



FEDERAL PROJECT MANAGEMENT UNIT  
FEDERAL WATER MANAGEMENT CELL  
MINISTRY OF NATIONAL  
FOOD SECURITY & RESEARCH  
ISLAMABAD - PAKISTAN

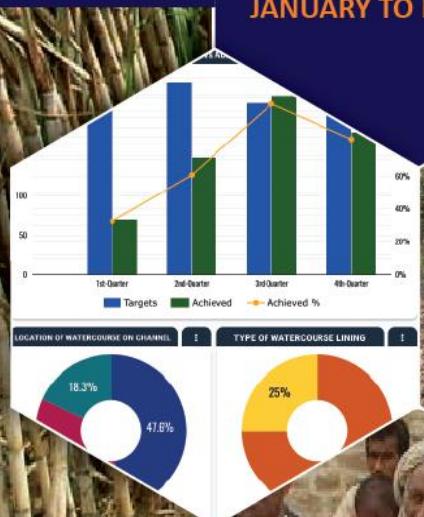
## NATIONAL PROGRAM FOR IMPROVEMENT OF WATERCOURSES IN PAKISTAN PHASE-II: (NPIWC-II)

MONITORING, EVALUATION  
AND IMPACT EVALUATION  
CONSULTANTS



### QUARTERLY MONITORING & EVALUATION REPORT

JANUARY TO MARCH 2023





**Federal Project Management Unit (FPMU)**  
**Ministry of National Food Security & Research, Islamabad**

**Monitoring, Evaluation and Impact Evaluation (ME&IE) Consultants**  
*For*  
**National Program for Improvement of Watercourses in Pakistan Phase-II (NPIWC-II)**

**QUARTERLY MONITORING AND EVALUATION REPORT**  
**January - March 2023**

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## ACRONYMS

ADA	Assistant Director Agriculture
AES	Agriculture Extension Services
AF	Acre-Feet
AJK	Azad Jammu & Kashmir
AWPB	Annual Work Plan and Budget
AWPs	Annual Work Plans
BCR	Benefit Cost Ratio
CFT	Cubic Feet
CMS	Content Management System
CSRD	Center for Social Research and Development
DAES	Director Agriculture Extension Services
DDA	Deputy Director Agriculture
DGA	Director General Agriculture
DTL	Deputy Team Leader
EAs	Executing Agencies
EIRR	Economic Internal Rate of Return
FCR	Financial Completion Report
FCRs	Final Completion Reports
FMFSR	Framework for Federal Financial Management System
FOs	Farmers Organizations
FPMU	Federal Project Management Unit
FWMC	Federal Water Management Cell
GAP	Gender Action Plan
GB	Gilgit Baltistan
G3EC	G3 Engineering Consultants
GIS	Geographic Information System
HEIS	High Efficiency Irrigation System
IAs	Implementing Agencies
ICR	Interim Completion Report
ICT	Islamabad Capital Territory
IRR	Internal Rate of Return
ICT	Information & Communication Technology
JV	Joint Venture
KP	Khyber Pakhtunkhwa
LLL	Laser Land Leveler
LPS	Liter Per Second
M&E	Monitoring and Evaluation
MAF	Million Acre Feet
ME&IE	Monitoring, Evaluation and Impact Evaluation
MIS	Management Information System
MNFSR	Ministry of National Food Security and Research
MMR	Monthly Monitoring Report
MT	Monitoring Template
MTE	Mid-Term Evaluation
NESPAK	National Engineering Services Pakistan
NPC	National Project Coordinator
NPIWC	National Program for Improvement of Watercourses
NPV	Net Present Value
NWMC	National Water Management Consultants
OFWM	On Farm Water Management
PC-1	Planning Commission-(Form-One)
PDO	Project Development Objectives
PIC	Project Implementation Committee
PIES	Project Impact Evaluation Study

PQC	Pre-Qualification Committee
QM&ER	Quarterly Monitoring and Evaluation Report
RBM	Results-Based Management
RFT	Running Feet
RWD	Responsive Web Design
SFT	Square Feet
SOPs	Standardized Operating Procedures
SPSS	Statistical Package for Social Sciences (Software)
SSCs	Supply and Service Companies
TABs	Tablets
TL	Team Leader
TOR	Terms of Reference
TPV	Third Party Validation
TWRD	Tail-Water Recovery Ditch
WG	Women Group
WST	Water Storage Tank
WUAs	Water Users Associations

## EXECUTIVE SUMMARY

The report in hand, "Quarterly Monitoring and Evaluation Report for the period of 1<sup>st</sup> January 2023 to 31<sup>st</sup> March 2023 is comprising of five chapters.

**Chapter-1** describes the detailed introduction and description of the project. The Government of Pakistan is implementing the project "National Program for Improvement of Watercourses in Pakistan Phase-II" (NPIWC-II) at a total cost of PKR 154,542.355 million (Umbrella PC-I including Sindh) over a period of 05 years. This project will cover Punjab, Khyber Pakhtunkhwa (KP), Balochistan, Gilgit Baltistan (GB), Azad Jammu & Kashmir (AJ&K) as well as Islamabad Capital Territory (ICT). The proposed project Phase-II is beneficial for the country.

The NPIWC-II comprises four components to be implemented in Punjab, KP, Balochistan, GB, AJK, and ICT:

- i. C1: Organization of Water Users Associations
- ii. C2: Watercourse Improvements: 47,278 Nos.
- iii. C3: Construction of Water Storage Tanks: 14,932 Nos.
- iv. C4: Provision of Laser Land Leveling Units: 11,610 Nos.

**Chapter-2** elaborates the objectives and Scope of Work of the ME&IE Consultants for the project. Since the ME&IE Consultants are going to monitor implementation of all criteria set, procedures defined and timeline agreed for implementation of various components, all these are reproduced in this report as ready reference to devise / design M&E strategy, methodology, procedures for monitoring and impact assessments of the project interventions.

The monitoring strategy planned to be followed by ME&IE Consultants is briefly described in the Table-2.1. The strategy aims to be finalized and implemented in close coordination with the client and active participation of the beneficiaries as well as the project stakeholders.

**Chapter -3** of this report covers the detail of ME&IE Consultants' activities initiating during the reporting period (1<sup>st</sup> January 2023 to 31<sup>st</sup> March 2023) as listed below:

- Pre- Field Activities
- Field Activities
- ICT Assignment
- Coordination
- Deliverables

Chapter 3 also summarizes the compliance status of tentative Quarterly Work Plan.

- **Chapter-4** of this report describes the activities completed during the reporting period as summarized below:
  - Regular Monitoring of Interventions in The Field
  - Baseline & Impact Suvey field visits of project interventions
  - Data Collection of Interventions in MIS/GIS Database
  - Online Data Entry in Android Based Application.
  - Data entry, Data cleaning, Data processing & data Analysis
  - Updataion of data on Dashboard.
  - Implementation of Mis Dashboard
  - Monitoring Android based Mobile Application under implementation by field staff.
  - Capacity Building Trainings of OFWM nominated staff.
  - Monitoring / Data Collection on Social and Gender Component
  - Baseline-II WST Report (Draft).
  - Mid-Line Monitoring & Impact Evaluation Report (Draft)
  - Coordination Meetings of ME&IE Consultants with Client and Stakeholders
  - Internal Meetings of ME&IE Consultants

**Chapter-5:** highlights the problems faced by the consultants during the ME&IE activities. Due to non-availability of data from NWMC (NESPAK) & respective Directorates, and resources from Client, ME&IE Consultants have been facing constraints for timely completion of activates of the assignment.

Table ES. 1: Compliance Status of Quarterly Tentative Work Plan, 01<sup>st</sup> January 2023 to 31<sup>st</sup> March 2023

No.	Activities Planned for the Reporting Quarter		Status
<b>1</b>	<b>Pre-Field Activities</b>		
1.1	Preparation for 3 <sup>rd</sup> -Phase Baseline Survey (Finalization of MTs)		Under process
1.2	Internal Meetings of ME&IE Consultants' Zonal Offices for development of Methodology for 3rd Phase Baseline Survey		Complied
1.3	Training of Field Staff for 3rd-Phase Baseline Survey		Complied
<b>2</b>	<b>Field Activities:</b>		
2.1	Regular Monitoring of Interventions in the Field		Complied
2.2	Data collection of the interventions in the field		Complied
2.3	Baseline & Impact Survey field visits of project interventions		Complied
2.4	Online data entry in android-based application		Complied
<b>3</b>	<b>ICT Assignment:</b>		
3.1	Development / Improvement of website of NPIWC-II		Complied
3.2	Monitoring online data collection and Data entry		Complied
3.3	Monitoring Android based Mobile Application under implementation by field staff.		Complied
3.4	Data collection of interventions in MIS/GIS database		Complied
3.5	Capacity Building Trainings / Refresher of Departments		Complied
3.6	Data Cleaning, Development & Launching of Dashboard for Client Offices		Complied
<b>4</b>	<b>Coordination</b>		
4.1	Meetings of TL, ME&IE Consultants with NPC regarding Project Progress / Issues		Meetings conducted on regular basis
4.2	Meeting of DTLs with respective DTL of NWMC		Meetings conducted on regular basis
4.3	Internal Meetings of ME&IE Consultants		Weekly meetings conducted on regular basis
<b>5</b>	<b>Deliverables:</b>		
5.1	Monthly Monitoring Reports (MMRs)	24 <sup>th</sup> MMR (Dec. 2022)	Submitted
		25 <sup>th</sup> MMR (Jan. 2023)	Submitted
		26 <sup>th</sup> MMR (Feb. 2023)	submitted
		27 <sup>th</sup> MMR (March 2023)	Under process
5.2	Quarterly Monitoring & Evaluation Report (QM&ER)	QM&ER Jan-March 2023	To be submitted in stipulated time
		QM&ER Jan-Mar 2023	To be submitted in stipulated time
5.3	Mid-Line Monitoring & Impact Evaluation Report		Submitted
5.4	Baseline Survey-II WST Report		Submitted
5.5	Consolidation of Baseline Survey Phase-I&II Reports		Under process

## CHAPTER-1: INTRODUCTION

### 1.1 PROJECT PROFILE

Project Name	National Program for Improvement of Watercourses in Pakistan Phase-II ( <b>NPIWC-II</b> )
Project Areas	Punjab, KP, Balochistan, Gilgit Baltistan, Azad Jammu & Kashmir, and Islamabad Capital Territory (ICT)
Sponsoring Agency	Ministry of National Food Security & Research
Executing Agencies (EAs)	<p>Following are different EAs:</p> <ul style="list-style-type: none"> <li>i. Federal Project Management Unit (FPMU),</li> <li>ii. DGA OFWM Punjab</li> <li>iii. DGA OFWM KP</li> <li>iv. DGA OFWM Balochistan</li> <li>v. Director Irrigation and Small Dams, AJK</li> <li>vi. Director WM, GB</li> <li>vii. Director Agriculture Extension Services (AES) ICT</li> </ul>
Project Period	5 Year (2019-2024)
Total Project Cost	154,542.355 million (Umbrella PC-1, including Sindh)
ME&IE Consultancy Period	4 year
ME&IE Consultant:	JV of G3 Engineering Consultants (Pvt.) Ltd., EASE PAK Engineering Services (Pvt.) Ltd., Centre for Social Research and Development (CSRD) and ADA Consultants Inc. Canada
ME&IE Consultant Mobilized	November 07, 2020

### 1.2 PROJECT DESCRIPTION

#### 1.2.1 PROJECT DEVELOPMENT OBJECTIVES

The Project Development Objectives (PDO) is to improve irrigation water management at tertiary and field levels in Pakistan.

#### 1.2.2 PROJECT OBJECTIVES – GENERAL & QUANTITATIVE

##### 1) General Objectives:

The Project aims to replicate the success achieved during the NPIWC Phase-I and further improve the findings of the Project Impact Evaluation Study (PIES). The broad objectives of the project are as under:

- i. Social mobilization through capacity building of WUAs/ FOs,
- ii. Minimization of conveyance and field application losses,
- iii. Reduction in Water Logging and salinity,
- iv. Equity in water distribution,
- v. Reduction in water disputes/thefts/litigation,
- vi. Motivation/participation of farmers,
- vii. Poverty reduction through employment generation,
- viii. Increase in crops yield/sufficiency in food.

