INSTALLATION, TESTING & COMMISSIONING OF 100 MW HYDROPOWER GENERATOR AT MANGLE POWER HOUSE

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SEMESTER: Fall 2018, MSPM -III **PROGRAM: MS (PROJECT MANAGEMENT)**



BAHRIA UNIVERSITY LAHORE CAMPUS

SUBMITTED TO: **MR. SHEHZAD AHMAD**

SUBMITION DATE: JAN 25, 2019

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DIRECTORATE GENERAL MONITORING & EVALUATION
PLANNING & DEVELOPMENT DEPARTMENT
GOVERNMENT OF THE PUNJAB

No. DGM&E/PM/096
Dated: January 20th, 2019

AUTHORIZATION CERTIFICATE

This witness statement is issued to the applicant for the fulfilment of his MS (Project Management) program requirements being carried out at Bahria University Lahore Campus (BULC).

It is witnessed that **Mr. Hamza Hanif & Asif Javed Chughtai** Enrollment: **03-298171-016 & 03-298171-002** Class: **MSPM-III** Semester: **Fall 2018** have contacted / visited / frequently utilized our premises / participated in our real-time projects for implementing project management skills using Primavera P6 as a leading software tool.

He, in case of participation in organization's project, has contributed fully / partially in the following project(s) and within the highlighted fields (planning, scheduling):

1. Installation, Testing & Commissioning of 100 Mw Hydropower Generator at Mangle Power House

He has been found skillful in applying EPM Primavera in the fields (planning, scheduling).

Additionally, it is noteworthy to mention that **Mr. Hamza Hanif & Asif Javed Chughtai** demonstrated good ethical practices, enthusiastic approach to work, task convergence capabilities, professionalism while his stay / connection with this organization.

24-1-19

Engr. Muhammad Salman
(Project Manager)

Engr. Muhammad Salman
Project Manager
Director General Monitoring & Evaluation
Planning & Development Department
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PREFACE

For the requirement of course Primavera (MSP-631) of Master's in Project Management degree program in Bahria University, Lahore Campus, we have prepared this report after through learning of Primavera and its use in the industry. This report consists of three parts, Introduction of WAPDA-Pakistan Water & Power Development Authority, Introduction of Primavera P6 and Planning, Scheduling of project "Installation, Testing & Commissioning Of 100 Mw Hydropower Generator at Mangle Power House".

The Project "Installation, Testing & Commissioning Of 100 Mw Hydropower Generator at Mangle Power House" is part of program initiated by Federal Government of Pakistan to increase the capacity of major reservoirs and hydropower stations. WAPDA being the responsible authority will execute and monitor its implementation.

Mangla Dam is one of the largest dams in the world with PowerStation of installed capacity 1,000 MW. Govt. of Pakistan initiated a project to raise the dam to increase the storage capacity and it was expected that due to this project the capacity of Mangle Powerhouse will also increase but it did not happen. Now to overcome the load shedding & over burden on national grid it is planned to increase the installed capacity of Mangla Powerhouse. We have used Primavera P6 V18.1 for planning & scheduling of this project.

ACKNOWLEDGEMENT

Firstly, all praise is for Allah (Subhan-a-Watallah) who gave me strength and knowledge. We would like to attribute our success to our degree fellow **Engr. Muhammad Salman Project Manager, DG M&E** who supported us and provided valuable information to achieve this milestone. This project might not have been so comprehensive without the valuable guidance of our respected mentor **Mr. Shehzad Ahmad**, Bahria University Lahore Campus. It would not have been possible without the kind support of Bahria University management and my class fellows.

I, **Hamza Hanif (03-298172-016),** the ***Team leader (TL)*** of the group "Intellectuals", affirms that the originality and genuineness of our project report on planning and scheduling of "Installation, Testing & Commissioning Of 100 Mw Hydropower Generator at Mangle Power House". I **Hamza Hanif**, reviewed it and affirm authenticity of the work submitted.

Sign: Hamza

Date: 01 – 25 – 2019

I, **Asif Javed Chughtai (03-298172-002)**, the ***member*** of the project team of group "Intellectuals", affirms that the originality and genuineness of my work. I worked on planning & scheduling of "Installation, Testing & Commissioning Of 100 Mw Hydropower Generator at Mangle Power House".

Sign: Asif

Date: 26-01-2019.

Table of Contents:

1. WAPDA ____ 1

1.1 Introduction ____ 1

1.2 Major WAPDA Reservoirs ____ 2

1.2.1 Tarbela Dam ____ 2

1.2.2 Warsak Dam ____ 2

1.2.3 Diamer-Bhasha Dam ____ 3

1.2.4 Kalabagh Dam ____ 3

1.2.5 Mangla Dam ____ 4

1.2.5.1 Introduction ____ 4

1.2.5.2 History ____ 4

1.2.5.3 Mangla Dam Reservoir ____ 5

1.2.5.4 Mangla Powerhouse ____ 5

1.2.5.5 Displacement & Resettlement Due to Construction of Dam ____ 6

1.2.5.6 Project Cost ____ 6

1.2.5.7 Operation of Dam ____ 6

1.2.5.8 Mangla Dam Raising Project ____ 7

1.2.5.9 Project of Mangla Powerhouse Expansion ____ 7

2. **Primavera P6** ____ 8

2.1 Introduction ____ 8

2.1.1 Professional Project Management (PPM) ____ 8

2.1.2 Enterprise Project Portfolio Management (EPPM) ____ 8

2.2 Key Features of Primavera P6 ____ 9

2.2.1 Scheduling ____ 9

2.2.2 Risk & Opportunity Management ____ 9

2.2.3 Resource Management ____ 9

2.2.4 Contract Management ____ 9

3. Installation, Testing & Commissioning Of 100 Mw Hydropower Generator at Mangle Power House ____ 10

3.1 Introduction ____ 10

3.2 Project Work Plan ____ 12

3.2.1 Work Break Down Structure ____ 12

3.2.2 Activity Table ____ 13

3.2.3 Gantt Chart ____ 18

3.2.4 Critical Activities ____ 25

3.2.5 Milestones Chart ____ 27

3.2.6 S-Curve Budgeted Cost ____ 28

3.2.6.1 Activity Cost Distribution Monthly ____ 29

3.2.7 Project Resources ____ 31

3.2.7.1 Project Resource Units ____ 32

3.2.7.2 Project Resource Histogram ____ 33