast track power generation.
- **Subsidy to Electricity Consumers:** EPP facilitated MOF review and draft comments on a summary submitted by MWP on charging sales tax on subsidy granted by the GOP to electricity consumers.
- **Circular Debt:** EPP along with MOF held meetings with Asian Development Bank and briefed the participants about the overall performance of the power sector and discussed issues related to circular debt settlement to ADB.
- **Draft National Power and Subsidy Policy Guidelines:** EPP seconded staff supported Ministry of Finance review the Draft National Power and Subsidy Policy Guidelines, 2014. The Guidelines will serve as a handy tool for policy-makers, planners, companies, regulators, and customers in chalking out the roadmap to achieve sustainability in the power sector

SUPPORT TO MINISTRY OF PETROLEUM & NATURAL RESOURCES

LNG Imports

EPP facilitated the final negotiations between the stakeholders³ for the LNG Service Agreement (LSA) for a Fast track LNG terminal to deliver LNG by November 2014. The LSA was also approved by SSGCL Board. In meetings were held with the LNG stakeholders at Karachi and Islamabad the future course of action was agreed upon, and the site confirmed at PQA for the construction of LNG terminal.

³ ISGS, SSGCL and the selected bidder (ETPL)

During the reporting period, EPP regularly coordinated with the consultants on program progress, and monitored the achievement of deliverables.

Shale Gas

Work under Milestone-I of the program is under progress.

EPP held a meeting with DGPC and LMKR regarding the technology exchange visit of MPNR staff to the NuTech facility in the US, On the Job Training for the Shale Gas Program and stronger coordination between DGPC and LMKR to ensure a smooth and successful implementation of the program.

Upstream Oil and Gas support

The procurement request package for upstream oil and gas support was approved by USAID. Following USAID's approval and formal concurrence of the program by DGPC, EPP subcontracted with Petroleum Technology Solutions (PTS) to provide consultancy support in the upstream sector. Series of meetings were held with DGPC and PTS regarding program design. A work plan is being developed by PTS.

During the month, EPP also met with the newly appointed Advisor Petroleum, MPNR and briefed him about EPP's petroleum sector programs, in particular the E&P program for upstream oil & gas. The Advisor confirmed MPNR's continued commitment to the programs.

SUPPORT TO MINISTRY OF PLANNING AND DEVELOPMENT

EPP staff seconded to the Ministry of Planning and Development provided support in drafting minutes of the CDWP meetings on the construction of Dasu Hydro Power Project and the preparation of detailed engineering design, tender documents and PC-I of Tarbela Dam 5th Extension.

EPP staff backed up data from the Member Energy's official computer, and shared it with the Chief of Party and Deputy Chief of Party as directed by the Member Energy. EPP also provided routine system and network trouble shooting, and provided general technical assistance to the office of Member Energy and the Minister of Planning and Development so that they could carry out routine assignments smoothly.

COMPONENT 3: NEW PROJECTS, PLANNING AND DEVELOPMENT

EPP continued to advise and assist USAID in evaluating the request from WAPDA to support four run-of-river hydropower projects: Duber; Allai; Khan Khawar; and Jinnah. The projects, if selected for G2G support, will add 419 MW of affordable and clean hydroelectric power to the national grid. EPP received revised cost estimates from WAPDA for the projects, and shared this data with USAID for review.

In addition, EPP investigated and provided details of all hydropower projects under consideration, design, development and construction by Provincial Agencies in KPK, Punjab, Baluchistan, Sindh, GB and AJK to USAID

COMPONENT 4: NEW ACTIVITIES

TRANSMISSION

PESCO

EPP continued to focus on strengthening the power transmission network and on capacity building for power sector entities involved in transmission, with particular emphasis on the Peshawar Electric Supply Company (PESCO). To date, 132.9MW of generation capacity has been restored in PESCO's network as a result of EPP's assistance.

Technical Audits

EPP engineers conducted technical audits of three grid stations. To date, 80 of 86 (approximately 93%) PESCO grid stations have been audited. The technical audits highlight problems and bottlenecks, and prioritize proposed corrective measures.

In December 2013, EPP held a coordination meeting with the Chief Executive Officer of PESCO, and apprised him of EPP's work progress and results achieved. The CEO expressed his appreciation of EPP's initiatives, and regarded the technical audits and Reactive Power Compensation Study as projects that can provide the most visible and impactful opportunities for system improvement at PESCO

Power Transformer Program

In January, 131 cooling fans and 69 MCBs were installed, adding 75.6 MVA (equivalent to 75.6MW) of capacity. A total of 18 out of 49 grid station (36.7%) have been installed with cooling fans, adding 84.9MVA (84.9MW) of capacity. The fans, once installed, will enhance the capacity of PESCO transformers by 183 MW, and will ensure the reliable supply of electricity to over 2 million residents of Khyber Pakhtunkhwa (KPK).

Transmission Line

EPP continued work on developing a Scope of Work (SOW) for the repair of the damaged towers, and work is expected to commence in the Second Quarter of FY2014.