##### 2) Quantitative Objectives:

The quantitative objectives of the Project are as under:

The DTL, Balochistan shared updated progress of Balochistan zone and discussed other issues. The Focal Person and FTI, Naseerabad Zone also attended the meeting.

##### Project outputs

- i. Mobilization through capacity building of Water Users Associations/Farmers Organizations in improved water management techniques and their registration under On-Farm Water Management and Water User Associations Ordinance [Act] 1981 and organization of 47,278 WUAs.
- ii. Reconstruction/renovation and remodeling of 47,278 watercourses, involving complete earthen renovation, partial lining of critical reaches (50% of the total watercourse length as decided in the high-level meeting), and installation of water control structures. It is expected to save around 5.82 MAF per annum (approx. saving of 123 acre-feet (AF) per watercourse per annum).
- iii. Construction of 14,932 water storage tanks with 60% subsidy.
- iv. Provision of 11,610 Laser Land Levelers at 50% cost sharing, with the expectation to save about 50% irrigation water for wheat and about 68% of irrigation water for paddy.

##### Project Impacts

- i. Reduction in Water Logging and salinity in project areas to the extent of 10%.

- ii. Cropping intensity is expected to increase by 5-20%.
- iii. Crop's yield is estimated to increase by 10-15%.
- iv. Equity in water distribution increased by about 30%.
- v. Reduction in water disputes/thefts and litigation amongst the Farmers over water distribution by about 80%.
- vi. Help poverty reduction through generation of employment.
- vii. Self-sufficiency in food through utilization of water saved for edible oil seed production.

#### Project indirect benefits to industry/economic activities

- i. Cement industry, bricks Killen, Precast Structures Industry and other related industries' production will pick up.

#### Awareness support to farmers

- i. Motivating farmers through an awareness campaign for watercourse improvement.
- ii. Providing technical material to farmers for optimal utilization of water resources in the shape of technical manual and operational guidelines.

### **1.3 PROJECT BENEFICIARIES**

Majority of the direct project beneficiaries constitute the number of farmers (owners as well as tenants) growing crops and orchards on the watercourses improved under NPIWC-II. Assuming 35 farmers on each watercourse, the total number of the farmers benefiting from the activity comes to 1.655 million. The same number will benefit due to Water Users' Associations (WUAs) in terms of cooperative management of irrigation water. Moreover, 14,932 will directly benefit from Water Storage Tanks and 11,620 as recipients of Laser Land Leveling Units. Thus, total gross direct beneficiaries are expected to be around 3.336 million households. However, net beneficiaries are expected to be 1.668 million.

Taking family size at five, total net population benefitting is expected to be 8.34 million people.

### **1.4 PROJECT COMPONENTS**

The NPIWC-II comprises four components.

#### **C1: ORGANIZATION OF WATER USERS ASSOCIATIONS:**

Establishment/ reactivation of Water Users Associations (WUAs) through community driven implementation approach.

- i. Provide right of way for constructing watercourse,
- ii. Arrange skilled and unskilled labour required for reconstruction / maintenance of earthen water channel, installation of water control structures, and lining of critical reaches,
- iii. Procure construction materials for carrying out civil works.
- iv. Settle matters of disputes amongst the water users in respect of channel alignment, fixation of Naccas, distribution of work, etc.
- v. Make alternate arrangements for conveyance of water during execution of improvement works.
- vi. Carryout civil works in accordance with standards and specifications under the supervision of OFWM field staff,
- vii. Regularly undertake O&M of improved watercourses after its construction.

#### **C2: WATERCOURSE IMPROVEMENTS:**

47,278 Watercourses are planned to be improved /reconstructed and lined.

- i. New watercourses that are not yet improved under earlier programs / projects,
- ii. Reconstruction of more than 20 years old watercourses that outlived their economic / useful life,
- iii. Additional lining up to 50% of already improved watercourses.

#### **C3: CONSTRUCTION OF WATER STORAGE TANKS:**

Construction of 14,932 Water Storage Tanks (WSTs).

- i. Store water during the rainy season and times of no use in the commands of perennial / non-perennial canals for subsequent irrigations at the critical crop growth stages,
- ii. Provide flexibility for storage of plentiful canal and rainfall runoff water for its more expedient use subsequently,
- iii. Collect, store and filter water from:
- iv. Small Dams, springs, Streams, Nallas etc.
- v. Rainfall runoff over agricultural catchment during rainy season
- vi. Tube Wells and dug wells of low flows
- vii. Tail-waters from agricultural fields.
- viii. Regulate the flows so that it can be used efficiently when needed in large flow rates.

#### **C4: PROVISION OF LASER LAND LEVELING UNITS:**

Provision of 11,610 Laser Land Leveling units to the farmers. The component will strengthen LASER land leveling services in the country through provision of Laser Land Leveling Units to the farmers/ service providers on 50% subsidized rates.

#### 1.4.1 PROJECT TARGETS

Project aims at achieving the targets (Figure-1.1) for 5 years starting from year 2019-20 to 2023-24. The

targets for each province/Zone (excluding Sindh) are given in below Figure-1.2.

Project Targets:

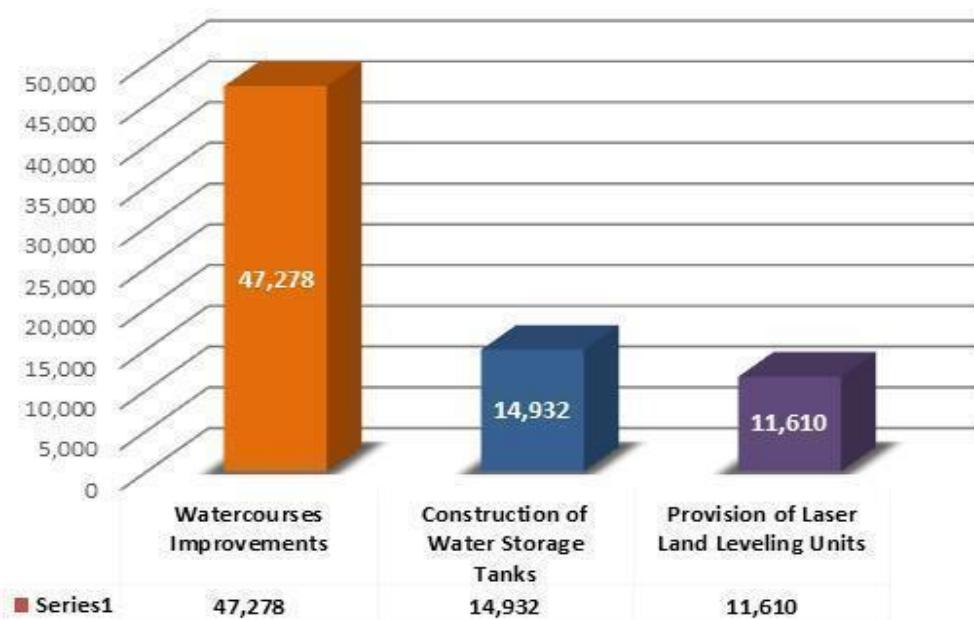


Figure-1.1: Pakistan Targets

Zonal Targets:

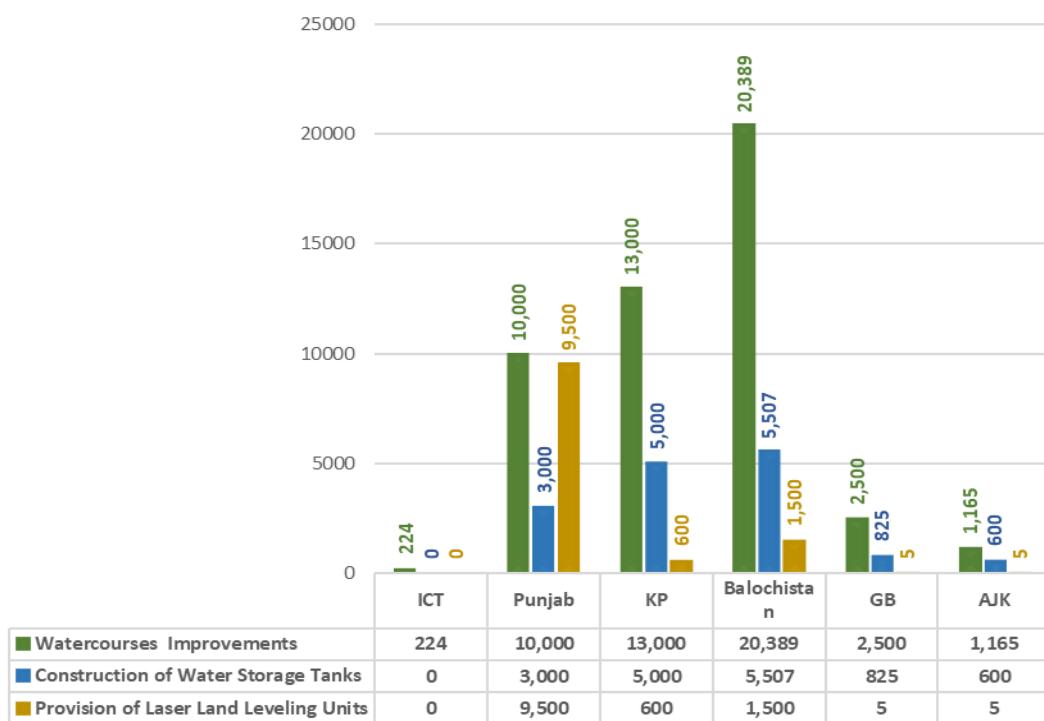


Figure-1.2: Zonal Targets

## CHAPTER 2: SCOPE AND SERVICES OF ME&IE CONSULTANTS

The ME&IE Consultants services are planned to be provided through a multi-disciplinary team of qualified professionals. All firms in the joint venture have rich experience in the field of monitoring and evaluations. The team deputed for this task in the project comprises highly qualified professionals having long practical experience of such projects earlier launched in Pakistan. The consultant will develop a State-of-the-Art Management Information System (MIS) with GIS focuses for NPIWC-II to monitor progress on project interventions and to carry out effective monitoring process. The MIS will help decision makers to make informed the decisions.

### 2.1 OBJECTIVES

The objective of ME&IE Consultant's services is to carry out monitoring and evaluation of project impacts to ensure achievement of project development objectives.

### 2.2 SCOPE OF THE SERVICES

The ME&IE Consultants will be responsible for monitoring, evaluation and impact evaluation, and in this context will carry out the following activities:

- i) Undertake baseline, midline and end line surveys for the project activities / interventions in all the project areas,
- ii) Develop monitoring strategy, framework and Result-Based Monitoring (RBM) indicators,
- iii) Preparation of monthly, quarterly and annual monitoring, evaluation and validation reports of the project activities,
- iv) Assessing the water saving per annum on watercourses, water storage tanks and field levels as well as aggregate due to the project interventions,
- v) Assessing the improvement in water availability due to the provision of conveyance system,
- vi) Assessing the economic benefits to the agriculture in terms of changes in yields, irrigated area, cropping pattern, cropping intensity, farm income and employment in command area of watercourses and water storage tanks,
- vii) Assessing the extent of community mobilization, financial and administrative sustainability of water users' associations and ensuring the maintenance of watercourses, water storage tanks and laser land Levelers,
- viii) Economic impact of project interventions,

- ix) Carry out the impact evaluation of the project intervention on the economy and stakeholders,
- x) Develop a website containing information on facilities and services, applications, procedures, watercourses, water storage tanks and laser Levelers database, etc. (while the project staff will maintain the website),
- xi) Provide technical support for the development of a custom-designed mobile application (Android Based) to capture on-site project progress and geo-tagged photos. It should be synchronized with the central MIS/GIS database and application for instant reporting and feedback to the management. The said requirement is based on the following functional features:
  - *Development of a GIS database with all spatial layers related to activities being undertaken under the project*
  - *Give technical assistance for up-dation/up-gradation of water management GIS database.*
  - *Development of web-based GIS application as a dashboard interface for comprehensive representation of all spatial and tabular information: custom designed web GIS application be developed for large LED screens, should be self-operative and represent project data on multiple layouts of application interface.*
  - *Development of a MIS application as an integral part of web GIS to maintain information on facilities and services, applications, procedures, watercourses database, etc.*
  - *Development of a custom designed mobile application (Android) to capture on-site project progress, geo-tagged photos; should be synchronized with the central MIS/GIS database and application for instant reporting and feedback to the management.*
  - *Application should generate custom designed reports and analysis as per user-defined requirements.*
  - *Application should generate alerts (SMS, email, web-notifications) to the user on the non-conformance of project's key indicators; the application should have the provision to custom define alerts levels and desired notifications.*

### 2.3 MONITORING STRATEGY

The monitoring strategy planned to be followed by ME&IE Consultants is briefly described in the following Table-2.1. However, detailed methodology

and procedures to carry out the Monitoring, Evaluations and Impact Evaluations of the project interventions were explained in Chapter 6 of Inception Report. The strategy aims to be finalized

and implemented in close coordination with the client and active participation of the beneficiaries as well as the project stakeholders.

Table 2.1: Monitoring Strategy for ME&IE Activities

Sr. No.	Monitoring Activity	ME&IE Team Responsible	Monitoring Strategy
1	Baseline, midline and endline surveys	Team Leader, Socio-Economic Expert, Agricultural Economist and Deputy Team Leader of respective province/unit.	<ul style="list-style-type: none"> <li>Baseline and impact surveys will be carried out on a sample basis.</li> <li>Data will be collected by field teams on pre-designed data collection tools through an android application on TABs.</li> <li>Baseline and impact surveys will be carried out in phases as target watercourses are not preselected.</li> <li>Baseline will be carried out before the intervention and the impact one year (two crop seasons) after the completion of the intervention.</li> <li>The midterm study will review the project progress at middle of the project implementation</li> <li>The endline study will assess the impact of the project interventions.</li> </ul>
2	Reporting	All core team members	<p>Following periodic reports will be prepared and submitted:</p> <ul style="list-style-type: none"> <li>Draft Inception Report 45 days after the agreement,</li> <li>Final Inception Report one week after the issuance of comments by the client on the draft,</li> <li>Monthly Monitoring Report on 10<sup>th</sup> of following month,</li> <li>Quarterly Monitoring Report on 10<sup>th</sup> of the first month of the following quarter,</li> <li>Annual Monitoring and Evaluation Report during first month of the following year,</li> <li>Baseline Survey Reports (in three phases),</li> <li>First Phase Baseline Survey report will be submitted within the four months after the start of the assignment i.e., Submission of final inception report/Beginning of field activities.</li> <li>Impact Survey Reports (in phases) - two months after the data collection completion for the impact phase,</li> <li>Midline report in the middle of the assignment,</li> <li>Endline Report at the end of endline Survey,</li> <li>Draft Assignment Completion Report at completion of the physical works,</li> <li>Final Assignment Completion Report at completion of works and financial transactions. It will also include the full economic benefit of the project (NPIWC-II) on agriculture sector as well as on the GDP of Pakistan,</li> <li>Special Reports, as and when asked by the client.</li> </ul>
3	Water saving assessment	Irrigation Agronomist, Field Team/ Engineers	<p><b>Water Saving on Watercourses:</b></p> <ul style="list-style-type: none"> <li>Water flow will be measured on sample watercourses selected for the baseline and impact surveys</li> <li>The flow will be measured at four points of the selected watercourses: close to water outlet, head reach, middle reach and tail reach.</li> <li>The measurements will be done through current meters.</li> </ul>

Sr. No.	Monitoring Activity	ME&IE Team Responsible	Monitoring Strategy
			<ul style="list-style-type: none"> <li>Based on water savings on sample watercourses, total water savings will be estimated for all project watercourses. The savings will be reported per watercourse, per annum and aggregate for the project in LPS and Acre feet.</li> </ul> <p><b>Water Savings on WSTs</b></p> <ul style="list-style-type: none"> <li>Since WSTs will be filled and emptied on a continuous basis, the water savings will be assessed on the basis of water pumped from the tank to irrigate the fields.</li> <li>The assessment will be done either by readings on the pump gauge or periodic interviewing the farmer.</li> <li>Based on water savings on sample WSTs, total water savings will be estimated for all project WSTs. The savings will be reported per WST, per annum and aggregate for the project in LPS and in Acre feet.</li> </ul> <p><b>Water savings due to Laser Land Leveling</b></p> <ul style="list-style-type: none"> <li>Water savings at field level will be assessed through farmers' interviews.</li> <li>The impact survey form will include questions to be asked from the farmers who got their land levelled:             <ul style="list-style-type: none"> <li>In how much time an acre was irrigated before watercourse improvement and land leveling</li> <li>In how much time an acre is irrigated after watercourse improvement with land leveling</li> </ul> </li> </ul> <p>The difference will be water saving due to laser land leveling</p> <p>Based on water savings on sample LLL units, total water savings will be estimated for all project LLL units. The savings will be reported per LLL unit, per annum and aggregate for the project in LPS and in Acre feet.</p>
4	Community mobilization	Social and Gender Specialist and Socio-Economic Expert	<p>The extent of community mobilization will be assessed by investigating whether:</p> <ul style="list-style-type: none"> <li>WUAs is functional</li> <li>Holds regular meetings and keep record of them</li> <li>Makes decisions democratically</li> <li>The participation in the organization is voluntary</li> <li>It is financially and administratively sustainable</li> <li>Takes steps and ensures maintenance of watercourses, WSTs and laser land leveler</li> </ul>
5	Economic benefits assessment for agriculture	Team Leader, Socio- Economist and Agricultural Economist	<ul style="list-style-type: none"> <li>As indicated at serial No. 1, Agriculture data will be collected before (baseline) and after (impact) the watercourse improvement and WSTs construction.</li> <li>In both the surveys same forms will be used and same sampled farmers will be interviewed</li> <li>Data on variables such as crop yields, irrigated area, cropping pattern, cropping intensity, farm income and employment will be collected and analyzed</li> <li>The difference between before and after situations minus natural growth will be assumed as economic benefits to the agriculture</li> <li>The results of the baseline and impact surveys will be used to quantify impact on the economy</li> </ul>
6	Impact	Team Leader,	

Sr. No.	Monitoring Activity	ME&IE Team Responsible	Monitoring Strategy
	evaluation-on the economy	Agricultural Economist and Socio-Economic Expert	<ul style="list-style-type: none"> <li>Additional food produced due to the project will be estimated. It is benefit towards food security</li> <li>Project costs and benefits will be compared in economic and financial terms to carry out economic and financial analysis.</li> <li>Parameters like IRR, NPV and BCR will be estimated.</li> </ul>
7	Impact evaluation-on the stakeholders	Team Leader, Agricultural Economist & Socio-Economic Expert	<ul style="list-style-type: none"> <li>Analysis as in serial 6 will be carried out with reference to various stakeholders, like community, government, farmers, etc.</li> </ul>
8	Spot checking	Team Leader, Deputy Team Leaders & Field teams/Engineers.	During the field visits for WUAs baselines impacts of Watercourses, WSTs and laser leveling units, the interventions will be spot checked for quality of construction, material, functioning and beneficiaries' satisfaction etc.
9	Process monitoring	Field Teams of Agriculture Deptt., Project Consultants, ME&IE Consultants & ICT/Technology Specialist	<ul style="list-style-type: none"> <li>The process data for all the interventions will be fed to the MIS/GIS database.</li> <li>Client's field staff and field teams of consultants will furnish data of their activities.</li> <li>The ME&amp;IE will assist in developing mobile application for this purpose</li> <li>From this data reports will be generated for process monitoring</li> <li>All interventions will be fully (100%) covered.</li> </ul>
10	Project website and MIS/GIS dashboard development	ICT / Technology Specialist (Including all other core team staff will also coordinate in completing data for the MIS/GIS	<ul style="list-style-type: none"> <li>The State-of-the-art MIS / Progress Monitoring Model will be developed for NPIWC-II.</li> <li>Customized forms will be developed to collect data from the implementing teams on-site for progress monitoring</li> <li>These forms will be made available to the teams on smart phones through an android application</li> <li>The teams will be adequately trained to use the application</li> <li>Data on physical and financial stages with dates will be fed to the system for process monitoring</li> <li>GIS coordinates for watercourses, WSTs, laser units (if available) and WUAs offices will be uploaded to the system and could be viewed / reached by the management online</li> <li>The system will be maintained on GOOGLE server so that it is accessible by the management from anywhere in Pakistan and abroad</li> <li>Custom reports will be possible as the user demands / desires</li> <li>The results could be displayed on small as well as large screens.</li> </ul>
11	Development of Android based application	ICT / Technology Specialist	All the data collection forms / tools will be executed through customized developed Android based applications accessible with smart phones / TABs.

## 2.4 FRAMEWORK AND RESULTS-BASED MONITORING (RBM) INDICATORS

The framework and Results-Based Monitoring (RBM) Indicators are identified in Table-2.2 of Inception Report. The indicators will be further enhanced and refined in consultation with the client as well as stakeholders.

They will also get improved as the project implementation progresses as in the light of real and on the ground situations.

## CHAPTER 3: WORK PLAN OF THE CONSULTANTS FOR FIRST QUARTER

### 3.1 COMPLIANCE STATUS OF WORK PLAN OF QUARTER JAN-MAR 2023

The ME&IE activities initiating during the 1<sup>st</sup> Quarter of the year 2023 (1<sup>st</sup> January 2023 to 31<sup>st</sup> March 2023) and their compliance status is summarized below. The Tentative Work Plan for the 1<sup>st</sup> Quarter of year 2022 (1<sup>st</sup> January 2023 to 31<sup>st</sup> March 2023) is given as **Annex-A**

#### Pre Field-Activities

- i) Preparation for 3rd-Phase Baseline Survey (Finalization of MTs)
- ii) Internal Meetings of ME&IE Consultants' Zonal Offices for development of Methodology for 3rd Phase Baseline Survey
- iii) Training of Field Staff for 3rd-Phase Baseline Survey

#### Field Activities

- i) Regular Monitoring of Interventions in the Field
- ii) Data collection of the interventions in the field
- iii) Baseline & Impact Survey field visits of project interventions
- iv) Online data entry in android-based application

#### ICT Assignment

- i) Development / Improvement of website of NPIWC-II
- ii) Monitoring online data collection and Data entry
- iii) Monitoring Android based Mobile Application under implementation by field staff.
- iv) Data collection of interventions in MIS/GIS database
- v) Capacity Building Trainings / Refresher of Departments
- vi) Data Cleaning, Development & Launching of Dashboard for Client Offices

#### Coordination

- i) Meetings of TL with NPC and OFWM Departments regarding Project Progress / Issues
- ii) Meeting of DTLs with respective DTL of PC & concerned OFWM Departments
- iii) ME & IE Consultants Internal Meetings
- iv) Meetings of TL with NPC and OFWM Departments regarding Project Progress / Issues
- v) Meeting of DTLs with respective DTL of PC &

- concerned OFWM Departments
- vi) ME&IE Consultants Internal Meetings

#### Deliverables

- i) Monthly Monitoring Report
- ii) Quarterly Monitoring Report (January-March 2023)
- iii) Mid-Line Monitoring & Impact Evaluation Report
- iv) Preparation of Baseline Survey Report 2nd-Phase
- v) Consolidation of Baseline Survey Phase-I & II Reports

The detail of deliverables of ME&IE Consultants with the timelines is as under:

Document	Status
Draft Inception Report	Submitted
Final Inception Report	Submitted
Monthly Monitoring Report-First (DEC 2020-JAN 2021)	Submitted
Monthly Monitoring Report-Second (FEB 2021)	Submitted
Monthly Monitoring Report-Third (MAR 2021)	Submitted
Quarterly Monitoring & Evaluation Report-First (JAN-MAR 2021)	Submitted
Monthly Monitoring Report-Fourth (APR 2021)	Submitted
Monthly Monitoring Report-Fifth (MAY 2021)	Submitted
Monthly Monitoring Report-Sixth (JUNE 2021)	Submitted
Quarterly Monitoring & Evaluation Report-Second (APR-JUN 2021)	Submitted
Monthly Monitoring Report-Seventh (JULY)	Submitted
Monthly Monitoring Report-Eighth (AUG 2021)	Submitted
Annual Monitoring & Evaluation Report (1 <sup>st</sup> )	Submitted
Baseline Survey Report (Final Draft)	Submitted
Monthly Monitoring Report-Ninth (SEPTEMBER 2021)	Submitted
Quarterly Monitoring & Evaluation Report-Third (JULY - SEPTEMBER 2021)	Submitted
Monthly Monitoring Report-Tenth (OCTOBER 2021)	Submitted

Document	Status
Monthly Monitoring Report-Eleventh (NOVEMBER 2021)	Submitted
Monthly Monitoring Report-Twelfth (DECEMBER 2021)	Submitted
Quarterly Monitoring & Evaluation Report-Fourth Quarter year 2021 (OCTOBER – DECEMBER 2021)	Submitted
Monthly Monitoring Report-Thirteenth (JANUARY 2022)	Submitted
Monthly Monitoring Report-Fourteenth (MARCH 2022)	Submitted
Monthly Monitoring Report-Fifteen (MARCH 2022)	Submitted
Quarterly Monitoring & Evaluation Report-First Quarter year 2022 (JANUARY – MARCH 2022)	Submitted
Monthly Monitoring Report-Sixteen (APRIL 2022)	Submitted
Monthly Monitoring Report-Seventeenth (MAY 2022)	Submitted
Monthly Monitoring Report-Eighteenth (JUNE 2022)	Submitted
Quarterly Monitoring & Evaluation Report-2 <sup>nd</sup> Quarter year 2022 (APRIL – JUNE 2022)	Submitted
Annual Monitoring & Evaluation Report (2 <sup>nd</sup> ) Jul 2021-June 2022	Submitted
Monthly Monitoring Report-Nineteenth (JULY 2022)	Submitted
Monthly Monitoring Report-Twentieth (AUGUST 2022)	Submitted
Monthly Monitoring Report-Twenty First (SEPTEMBER 2022)	Submitted
Quarterly Monitoring & Evaluation Report-3 <sup>rd</sup> Quarter year 2022 (JUL – SEP 2022)	Submitted
Monthly Monitoring Report-Twenty Second (OCTOBER 2022)	Submitted
Monthly Monitoring Report-Twenty Third (NOVEMBER 2022)	Submitted
Monthly Monitoring Report-Twenty Fourth (DECEMBER 2022)	Submitted
Monthly Monitoring Report-Twenty Fifth (JANUARY 2023)	Submitted
Monthly Monitoring Report-Twenty Sixth (FEBRUARY 2023)	Submitted
Monthly Monitoring Report-Twenty Seventh (March 2023)	Under preparation

Document	Status
Quarterly Monitoring & Evaluation Report-1 <sup>st</sup> Quarter year 2023 (JAN – MAR 2023)	Report in hand
Baseline Survey Report Phase-I	Submitted
Baseline Survey Report Phase-II	Submitted
Baseline Survey Report Phase-II (Draft version of WSTs)	Submitted
Mid-Line Monitoring & Impact Evaluation Report	Submitted
Special Reports submitted: 1) Monitoring Tools 2) Survey Manual 3) PAM 4) Working Paper on Technology and Methodology for Implementation of Android Based Field Progress Data Collection and GIS Based Progress Monitoring Analytical Dashboard. 5) Baseline-Endline Survey Manual 6) Android Application Manual PMIS Dashboard Manual	Submitted

\*Above highlighted deliverables were submitted within reporting period of in hand QM&ER.

Deliverables/Reporting Requirements are placed at Annex-D.

#### Matrix of Responsibilities

The Matrix of Responsibilities is placed at Annex-B.

## CHAPTER 4: ACTIVITIES DURING THE REPORTING QUARTER

### 4.1 INTRODUCTION

Quarterly Monitoring & Evaluation Report (QM&ER) explains the understanding towards all activities to be carried out as per TORs of ME&IE assignment and their completion within stipulated time frame.

### 4.2 OBJECTIVE OF QM&ER

The Main objective of Quarterly Monitoring and Evaluation Report (QM&ER) is to update the Client about the activities carrying out by the ME&IE Consultants during the reporting quarter. Reporting is an integral part of monitoring and evaluation framework.

### 4.3 REPORTING QUARTER

This current QM&ER covers the period from 1<sup>st</sup> January 2023 to 31<sup>st</sup> March 2023.

This Report provides the progress made in various activities relating to the accomplishment of Monitoring activities of project interventions e.g., Field Survey / Monitoring of the field interventions. This report also describes all activities to be carried out as per quarterly work plan. Activities during the reporting period are given below:

#### 4.3.1 Data Validation of Baseline and Impact Survey

Data validation of Baseline Phase-II and Impact survey continued during this Quarter.

#### 4.3.2 Baseline Phase-II & Midterm Impact Survey Field Visits

The ME&IE Consultants field team continued field visits during the reporting quarter. The detailed list of PLL field visits during reporting quarter is given as **Annex-E**. Detailed visiting schedule of Baseline-I & II survey during reporting quarter is given as **Annex-F**. The detailed list of Impact field visits during reporting quarter is given as **Annex-G**, while the pictorial view of Impact survey field visits is given as **Annex-H**.

### MONITORING OF INTERVENTIONS IN THE FIELD

The routine monitoring is containing brief analysis of the results; calculating achievement rates and establishing trends, relevant findings that may help or constraint the future data collection activities in the established periods and, if appropriate, propose specific solutions assessing the advantages and disadvantages of each.

The regular monitoring assignments under the project NPIWC-II are comprised of input-output and process as defined in the Annual Work Plan / Budget and tracking of the outcome's indicators. Regular routine monitoring is to look at the extent to which the proposed project activities are being implemented as planned. Routine monitoring by the ME&IE consultants remained in progress during the reporting quarter.

Consultants' activities including routine monitoring of the interventions and data collection for Midline Survey remained continued during the reporting period. Consultants also visited client offices for data collection.

### 4.4 ACTIVITIES ICT UNIT – DURING REPORTING QUARTER

#### 4.4.1 Monitoring / Baseline & Impact Field Visits of Interventions by ICT Unit Field Team

During the current quarter (January 2023 to March 2023), Islamabad Capital Territory (ICT) Zone team conducted field visits for Baseline & Impact survey, regular monitoring as well as for case study Surveys. ICT field team visited the Rawalpindi and Attock districts of for baseline data collection of 03 WSTs, and various District of Azad Jammu & Kashmir (AJK) for baseline survey of 13 watercourses and 04 water storage tanks.

#### Overall Progress:

The ME&IE Consultants, Islamabad had completed first and second baseline survey inclusive of 43 watercourses in ICT & AJK, 18 water storage tanks in AJK and 13 WSTs in Potohar region of Punjab. The ME&IE Consultants have also conducted impact field visits for data collection of 9 water courses and 7 WSTs.

Since its inception, the ME&IE Consultants ICT field team other than routine monitoring has conducted baseline surveys for 43 watercourses, including 36 in AJK and 7 in ICT as well as 13 WSTs in the Potohar region. They have also conducted an Impact field survey of 5 watercourses in ICT and 4 Watercourses in AJK and 7 WSTs in Potohar region. Districtwise field visits are given in below table.

Table: Total Activities, District-wise

Sr. #	District	Baseline		Impact		Total visits
		Watercouce	WST	Watercouce	WST	
1	ICT	7	-	5	-	12
2	Muzaffarabad	7	5	2	-	14
3	Bhimber	9	2	-	-	11
4	Mirpur	8	1	2	-	11
5	Jhelum	3	4	-	-	7
6	Poonch	2	2	-	-	4
7	Kotli	2	2	-	-	4
8	Bagh	2	1	-	-	3
9	Sudhnoti	1	1	-	-	2
10	Neelum	2	-	-	-	2
11	Attock	-	6	-	5	11
12	Chakwal	-	2	-	2	4
13	Jhelum (Punjab)	-	1	-	-	1
14	Rawalpindi	-	4	-	-	4
<b>Sub Total</b>		<b>43</b>	<b>31</b>	<b>9</b>	<b>7</b>	<b>90</b>

Regular monitoring and spot checking of watercourses and water storage tanks were conducted from time to time by the ME&IE consultants' team.

ME&IE consultants of ICT-Zone have completed their targets of Baseline-I and Baseline-II. The impact/ midline survey for Baseline-I & part of Baseline-II has also been completed. The consultants have prepared the draft and submitted the Midline Impact Evaluation report to the client against the completed baselines including first and second with the criterion which interventions had completed at least two crop seasons at the point in time of arresting the middle of the project. In accomplishing the midline impact evaluation report, the ME&IE consultants remained busy from all zones/ units including ICT-Zone of the project.

### 1) Brief Profile of WST / Owner

Date of Visit	23-1-2023
Scheme	Water storage Tank
Farmer Name	Rizwan Haider
Name of village:	Chak-Khushi
Tehsil	Kallar Kahar
Province	Punjab
District	Chakwal
Source of irrigation:	Nallah + Bore +Mini Dam
Shape of WST	Square
Length, width	30/30 feet
Command area of WSP	12 Acres



Picture of field area Before intervention



Livestock at chak khushi after intervention



DTL and field team with beneficiary 'Chak khushi'  
Kallar kahar

## 2) Brief Profile of WST / Owner

Date	24-1-2023
Scheme	Water Course
Farmer Name	Allah Ditta
Name of village:	Lehri-6
District:	Mirpur
Province	AJK
Source of irrigation:	Tube well
SHAPE OF WC:	PCP
Command area of WC:	12.5Acres
No of beneficiaries:	3



Field area before intervention



Field area Lehri -6 After Intervention



TL with field team and beneficiaries at Lehri-6

ME&IE field team, along with Team Leader (NPIWC-II) Dr. Usman Mustafa, visited district Mirpur at village Lehri-6. The aim of this visit was to conduct regular monitoring as well as to evaluate the impact of the intervention.

Before this intervention the farmer was cultivating only maize and wheat but now after intervention he started to cultivate different seasonal vegetables, including turnip, radish, spinach, garlic and soya. The farmer was very happy with the intervention, a good impact was seen on his income and livelihood. The team evaluate this impact by conducting baseline and then after 2 years conducting the impact survey.

Farmer has 1 PHL. The PHL of farmer was well aware of agricultural practices and his wife also knows about the agricultural practices. PHL of beneficiary told that his owner had allowed him to use vegetables for his home consumption as well and also give him some share from his crops.

It was observed by the team that the intervention is well maintained, it was properly cleaned and was saved from any kind of leakage/damage.

The farmer was using Urea and DAP fertilizer, he also used FYM as a fertilizer. The land occupied by him was fertile and was suitable for different other crops.

The farmer has agricultural land in non-canal area. The type of WC was PCP.

### 4.4.2 SOCIAL AND GENDER COMPONENT

In the current quarter, Social and gender specialist has conducted a case study survey in the month of January 2023.

BEFORE INTERVENTION	AFTER INTERVENTION
Mrs. Shazia's children were not enrolled in school due to low income. Ms. Shazia wished to enroll her kids in school but due to financial constrain her wish didn't come true.	After increasing the income, she enrolled her children in school as she can buy the uniform, books and other school related stuff for their children. Mrs. Shazia khan is very pleased with the project intervention as her dream comes true.
Mrs. Shazia was not providing the healthy and proper meal to their children due to poverty. Her children were malnourished that was also alarming situation on the top of their poverty life.	Her children are consuming proper meal as they had come out of the poverty and the health of the children also improving after the efforts of Mrs. Shazia.