NTDC/NPCC

Transmission Line

EPP completed technical audits of 7 of 41 NTDC grid stations (approximately 17% complete). The technical audits highlight problems and bottlenecks, and prioritize proposed corrective measures.

Enterprise Resource Planning (ERP)

EPP developed the draft Request for Proposal for ERP and shared with MD NTDC, and Audit & Finance Committee for their review and feedback.

Renewable Energy

Step I Due diligence on the evacuation of power from wind power plants at Jhampir and Gharo was completed after site verification.

EPP draft the SOW for procurement of Renewable energy forecasting system for NTDC. The processes and software purchased will help NTDC with the integration of renewable resources into their grid.

Real Time Digital Simulator

EPP acquired the requirement of NTDC's Power Planning Department for a Real-Time Digital Simulator (RTDS) and developed a Scope of Work for the procurement of the RTDS. The RTDS is a training tool for simulating the transmission grid under various alternatives of generation station and transmission lines being out of service and the resulting operational issues to overcome.

Smart Metering System

EPP's Transmission Team in consultation with NTDC developed the SOW for procurement of IT for the extension of Secured Metering System (SMS) data to DISCOs. Once installed, the SMS system will provide real time system loading data to the NTDC, MWP, and NEPRA.

NTDC Design Department

Through a needs assessment of NTDC Design Department, EPP identified the software and hardware required by the design engineers to improve their design capabilities and efficiency.

CAPACITY BUILDING & PARTICIPANT TRAINING

This is a cross cutting activity providing support to all components of EPP through strengthening the capacity building of the GOP partners.

During January 2014, the EPP confirmed training dates, refined best practices for capacity building, and developed a strategy for long term training opportunities for USAID in the energy sector.

EPP's Capacity Building Advisor met with the USAID Program Advisor for Capacity Building, Amy Hagan, at the beginning of the month to refine December's draft "EPP Capacity Building and Participant Training Plan" and make sure all planned trainings are aligned with the Mission's capacity building goals. Following the meeting, EPP developed a list of trainings in the "FY2014 training Plan" requested by USAID for planned capacity building activities with tentative dates and budgets.

EPP's COP and Capacity Building Advisor met with USAID and the COP and staff of the Training for Pakistan program to discuss mutual support for capacity building in the energy sector. EPP and Training for Pakistan agreed that a training needs assessment for select energy sector entities is required before further capacity building activities outside of EPP take place. EPP agreed to prepare a Scope of Work for Training for Pakistan to carry out training needs assessments with EPP support for select organizations.

In January, the EPP finalized the training dates for the upcoming GENCO O&M training series, which will train select participants from the three GENCOs over 3 sessions between March and May 2014. The training sessions will focus on best practices in operations and maintenance to improve the thermal power plants. Ultimately, the best practices trained will result in improve financial operations at the three GENCOs and management procedures.

EPP received 2 of 5 nominations for MPNR staff to visit the Houston, Texas NuTech facility for the technology exchange visit for shale gas. The date of the shale gas technology exchange visit is anticipated to take place after core sampling has been performed.

The EPP internship Program polled all 127 interns and received updates from 33 which received jobs at NGOs, private and public sector entities

EPP conducted post training interviews of the four MWP staff that had received Power SIM training in December 2013. The participants found the training as an orientation session of the model rather than a comprehensive training and will require additional training. The Capacity Building Advisor will be working with the Power SIM team to reconfigure the training delivery before proceeding with future Power SIM trainings at other offices and re-training the MWP section officers.

ADMINISTRATION/MANAGEMENT SUPPORT TO EPP

ACCOUNTING/FINANCE

Payment Vouchers were thoroughly reviewed to ascertain that adequate documentation has been gathered, and that the working papers have been documented and provide an adequate basis for reporting. A review of the Monthly Financial Report for January 2014 was conducted, and projected vs. actual expenditures for the month were analyzed to ensure accuracy.

LOGISTICS

Logistical support was provided for 72 trips made by EPP staff. International travel for expats was arranged, and regular follow up was maintained with the Ministry of Foreign Affairs for obtaining longer-term visas for EPP expats.

HUMAN RESOURCES

In January, the following staff was recruited

Table 3: EPP Staff Recruited

Staff	Designation	DOJ
Khan Muhammad	Transmission Engineer	2-Jan-2014
Muhammad Zubair Malik	Junior Engineer	15-Jan-2014
Hafiz Sultan Mobeen	Junior Engineer	15-Jan-2014
Amjad Ali	Project Technical Assistant	15-Jan-2014
Kanwal Sehar Majid	Administrative Assistant	21-Jan-2014