Previously they cultivated Wheat, and Maize because they did not have enough water to produce different number of crops	After the intervention of watercourse they were cultivating different Vegetables viz., Radish, Carrot, Garlic, Spinach, Turnip, Coriander, Mustard and Soya.
Mrs. Shazia knows all farming activities and wanted to assist her husband in farming activities but due to insufficient availability of water she didn't do anything.	Mrs. Shazia Khan realized that they could grow more vegetables because there is no problem of availability of water for crops. She started growing the different vegetables which includes radish, carrot, garlic, spinach, ridge gourd, mustard, soya and coriander. Moreover, she decided to cultivate vegetables for personal use as well as commercial purposes.
Mr. Shazia's husband, Mr. Akber was earning 25000/- per month, which is very, less to fulfil their family needs. She told that previously she was very worried about her house expenditures as she is second wife and her husband income is not sufficient to fulfil their needs.	Mrs. Shazia is earning 500-700 PKR per day from vegetable sales. She is very satisfied and more confident after sharing the household expenditures with her household.

Pictorial View of Case Study



Before Intervention: (condition)



After Intervention: (condition)



Picture



Mr. Akber Khan is working on vegetable farm



Picture



Happy children of Lehri-6 District Mirpur



Picture



Picture



S&G Specialist is taking interview of Mrs. Shazia at her vegetables farm



S&G Specialist with Mr. Abker Khan's family.



Mrs. Shazia Khan and other female members are working in vegetables farm.



beneficiary at village Lehri-6



Raddish crop



Carrots



Soya



Coriander

#### 4.4.3 Coordination Meetings Of ME&IE Consultants With The Client

A series of meetings held with the client in respect of review of progress of Baselines and Midline Impact surveys held with the conclusions: there should be one consolidated Baseline and that benchmark information there will be endline project impact. Presently, the ME&IE consultants are waiting the list of sampling frame to draw sample size for conducting consolidated final baseline and then on this basis the endline report will be conducted through employing the impact survey information.

##### Meeting With Assistant Director Agriculture, Kallar Kahar

Date	23-01-2023
Venue	Office of Assistant Director Agriculture, OFWM, Kallar Kahar
<b>Participants</b>	
i.	Qaiser Mehmood, A.D Agriculture OFWM.
ii.	Dr. Ikram Saeed, DTL, ME&IEC (NPIWC-II).
iii.	Mr. Rasheed Zehri Field team Incharge ICT.
iv.	Ms. Hafiza Maryam Iqbal ME & IE Field Officer ICT.
v.	Ms. Sana Gull ME & IE Field Officer ICT.
<b>Meeting Agenda/Points Discussed:</b>	
<ul style="list-style-type: none"> <li>Briefing of ME &amp; IE Consultants in Phutwar region of Punjab Province.</li> <li>Collection of basic data on WST and guideline for visiting the sites.</li> <li>The OFWM office guided well and accompanied ME&amp;IE consultants team in concerned sites during the on-site visit</li> </ul>	



ME&IE consultants in Discussion with Assistant Director Agriculture, OFWM, Dept. Kallar Kahar

##### Meeting with OFWM Officers of Mirpur, AJK

<b>Date</b>	24-01-2023
<b>Venue</b>	Office of Small Dams and Irrigation Dpt. Mirpur.
<b>Participants</b>	
i.	Javed Qamar, D.D Small Dams & Irrigation, Mirpur.
ii.	M. Ali, A.D Small Dams & Irrigation, Mirpur.
iii.	Dr. Usman Mustafa, TL, ME&IE Consultants (NPIWC-II).
iv.	Mr. Rasheed Zehri Field Team Incharge ICT.
v.	Ms. Hafiza Maryam Iqbal ME & IE Officer ICT.
vi.	Ms. Abida Munir, S&G Specialist.
<b>Meeting Agenda/Points discussed:</b>	
<ul style="list-style-type: none"> <li>Briefing of ME &amp; IE Consultants in AJK.</li> <li>Collection of basic data on WC and guideline for visiting the sites.</li> <li>The OFWM office guided well and accompanied with ME&amp;IE consultants' team in conducting visits of targeted sites during the visits</li> </ul>	



ME&IE Consultants' meeting with Deputy Director of Small Dams and Irrigation, Mirpur.

#### 4.5 ACTIVITIES PUNJAB ZONE – DURING REPORTING QUARTER

Broadly monthly monitoring Activities of ME&IE Consultants during the Quarter under review are classified as under.

- i. Pre/Post Field Activities
- ii. Field Activities
- iii. Coordination/Meeting of ME&IE Consultants with stakeholder

##### 4.5.1 Pre/Post Field Activities

The ME&IE Consultants team remained busy with data Collection/Validation of various Interventions of OFWM for the PMIS-Dashboard. The Task regarding watercourses and water storage ponds/tanks of all Divisions / Districts has been completed. The Data Collection about the Provision of the Laser Land Levelling units from the OFWM Directorate General is under process.

The progress related to watercourse improvement is as under:

Table 4. 1 : Status of Watercourses Data of PMIS Dashboard

DIVISION	DISTRICT	STATUS	
		19-20&20-21	2021 – 22
Lahore	Lahore	Complete	Complete
	Sheikhupura	Complete	Complete
	Nankana Sahib	Complete	Complete
	Kasur	Complete	Complete
Faisalabad	Faisalabad	Complete	Complete
	Jhang	Complete	Complete
	Chiniot	Complete	Complete
	Toba Tek Singh	Complete	Complete
Gujranwala	Gujranwala	Complete	Complete
	Narowal	Complete	Complete
	Sialkot	Complete	Complete
Gujrat	Gujrat	Complete	Complete
	Hafizabad	Complete	Complete
	Mandi Bahu din	Complete	Complete
Lahore	Lahore	7	Complete
	Sheikhupura	1	Complete
	Nankana Sahib	2	Complete
	Kasur	2	Complete
Multan	Multan	21	Complete
	Lodhran	14	Complete
	Khanewal	18	Complete
	Vehari	14	Complete
Sahiwal	Okara	17	Complete
	Sahiwal	15	Complete
	Pakpattan	5	Complete
Sargodha	Sargodha	19	Complete
	Khushab	29	Complete
	Mainwali	3	Complete
	Bhakkar	35	Complete
Rawalpindi	Rawalpindi	72	Complete
	Attock	79	Under Process
	Chakwal	88	Under Process
	Jehlum	53	Under Process

DIVISION	DISTRICT	STATUS	
		19-20&20-21	2021 - 22
	Vehari	Complete	Complete

The status regarding Water Storage Tank/Ponds is shown in table 4.2 as under.

Table 4. 2: Status of Water Storage Tank Data Collection for PMIS Dashboard

DIVISION	DISTRICT	OFWM WST NOS	STATUS
Bahawalpur	Bahawalpur	52	Complete
	R.Y Khan	42	Complete
	Bahawalnagar	57	Complete
D.G Khan	D.G Khan	33	Complete
	Muzaffargarh	18	Complete
	Layyah	21	Complete
	Rajanpur	10	Complete
Faisalabad	Faisalabad	8	Complete
	Jhang	35	Complete
	Chiniot	31	Complete
	Toba Tek Singh	45	Complete
Gujranwala	Gujranwala	2	Complete
	Narowal	2	Complete
	Sialkot	2	Complete
Gujrat	Gujrat	24	Complete
	Hafizabad	13	Complete
	Mandi Bahu din	2	Complete
Lahore	Lahore	7	Complete
	Sheikhupura	1	Complete
	Nankana Sahib	2	Complete
	Kasur	2	Complete
Multan	Multan	21	Complete
	Lodhran	14	Complete
	Khanewal	18	Complete
	Vehari	14	Complete
Sahiwal	Okara	17	Complete
	Sahiwal	15	Complete
	Pakpattan	5	Complete
Sargodha	Sargodha	19	Complete
	Khushab	29	Complete
	Mainwali	3	Complete
	Bhakkar	35	Complete
Rawalpindi	Rawalpindi	72	Complete
	Attock	79	Under Process
	Chakwal	88	Under Process
	Jehlum	53	Under Process

During the reporting quarter, ME&IE Consultants in Punjab zone successfully completed the second baseline survey, covering a total of 165 water courses and 60 water storage tanks of both Phase-I and Phase-II. The detailed list of BSL-I&II survey visits till reporting quarter is given as **Annex-F**.

Detailed visiting schedule of Impact survey during reporting quarter is given as **Annex-G**, while the pictorial view of Impact survey field visits is given as **Annex-H**.

Data Collection about the Provision of the Laser Land Levelling units from the OFWM Directorate General is under process.

#### 1.2 Field Activities (Regular Monitoring /Field Survey of Interventions)

The monitoring / Field survey pertained to the provision laser land levelers during the month under review. The data collection activies for this intervention were carried out by three field teams under the supervision and guidance of the Deputy Team Leader Punjab zone Lahore.

As per the proposed methodology, the PLL study sample size of 3.2% of the population was considered an appropriate sample size the sample was determined while using the stratified purposive and randomized technique. The Ecological zone District-wise sample was divided proportionally in accordance with population. It includes a number of units delivered at least one year earlier than the date of the survey and remained in usage of the service provider. Table 3 ecological zone-wise target population and sample size.

Table 4. 3: Target Population and Sample size of PLL

Ecological Zone	Overall Achievement Till 31/12/2021*	ME & IE Consultants Sample Size (3.2% Of Overall Achievement)	Achievement of ME & IE Consultants
Partial Irrigated Zone	244	8	5
Irrigated (Rice Zone)	1197	39	39
Irrigated (Mixed Zone)	1237	40	54
Sub Total North Punjab	2678	87	98
Irrigated (Cotton Zone)	1523	48	48
Sub Total South Punjab	1523	48	48
Grand Total	4200	135	146

It is assumed and included 50% PLL delivery till 31-12-2021 of the year 2021 – 22

The achievements of ME&IE consultants in conducting the survey of PLL are more than 108% of the sample size. The district wise detail in this respect are given in Annexure A (ii). Out of 146 interventions covered, 24 have been surveyed earlier while the remaining 123 have been survey in the current qurter.

The updated data collection tool was used in the field (copy attached as annexure – B). The tool was converted into android based system on tabs/mobile phone were submitted on PMIS

dashboard system directly from the field for the further processing and analysis.

The detailed list of PLL survey visits during reporting quarter is given as **Annex-E**

#### 4.5.2 Field Visits (PLL)

The following field visits were made in connection with monitoring and collection of data relevant to land leveler usage.

Name of Service Provider	Mahiwal
Father Name	Noor Muhammad
Tehsil & District	Faisalabad
Address	252 RB
Area Owned Levelled	14 Acres
Others Land Levelled	620 Acres



Interview with the beneficiary along with the view of PLL

Name of Service Provider	Muhammad Khan
Father Name	Muhammad Akram
Tehsil & District	Faisalabad Saddar & Faisalabad
Address	
Area Owned Levelled	5 Acres
Others Land Levelled	850 Acres



Service provider with PLL unit

Name of Service Provider	Arif Hussain Gill
Father Name	Faheer Hussain Gill
Tehsil & District	Faislabad Saddar & Faislabad
Address	272 RB
Area Owned Levelled	12 Acres
Others Land Levelled	450 Acres



Name of Service Provider	Muhammad Anwar
Father Name	Sardar Muhammad
Tehsil & District	Sammundri & Faislabad
Address	477 GB
Area Owned Levelled	75 Acres
Others Land Levelled	100 Acres



The Service provider pictured with PLL

Name of Service Provider	Jammat Ali
Father Name	Nawab Din
Tehsil & District	Faislabad Saddar & Faislabad
Address	256 RB
Area Owned Levelled	60 Acres
Others Land Levelled	500 Acres



Inspection of PLL with the service provider

Name of Service Provider	Allah Ditta
Father Name	Akbar Ali
Tehsil & District	Sammundri & Faislabad
Address	372 GB
Area Owned Levelled	20 Acres
Others Land Levelled	800 Acres

Name of Service Provider	Touqeer Abbas
Father Name	Abbas Ali
Tehsil & District	Sammundri & Faislabad
Address	136 GB
Area Owned Levelled	60 Acres
Others Land Levelled	120 Acres

Name of Service Provider	Abdul Rauf
Father Name	Fateh Muhammad
Tehsil & District	Sammundri & Faislabad
Address	50 GB
Area Owned Levelled	32 Acres
Others Land Levelled	300 Acres



Service provider giving his thoughts on PLL

Name of Service Provider	Muhammad Zubair
Father Name	Muhammad Ali
Tehsil & District	Sammundri & Faislabad
Address	223 GB
Area Owned Levelled	40 Acres

Others Land Levelled	800 Acres
	

Beneficiary pictured with PLL along the field team

Name of Service Provider	Arbab Saifullah
Father Name	Saifullah
Tehsil & District	Sammundri & Faisalabad
Address	223 GB
Area Owned Levelled	14 Acres
Others Land Levelled	600 Acres



The PLL unit at the site along with Service provider

Name of Service Provider	Bashir Ahmad
Father Name	Sadar Din
Tehsil & District	Sammundri & Faisalabad
Address	208 GB
Area Owned Levelled	56 Acres
Others Land Levelled	1400 Acres

Service provider with the PLL unit



Name of Service Provider	Chawa
Father Name	Ghulam Muhammad
Tehsil & District	Kamalia & Toba Tek

Singh
Address
Area Owned Levelled
Others Land Levelled



Glimpse of PPL unit the service provider

Name of Service Provider	Shahmir Khan
Father Name	Muhabat Ali
Tehsil & District	Jhang
Address	Mouza Kot Dewan
Area Owned Levelled	100 Acres
Others Land Levelled	10 Acres



A view of PLL Unit with the service provider

Name of Service Provider	Ajmal Nadeem
Father Name	Shahmir Khan
Tehsil & District	Jhang
Address	Mouza Kot Dewan
Area Owned Levelled	70 Acres
Others Land Levelled	30 Acres



Beneficiary pictured with PLL along the field team

Date	23/01/2023
Name of Service Provider	Umar Hayat
Father Name	
CNIC No.	
Contact No.	03467242261
Tehsil & District	Jhang
Address	
Area Owned Levelled	25 Acres
Others Land Levelled	150 Acres



Service provider giving his thoughts on PLL

Name of Service Provider	Ghulam Murtaza
Father Name	Akbar Ali
Tehsil & District	Toba Tek Singh
Address	325 JB
Area Owned Levelled	30 Acres
Others Land Levelled	150 Acres



Name of Service Provider	Muhammad Ali
Father Name	Abdul Hayee Khan
Tehsil & District	Toba Tek Singh
Address	325 JB
Area Owned Levelled	125 Acres
Others Land Levelled	300 Acres



A view of PLL Unit with the service provider

Name of Service Provider	Ikram Ul Haq
Father Name	Muhammad Botta
Tehsil & District	Toba Tek Singh
Address	
Area Owned Levelled	50 Acres
Others Land Levelled	300 Acres

Name of Service Provider	Umar Hayat
Father Name	Noor Muhammad
Tehsil & District	Toba Tek Singh
Address	309 JB
Area Owned Levelled	80 Acres
Others Land Levelled	60 Acres



Glimpse of PPL unit the service provider

Name of Service Provider	Muhammad Nasrullah
Father Name	Ghulam Nabi
Tehsil & District	Burewala & Vehari
Address	495 EB
Area Owned Levelled	20 Acres
Others Land Levelled	450 Acres



A view of PLL Unit with the service provider

Name of Service Provider	Sajjad Mehmood
Father Name	Bashir Ahmed
Tehsil & District	Burewala & Vehari
Address	
Area Owned Levelled	200 Acres
Others Land Levelled	150 Acres



Beneficiary pictured with PLL along the field team

Name of Service Provider	Muhammad Saleem
Father Name	Rehmat Ullah
Tehsil & District	Burewala & Vehari
Address	
Area Owned Levelled	2 Acres
Others Land Levelled	0



Service provider of PLL with the field team

Name of Service Provider	Karam Elahi
Father Name	Haji Allah Baksh
Tehsil & District	Burewala & Vehari
Address	219 EB
Area Owned Levelled	75 Acres
Others Land Levelled	100 Acres



PLL unit with the service provider at the site

Name of Service Provider	Muhammad Banyameen
Father Name	Muhammad Sarwar
Tehsil & District	Burewala & Vehari
Address	193 EB
Area Owned Levelled	200 Acres
Others Land Levelled	250 Acres

The service provider giving interview to the field team



Name of Service Provider	Master Basir Ahmed
Father Name	Atta Muhammad
Tehsil & District	Burewala & Vehari
Address	114 EB
Area Owned Levelled	40 Acres
Others Land Levelled	250 Acres



The Service provider pictured with PLL

Name of Service Provider	Ashraf Ali
Father Name	Ali Muhammad
Tehsil & District	Burewala & Vehari
Address	293 EB
Area Owned Levelled	50 Acres
Others Land Levelled	450 Acres



PLL unit in the working condition at the site

Name of Service Provider	Muhammad Yaqoob
Father Name	Sajwara
Tehsil & District	Burewala & Vehari
Address	293 EB
Area Owned Levelled	100 Acres
Others Land Levelled	700 Acres



The Service provider pictured with PLL

Name of Service Provider	Muhammad Ramzan
Father Name	Karam Ali
Tehsil & District	Sahiwal
Address	189/9-AL
Area Owned Levelled	25 Acres
Others Land Levelled	60 Acres



The Service provider pictured giving interview

Name of Service Provider	Nazar Muhammad
Father Name	Muhammad Nawaz Khan
Tehsil & District	Sahiwal
Address	Mouza Noor Muhammad Shah
Area Owned Levelled	150 Acres
Others Land Levelled	600 Acres



The service provider giving interview to the field team

Name of Service Provider	Usman ali
Father Name	Arshad Akhter
Tehsil & District	Sahiwal
Address	133/9L
Area Owned Levelled	200 Acres
Others Land Levelled	150 Acres



The service provider giving interview to the field team

Name of Service Provider	Muhammad Nawaz
Father Name	Noor Muhammd
Tehsil & District	Sahiwal
Address	55/GD
Area Owned Levelled	60 Acres
Others Land Levelled	240 Acres



Glimpse of PPL unit the service provider

Name of Service Provider	Noor Muhammad
Father Name	Muhammad Ameer
Tehsil & District	Sahiwal
Address	50/GD
Area Owned Levelled	220 Acres
Others Land Levelled	200 Acres



The PLL unit at the site along with Service provider

Name of Service Provider	Muhammad Ibrar
Father Name	M.Idrees
Tehsil & District	Sahiwal
Address	88/9L
Area Owned Levelled	200 Acres
Others Land Levelled	50 Acres



The PLL unit at the site along with Service provider

Name of Service Provider	Ali Rizwan khan
Father Name	Zahoor Khan
Tehsil & District	Sahiwal
Address	
Area Owned Levelled	150 Acres
Others Land Levelled	100 Acres



Glimpse of PPL unit the service provider

Name of Service Provider	Abdul Farooq
Father Name	Peer Muhammad
Tehsil & District	Sahiwal
Address	73/4R
Area Owned Levelled	100 Acres
Others Land Levelled	60 Acres



The service provider giving interview to the field team

Name of Service Provider	Maqbool Ahmed
Father Name	Sardar Muhammad Zafar
Tehsil & District	Okara
Address	43/ GD
Area Owned Levelled	200 Acres
Others Land Levelled	200 Acres



Service provider with the PLL unit along with Field Team

Name of Service Provider	Haji Muhammad Ashraf
Father Name	Fazal Karim
Tehsil & District	Okara
Address	Mouza Jabuka
Area Owned Levelled	100 Acres
Others Land Levelled	400 Acres



The service provider giving interview to the field team

Name of Service Provider	Muhammad Younas Bhatti
Father Name	Salamat Ali Bhatti
Tehsil & District	Okara
Address	10/GD
Area Owned Levelled	150 Acres
Others Land Levelled	450 Acres



The PLL unit at the site along with Service provider

Name of Service Provider	Khan Muhammad
Father Name	Wali Muhammad
Tehsil & District	Okara
Address	Mouza Shareen
Area Owned Levelled	35 Acres
Others Land Levelled	150 Acres



The service provider giving interview to the field team

Name of Service Provider	Bilal Hussain
Father Name	Muhammad Ashraf
Tehsil & District	Jhang
Address	Mouza Nankana Pakky Wala
Area Owned Levelled	75 Acres
Others Land Levelled	100 Acres



The service provider giving interview to the field team

Name of Service Provider	Muhammad Akram
Father Name	Muhammad Ali
Tehsil & District	Okara
Address	16/GD
Area Owned Levelled	90 Acres
Others Land Levelled	600 Acres



Glimpse of PPL unit the service provider

Name of Service Provider	Taj Mahmood Ashi
Father Name	Muhammad Abdullah
Tehsil & District	Jhang
Address	Chak No 220
Area Owned Levelled	34 Acres
Others Land Levelled	310 Acres



Service provider and the beneficiaries of PLL unit pictured with field team

Name of Service Provider	Hanif Tahir
Father Name	Muhammad Ramzan
Tehsil & District	Jhang
Address	Mouza Gagrana
Area Owned Levelled	25 Acres
Others Land Levelled	300 Acres



The PLL unit at the site along with Service provider giving interview

Name of Service Provider	Ijaz Ahmed
Father Name	Muhammad Sharif
Tehsil & District	Toba Tek Singh
Address	403 JB
Area Owned Levelled	200 Acres
Others Land Levelled	400 Acres



Glimpse of PPL unit the service provider

Name of Service Provider	Muhammad Jameel
Father Name	Rukan Din
Tehsil & District	Toba Tek Singh
Address	325 JB
Area Owned Levelled	18 Acres
Others Land Levelled	175 Acres



Glimpse of PPL unit the service provider

Name of Service Provider	Muhammad Zakaullah
Father Name	Sana Ullah
Tehsil & District	Sialkot
Address	Bhegowala, Tehsil Sialkot
Area Owned Levelled	5 acres
Others Land Levelled	400 acres



Interview in progress with the service provider

Name of Service Provider	Wahid Ali
Father Name	Muhammad Ismail
Tehsil & District	Sialkot
Address	Guna Kalan, Tehsil Sialkot
Area Owned Levelled	5 acres
Others Land Levelled	200 acres



Interview in progress with the service provider

Name of Service Provider	Amjid Mahmood
Father Name	Muhammad Sharif
Tehsil & District	Sialkot
Address	Bhoni, Tehsil Sialkot
Area Owned Levelled	10 acres
Others Land Levelled	70 acres



Interview in progress with the service provider

Name of Service Provider	Muhammad Naveed
Father Name	Muhammad Mushtaq
Tehsil & District	Sialkot
Address	Bhagowal
Area Owned Levelled	6 acres
Others Land Levelled	400 acres



Interview in progress with the service provider

Name of Service Provider	Munir Ahmad
Father Name	Barkat Ali
Tehsil & District	Sialkot
Address	Chak Bidya Tehsil Sialkot
Area Owned Levelled	10 acres
Others Land Levelled	400 acres



Interview in progress with the service provider

Name of Service Provider	Rafaqat Ali
Father Name	Saif Ali
Tehsil & District	Tehsil Wazirabad District Gujranwala
Address	Sohdara Tehsil Wazirabad
Area Owned Levelled	7 acres
Others Land Levelled	50 acres



Interview in progress with the service provider

Name of Service Provider	Muhammad Asif Javaid
Father Name	Muhammad Khan
Tehsil & District	Tehsil Wazirabad District Gujranwala
Address	Wadala Cheema Tehsil Wazirabad
Area Owned Levelled	5 acres
Others Land Levelled	50 acres



Name of Service Provider	Muhammad Farooq
Father Name	Muhammad Hussain
Tehsil & District	Tehsil Wazirabad District Gujranwala
Address	Talwara Sohdra, Tehsil Wazirabad
Area Owned Levelled	5 acres
Others Land Levelled	50 acres



Interview in progress with the service provider

Name of Service Provider	Fiaz Ahmad
Father Name	Muhammad Khan
Tehsil & District	Tehsil Wazirabad District Gujranwala
Address	Rakh Baroki Tehsil Wazirabad
Area Owned Levelled	5 acres
Others Land Levelled	250 acres