IT

Table 4: IT Related Installation, Troubleshooting and Maintenance

Installation	Troubleshooting	Maintenance
<ul style="list-style-type: none"> Time and Attendance machine installation and configuration at Lahore office Installation, Configuration and e-mail setup on 6 Laptops and 1 Desktop PC 	<ul style="list-style-type: none"> EPP staff performed trouble shooting for IT equipment in the EPP office and guesthouse and for operations at the ministries Time and attendance machine troubleshooting and centralized network management for EPP offices Image Fuser Kit changing at AEAI-ISB, Engineer's room printer IT support to Program staff working at Ministries and NPCC 	<ul style="list-style-type: none"> QuickBooks System support for Islamabad and Peshawar office Tracking of 17 official eVo Internet devices monthly recharges QuickBooks support for Islamabad and Peshawar office Tracking of 14 official eVo Internet devices monthly recharges CCTV System Management for EPP offices Monthly attendant backup activity of official emails EP-EP.COM.PK E-mail Server and BlackBerry services administration and support Monthly payroll and official documents scanning Assisting Admin & Finance to keep well-run database record on Travel Authorization & Leave Application Forms

PROCUREMENT

EPP issued purchase orders/subcontracts amounting to \$2,976,757 during January 2014.

Table 5: Purchase Orders/Subcontracts Issued

Item	Amount (\$)
Installation of Cooling Fans & MCBs in PESCO-Power Shine Technologies	51,820
Consultancy Services for Upstream Oil & Gas Sector (E&P) Sub Contract & delivery order signed-Petroleum Technology Solutions	2,508,468
Testing Equipment for P&I Vans PESCO-Ikram Corporation	416,469
Total	2,976,757

EPP completed purchase orders (inspections and deliveries) amounting of \$20,842 during the month.

Table 6: Completed Purchase Orders

Item	Amount (\$)
Supply of 15,000 Ltrs. Power Transformer Oil - M/s Orient Oils Private Limited RFO Flow Meters for GENCO's	19,842
Orifice Plates - M. Ramzan Engineering Works	1,000
Total	20,842

LIST OF KEY MEETINGS

Table 7: Key Meetings

Meeting	Date	Location	Purpose	Outcome/Result
NPGCL CEO & FARA Project Manager	Jan. 2	Muzaffargarh TPS	Discuss the implementation of heat rate test	Heat rate test on all the six units completed in January
CPGCL Chief Engineer	Jan. 6, 7	Guddu TPS	Discuss the issues pertaining to amendment in service order and remaining equipment's	Amendment to the service order issued
USAID(OFM) & WAPDA	Jan. 13	EPP Office	Discuss the Mangla Rehab Project payment mechanism	WAPDA started the working on payment schedule to USAID
Member Power, GM Hydel	Jan. 22-24	WAPDA House, Lahore	Discuss Mangla Rehab Project Payment Schedule, Opening of WAPDA Account for Project	Payment Schedule received from WAPDA and submitted to USAID
CEO and FD of JPCL	Jan. 28, 29	Jamshoro TPS	Facilitate in preparation of tariff petition for filing to NEPRA	Draft prepared. JPCL to file tariff petition to NEPRA
Additional Finance Secretary (C.F) Mr.Martin P. Endelman, Principal Financial Sector Specialist and Mr. Shauzab Ali, Senior Project Officer (Financial Sector)	Jan. 20	MOF	Overall performance of the power sector.	Assisted the ADB team to prepare their report for submission to the bank management.
Meeting with ADB team headed by Miss.F.Cleo Kawawaki with Sr. Joint Secretary (Corporate Finance).	Jan. 27	MOF	Brief the ADB team about the transaction of settlement of power circular debt undertaken by Ministry of Finance in June-July, 2013	Assisted the ADB team to prepare their report for submission to the bank management.
NTDC Design Department	Jan. 22	WAPDA House, Lahore	Conduct needs assessment of NTDC Design department for requested IT tools for its capacity building	<ol style="list-style-type: none"> 1. A complete list of materials needed was finalized and it was concluded that the NTDC Design department is in dire need of this up-gradation. 2. A scope of work document was prepared
USAID Program Advisor-Capacity Building	Jan. 7	EPP Offices	Discuss EPP Training and Capacity Building Strategy	Revised strategy to incorporate energy sector opportunities outside of EPP

Meeting	Date	Location	Purpose	Outcome/Result
Directorate General – Petroleum Concessions	Jan. 8	MPNR	Finalize nominations for technology exchange visit to Houston, TX regarding shale gas developments	Nominations were released by MPNR on January 27 th and EPP will review the nominees and develop logistics for exchange visit planned for end of FY2014.
USAID and Training for Pakistan	Jan. 22	USAID Islamabad	Discuss energy sector capacity building opportunities for Training for Pakistan outside of EPP	EPP will conduct a training needs assessment of MPNR and NTDC and identify opportunities for Training for Pakistan. Additionally, EPP will develop a Scope of Work for other energy sector entities for Training for Pakistan to carry out.
MWP Section Officers –Power SIM trainees	Jan 23	MWP	Follow-Up Evaluation of Power SIM training with section officers	MWP has not used the Power SIM since phase I of the training. EPP will conduct a review of the Power SIM training and get a buy-in from the Joint Secretary before moving forward with future training.
Dinsons-Subcontractor	Jan. 30	EPP Islamabad	Discuss training logistics for Thermal Series	Finalized dates for upcoming O&M Thermal Series. To start in March 2014.

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