Name of Service Provider	Nadeem Raza Cheema
Father Name	Muhammad Khan Cheema
Tehsil & District	Tehsil Wazirabad District Gujranwala
Address	Wadla Cheema Tehsil Wazirabad
Area Owned Levelled	5 acres
Others Land Levelled	200 acres



Interview in progress with the service provider

Name of Service Provider	Akhtar Hussain
Father Name	Fateh Muhammad
Tehsil & District	Tehsil Wazirabad District Gujranwala
Address	Rakh Baroki Tehsil Wazirabad
Area Owned Levelled	6.5 acres
Others Land Levelled	25 acres



Name of Service Provider	Tariq Hussain
Father Name	Talib Hussain
Tehsil & District	Tehsil Wazirabad District Gujranwala
Address	Bharoki Cheema
Area Owned Levelled	5 acres
Others Land Levelled	300 acres



Name of Service Provider	Nazar Hussain
Father Name	Muhammad Din
Tehsil & District	Gujrat
Address	Lakhanwal Tehsil Sialkot
Area Owned Levelled	5 acres
Others Land Levelled	200 acres



Interview in progress with the service provider

Name of Service Provider	Aurangzaib
Father Name	Muhammad Razzaq
Tehsil & District	Gujrat
Address	Lakhanwal Tehsil Gujrat
Area Owned Levelled	-
Others Land Levelled	-



Interview in progress with the service provider

Name of Service Provider	Qayyum Sarwar Qamar
Father Name	Muhammad Sarwar
Tehsil & District	Gujrat
Address	Jalalpur Tehsil Gujrat
Area Owned Levelled	-
Others Land Levelled	-



Interview in progress with the service provider

Name of Service Provider	Naeem Sohail
Father Name	Nazeer Ahmad
Tehsil & District	Gujrat
Address	Adowal Kalan Tehsil Gujrat
Area Owned Levelled	5 acres
Others Land Levelled	150 acres



Interview in progress with the service provider

Name of Service Provider	Faisal Nawaz
Father Name	Muhammad Nawaz
Tehsil & District	Gujrat
Address	Pindihasna Tehsil Gujrat
Area Owned Levelled	12.5 acres
Others Land Levelled	50 acres



Interview in progress with the service provider

Name of Service Provider	Aftab Ahmad
Father Name	Muhammad Naeem Ullah
Tehsil & District	Gujrat
Address	Kotla Qasim Tehsil Gujrat
Area Owned Levelled	12.5 acres
Others Land Levelled	50 acres



Interview in progress with the service provider

Name of Service Provider	Mumtaz Ahmad
Father Name	Abdullah
Tehsil & District	Hafizabad
Address	Wachoki Kalan, p/o Jourian Tehsil Hafizabad
Area Owned Levelled	5 acres
Others Land Levelled	70 acres



Interview in progress with the service provider

Name of Service Provider	Shahid Iqbal
Father Name	Munir Ahmad
Tehsil & District	Hafizabad
Address	Bhoon Kalan p/o Karyala Tehsil Hafizabad
Area Owned Levelled	8 acres
Others Land Levelled	215 acres



Interview in progress with the service provider

Name of Service Provider	Samia Begum
Father Name	Iftikhar Ahmad
Tehsil & District	Hafizabad
Address	Thatha Kharlan p/o Manget Uncha Tehsil Hafizabad
Area Owned Levelled	40 acres
Others Land Levelled	500 acres



Name of Service Provider	Allah Rakha
Father Name	Muhammad Iqbal
Tehsil & District	Hafizabad
Address	Wachohki p/o Mattam, Tehsil & District Hafizabad
Area Owned Levelled	-
Others Land Levelled	-



Interview in progress with the service provider

Name of Service Provider	Usman Afzal Chatta
Father Name	Muhammad Afzal Chatta
Tehsil & District	Hafizabad
Address	Ahmad Pur Chatha Tehsil Hafizabad
Area Owned Levelled	10 acres
Others Land Levelled	150 acres



Name of Service Provider	Muhammad Fazal Ur Rehman
Father Name	Gull Muhammad
Tehsil & District	Sargodha
Address	Mari Tehsil Sargodha
Area Owned Levelled	4 acres
Others Land Levelled	200 acres



Name of Service Provider	Allah Yar
Father Name	Ahmad Yar
Tehsil & District	Sargodha
Address	Dherma Tehsil Sargodha
Area Owned Levelled	7 acres
Others Land Levelled	250 acres



Interview in progress with the service provider

Name of Service Provider	Muhammad Safdar
Father Name	Shah Muhammad
Tehsil & District	Sargodha
Address	Lak more Tehsil Sargodha
Area Owned Levelled	10 acres
Others Land Levelled	300 acres



Interview in progress with the service provider

Name of Service Provider	Saleh Muhammad
Father Name	Allah Yar
Tehsil & District	Sargodha
Address	Ajnala Tehsil Sargodha
Area Owned Levelled	10 acres
Others Land Levelled	400 acres



Interview in progress with the service provider

Name of Service Provider	Ahmad Hussain
Father Name	Noor Hussain
Tehsil & District	Sargodha
Address	Rakh Dharima Tehsil Sargodha
Area Owned Levelled	5 acres
Others Land Levelled	60 acres



Interview in progress with the service provider

Name of Service Provider	Sher Khan
Father Name	Ahmad Khan
Tehsil & District	Khushab
Address	Hadali Tehsil Khushab
Area Owned Levelled	10 acres
Others Land Levelled	200 acres



Interview in progress with the service provider

Name of Service Provider	Mansab Dar
Father Name	Ahmad Khan
Tehsil & District	Khushab
Address	Factory Area Block No. 29 Jauharabad
Area Owned Levelled	10 acres
Others Land Levelled	200 acres



Interview in progress with the service provider

Name of Service Provider	Muhammad Shameer
Father Name	Muhammad Ameer
Tehsil & District	Khushab
Address	Bijar Janobi Tehsil Khushab
Area Owned Levelled	8 acres
Others Land Levelled	200 acres



Interview in progress with the service provider

Name of Service Provider	Muhammad Ramzan
Father Name	Muhammad Khan
Tehsil & District	Khushab
Address	Botala Tehsil Khushab
Area Owned Levelled	5 acres
Others Land Levelled	100 acres



Interview in progress with the service provider

Name of Service Provider	Khushi Muhammad
Father Name	Atta Muhammad
Tehsil & District	Khushab
Address	TDA 4, Quaidabad
Area Owned Levelled	15 acres
Others Land Levelled	350 acres



Interview in progress with the service provider

Name of Service Provider	Muhammad Safdar
Father Name	Shah Muhammad
Tehsil & District	Khushab
Address	Choha Tehsil Khushab
Area Owned Levelled	5 acres
Others Land Levelled	150 acres



Interview in progress with the service provider

Name of Service Provider	Umer Daraz
Father Name	Muhammad Raza
Tehsil & District	Khushab
Address	hasan pur tiwana Tehsil Khushab
Area Owned Levelled	12 acres
Others Land Levelled	300 acres



Interview in progress with the service provider

Name of Service Provider	Ghulam Akbar
Father Name	Atta Muhammad
Tehsil & District	Khushab
Address	Roda Tehsil Khushab
Area Owned Levelled	12 acres
Others Land Levelled	300 acres



Interview in progress with the service provider

Date	25/01/2023
Name of Service Provider	Sher Khan
Father Name	Ahmad Khan
CNIC No.	38201-7968134-3
Contact No.	0306-6392422
Tehsil & District	Khushab
Address	Hadali Tehsil Khushab
Area Owned Levelled	10 acres
Others Land Levelled	200 acres



Interview in progress with the service provider

Name of Service Provider	Muhammad Imran
Father Name	Muhammad Sharif
Tehsil & District	Nankana Sahib
Address	Nankana Sahib
Area Owned Levelled	5
Others Land Levelled	450



Interview in progress with the service provider

Name of Service Provider	Muhammad Asim
Father Name	Muhammad Saleem
Tehsil & District	Shahkot & Nankana Sahib
Address	Chak no 82-RB
Area Owned Levelled	5
Others Land Levelled	200



Inspection of the PLL

Name of Service Provider	Zafar Iqbal
Father Name	Nazeer Ahmad
Tehsil & District	Nankana Sahib
Address	Ward no 07, Nankana sahib
Area Owned Levelled	6
Others Land Levelled	450



View of PLL

Name of Service Provider	Abdul Sattar
Father Name	Sardar Muhammad
Tehsil & District	Nankana Sahib
Address	Ward no 12, Nankana Sahib
Area Owned Levelled	8.5
Others Land Levelled	1200



Inspection of the PLL and Collect the Coordinates at the PLL Site

Name of Service Provider	Aitzaz Hussain
Father Name	Nazeer Ahmad
Tehsil & District	Shahkot & Nankana Sahib
Address	Kari wala
Area Owned Levelled	5
Others Land Levelled	500



Collect the data on ODK and observation from service Provider

Name of Service Provider	Ghulam Muhi Din
Father Name	Hassan Din
Tehsil & District	Sheikhupura
Address	Chak Shahpur
Area Owned Levelled	5
Others Land Levelled	900



Inspection of the PLL

Name of Service Provider	Muhammad Akhtar
Father Name	Niyamat Ali
Tehsil & District	Sheikhupura
Address	Moza Ammoke
Area Owned Levelled	10
Others Land Levelled	550



View of PLL Site

Name of Service Provider	Asad Ullah
Father Name	Denar Ahmad
Tehsil & District	Sheikhupura
Address	Thatha tahrarn p.o Tibi humbo
Area Owned Levelled	4
Others Land Levelled	700



Interview of the service Provider and also collect the Observation. he told that every yield of crop has been increased

Name of Service Provider	Mubarak Ali
Father Name	Ghulam Ali
Tehsil & District	Sheikhupura

Address	Ghangha
Area Owned Levelled	5
Others Land Levelled	500



Collect the Data and observation by service Provider and also notedown the condition of PLL.

Name of Service Provider	Shafqat Ali
Father Name	Muhammad Shafi
Tehsil & District	Sheikhupura
Address	St#06 Shumali Ghang road sheikhupura
Area Owned Levelled	7
Others Land Levelled	500



Interview of the service Provider at mid night and also Collect the observation

Name of Service Provider	Sajjad Ahmad
Father Name	Nazeer Ahmad
Tehsil & District	Sheikhupura
Address	Khokharki mallian
Area Owned Levelled	12
Others Land Levelled	700



View of PLL

Name of Service Provider	Muhammad Akram
Father Name	Khushi Muhammad
Tehsil & District	Sheikhupura
Address	Tibbi Humbo,chak 578 GB
Area Owned Levelled	12
Others Land Levelled	800



Interview of the service Provider

Name of Service Provider	Ali Asghar
Father Name	Muhammad Din
Tehsil & District	Kasur
Address	Nizam pur
Area Owned Levelled	8
Others Land Levelled	300



Service Provider Has been explain the issues faced by Company and told about yield.

Name of Service Provider	Bashir Ahmad
Father Name	Muhammad Shafi
Tehsil & District	Kasur
Address	Patto khurd

Area Owned Levelled	2.5
Others Land Levelled	1000
	
View of PLL	

Area Owned Levelled	5
Others Land Levelled	500
	

Condition of the PLL and also collect the Coordinates

Name of Service Provider	Abid Hussain
Father Name	Fareed Din
Tehsil & District	Kasur
Address	Fakeeriye wala
Area Owned Levelled	8
Others Land Levelled	250
	

Collect the Coordinates and also inspection the PLL.

Name of Service Provider	Muhammad Sharif
Father Name	Muhammad Iqbal
Tehsil & District	Mianchannu & Khanewal
Address	6315-L
Area Owned Levelled	
Others Land Levelled	
	

We were Checked the Condition of PLL and also collect the Coordinates on ODK.

Name of Service Provider	Muhabbat Ali
Father Name	Rehmat Ali
Tehsil & District	Kasur
Address	Gohar hither
Area Owned Levelled	11
Others Land Levelled	450
	

Name of Service Provider	Asghar Ali
Father Name	Muhammad Anwar
Tehsil & District	Khanewal
Address	70-10R tehsil khanewal
Area Owned Levelled	4.5
Others Land Levelled	800
	

Interview of the service Provider

Name of Service Provider	Zia Ullah Khan
Father Name	Haq Nawaz Khan
Tehsil & District	Khanewal
Address	29 -10R tehsil khanewal

Name of Service Provider	Amjad Hussain
Father Name	Muhammad Waryar
CNIC No.	3610420333861
Contact No.	03457073992

Tehsil & District	Khanewal
Area Owned Levelled	6
Others Land Levelled	200
	
<p><b>Interview of the service Provider About PLL.</b></p>	

Name of Service Provider	Muhammad Ibrahim
Father Name	Muhammad Ismail
Tehsil & District	Khanewal
Address	8385-10R Tehsil Khanewal
Area Owned Levelled	2.5
Others Land Levelled	700


<p><b>Checked the Condition of PLL and also collect the Coordinates.</b></p>

Name of Service Provider	Muhammad Abid Khan
Father Name	Khalil Ahmad
Tehsil & District	Jahania & Khanewal
Address	173-10R Tehsil Khanewal
Area Owned Levelled	5
Others Land Levelled	550



Name of Service Provider	Syed shaheen Haider
Contact No.	Khanewal
Tehsil & District	34-10R
Address	6
Area Owned Levelled	500
Others Land Levelled	



Name of Service Provider	Riaz Hussain
Father Name	Muhammad sharif Bajwa
Tehsil & District	Multan
Address	Chak no 13-MR ,UC Khanpur maryal
Area Owned Levelled	12.5
Others Land Levelled	500



**. Interview of the service Provider about PLL Progress**

Name of Service Provider	Khuda Buksh
Father Name	Muhammad Buksh
Tehsil & District	Multan
Address	Moza 9 Fiaz, post office Qadir pur lal
Area Owned Levelled	6
Others Land Levelled	300



**View of PLL where we had to collect the data.**

Name of Service Provider	Muhammad Aslam
Father Name	Allah Dad
Tehsil & District	Multan
Address	Qayan pur,p.o Rangeel pur
Area Owned Levelled	12
Others Land Levelled	1500



View of PLL

Name of Service Provider	Muhammad Arif
Father Name	Muhammad Suleman
Tehsil & District	Multan
Address	Qayan pur,p.o Rangeel pur
Area Owned Levelled	12
Others Land Levelled	580



View of PLL

Date	24/01/2023
Name of Service Provider	Shoukat Hussain
Father Name	Ameer Buksh
CNIC No.	3630309055965
Contact No.	03022593254
Tehsil & District	Multan
Address	Moza Gill,p.o Makhdoom Rashid
Area Owned Levelled	2.5
Others Land Levelled	1600



Interview of the service Provider

Name of Service Provider	Ghulam Rasool
Father Name	Nawab Din
Tehsil & District	Multan
Address	13-MR ,p.o Khanpur Maryal
Area Owned Levelled	7
Others Land Levelled	550



. Collect the overall data on notepad and also Collect the Observation

Name of Service Provider	Muhammad Iqbal
Father Name	Bashir Ahmad
Tehsil & District	Multan
Address	9-MR ,P.O MR, Tehsil Multan
Area Owned Levelled	10
Others Land Levelled	1400



View of PLL

Name of Service Provider	Umer Farooq Khan
Father Name	Sahib var
Tehsil & District	Lodhran
Address	Moza Ghulab wala
Area Owned Levelled	2.5
Others Land Levelled	500



Interview of the service Provider Regarding to PLL.

Name of Service Provider	Haq Nawaz
Father Name	Pearinditta
Tehsil & District	Lodhran
Address	Sadullah pur
Area Owned Levelled	10
Others Land Levelled	1250



Interview of the service Provider

Name of Service Provider	Abdul Malik
Father Name	Azam Ali
Tehsil & District	Lodhran
Address	Danwra
Area Owned Levelled	11
Others Land Levelled	700



View of PLL in the Field

Name of Service Provider	Mushtaq Hussain
Father Name	Muhammad Buksh
Tehsil & District	Lodhran
Address	Kamal pur jatyal
Area Owned Levelled	5
Others Land Levelled	1000



View of PLL

Name of Service Provider	Javed Iqbal
Father Name	Muhammad Sharif
Tehsil & District	Lodhran
Address	Wahi Dower khan
Area Owned Levelled	5
Others Land Levelled	300



Name of Service Provider	Talha naeem
Father Name	Muhammad Afzal
Tehsil & District	Lodhran
Address	89-M
Area Owned Levelled	12.5
Others Land Levelled	500



Name of Service Provider	Hazoor Ahmad
Father Name	Pearinditta
Tehsil & District	Lodhran
Address	Sadullah pur
Area Owned Levelled	
Others Land Levelled	



Interview of the service Provider

### FIELD OBSERVATIONS OF ME&IE CONSULTANTS

The field teams of consultants have certain observations while monitoring the operations of the intervention in the field. The observation regarding "Impact assessment" of the intervention were the results of "before" and "after" the use of the laser land leveler in field or comparison of "with use" and "without use" of the laser unit on a farm of a user.

Important observations regarding monitoring of the intervention are:

- i. Majority of service providers have started to rent out the laser units to fellow farms at their farms for leveling of fields. The rate for levelling are charged per acre and per hour varies depending upon the nature of soil.
- ii. Most of the service providers for Laser Units keep no record for its usage.
- iii. It was also noticed that some Laser Companies were delaying the supply of laser units as per schedule to the farmers.
- iv. The service providers/farmers have certain complaints which need immediate attention of OFWM department.
- v. The service providing companies of laser land levelers are only performing the roles of supplying laser units ignoring the role of providing repair / maintenance services and spare parts.
- vi. For the purpose of maintenance / repairs farmer has to travel long distances to avail such facilities by the concerned company.
- vii. The important observations regarding impact assessment are:

- viii. Reduction in water losses during the field application was significant after the use of laser.
- ix. Time saving in irrigating the field before levelled and after levelled has been significantly found.
- x. Reduction in labor utilization in sowing, cultural practices, irrigating fertilizers, harvesting has also been seen.
- xi. Easily sown and grown evenly seed linked with other practices provides noticeable push for increase in yield per acre of major crops. Income increase due to increase in yield per acre is expected to be higher than the cost of levelling the field.

### RECOMMENDATIONS:

- i. Laser supplying companies delaying the delivery of Laser units to farmers due to extra booking of units. Booking of maximum numbers should be fixed in accordance to their production capacity and allocate the area to companies for providing better after sale services.
- ii. After Sale service of laser supplying companies needs to be improved. Proper repair and maintenance should be provided at doorstep of farmers / LLL Service provider or at District level.
- iii. Out of total payment 10 % should be held of laser supplying companies for two years for properly provision of after sale services. Warranty may also be extended from two to five years from delivery date for laser land leveler units
- iv. Farmers/LLL Service Providers should be trained for record keeping and simple log book can be provided for this purpose.

#### 4.5.3 Coordination / Meetings of ME&IE Consultants Punjab Zone with Stakeholders

ME&IE consultants remained in regular contact with Stake holders / OFWM department regarding data collection and gathering information required for Midline Survey / Regular Monitoring. Consultants conducted meetings with relevant offices of the OFWM and other stakeholders.

Following meetings were held during this quarter:

**1) Meeting at Director General OFWM Office**

Date	January 02 ,2023
Venue	Director General OFWM Office Davis Road, Lahore
Participants	
-	Mr. Tahir Mehmood Focal Person of DGA OFWM/ DDA Headquarters OFWM
-	Mr. Muhammad Rafi System Analyst OFWM
-	Mr. Muhammad Yousaf Bhatti Deputy Team Leader Punjab ME&IE Consultants
-	Mr. Rizwan Saleem ICT Specialist ME&IE Consultants
-	Mr. Awais Jahangeer Focal Person to DGA OFWM office ME&IE Consultants
Meeting Agenda/Points discussed:	
-	Forum unanimously decided that fortnightly review meeting minutes & Monthly Monitoring/Progress report will be shared with FPMU endorsed by Focal Person of DGA OFWM.
-	ME&IE Consultants ensured the access on PMIS Dashboard by 3rd January 2022.
-	Deployment of Android Based Application for real time data collection from field & Capacity Building of OFWM Field staff will get finalized after the approval of DGA OFWM.



View of Meeting held in Director General (Agri)m OFWM Office

**2) Meeting at Director General OFWM Office**

Date	January 16 ,2023
Venue	Director General OFWM Office Davis Road, Lahore
Participants	
i.	Mr. Tahir Mehmood Focal Person of DGA OFWM/ DDA Headquarters OFWM
ii.	Mr. Muhammad Rafi System Analyst OFWM
iii.	Mr. Rizwan Saleem ICT Specialist ME&IE Consultants

iv. Mr. Awais Jahangeer Focal Person to DGA OFWM office ME&IE Consultants

Meeting Agenda/Points discussed:

- Forum unanimously finalized & approved the Data Collection format for Water Storage Ponds and Laser Land Leveler. (WSP format attached in annexure 1 & LLL format attached in annexure 2)
- ME&IE Consultants ensured to collect the complete data collection of Water Storage Ponds (as per approved format) from directorates OFWM with the cooperation of Department.
- Focal Person of DGA OFWM ensured the provision of LLL complete Data will be provided by Headquarters OFWM.
- Training Schedule for Lahore Division & Nomination List of Field Staff will be provided by Focal Person of DGA OFWM.

ME&IE Consultants ensured the Development of Android Based Application for data collection from field of WC & WST will be live before trainings.



View of Meeting held in Director General (Agri)m OFWM Office

**3) Meeting with DGA OFWM Punjab**

Date	January 17 ,2023
Venue	Director General OFWM Office Davis Road, Lahore
Participants	
i.	Malik Muhammad Akram Director General Agriculture OFWM Punjab
ii.	Mr. Tahir Mehmood Focal Person of DGA OFWM/ DDA Headquarters OFWM
iii.	Choudhary Saif Ullah Ejaz Authorized Representative of G3JV ME&IE Consultants
iv.	Mr. Awais Jahangeer Focal Person to DGA OFWM office ME&IE Consultants
Meeting Agenda/Points discussed:	
i.	ME&IE Consultants shared the Report on Data

Acquisition from field offices and directorates with DGA OFWM. On this matter DGA OFWM ensured their full support from all field offices.

ii. DGA OFWM emphasized on the importance of impact reports, special reports on water saving & project outcomes.

iii. Authorized Representative of G3JV ME&IE Consultants ensured the close coordination with DGA OFWM Office & Focal Person of DGA OFWM in the future.



View of Meeting held with Director General (Agri) OFWM

#### 4) Meeting with Deputy Director Agriculture OFWM Faisalabad

Date	20-01-2023
Venue	DDA & ADA (OFWM) Office Faisalabad

##### Participants

- i. Dr. Muhammad Asif DDA Agri. (OFWM) Faisalabad
- ii. Asim Munir ADA Agri. (OFWM), Tehsil Faisalabad.
- iii. Awais Jahangeer FTI ME&IE Consultants
- iv. Sohail Ahmad FTE ME&IE Consultants

##### Meeting Agenda/Points discussed:

- Discussion regarding the progress of Laser Land Levelers in the district Faisalabad



Meeting in progress of Laser Land Levelers in the District & Tehsil Faisalabad

#### 5) Meeting with Assistant Director Agriculture OFWM Samundri

Date	21-01-2023
Venue	ADA (OFWM) Office Samundri

##### Participants

- i. ADA Agri. (OFWM), Tehsil Samundri.
- ii. Mr. Mazhar Iqbal Qureshi
- iii. Awais Jahangeer FTI ME&IE Consultants NPIWC-II
- iv. Sohail Ahmad FTE ME&IE Consultants NPIWC-II

##### Meeting Agenda/Points discussed:

- Discussion regarding the progress of Laser Land Levelers in the Tehsil Samundri. The constraints were also highlighted in the meeting.



Meeting in the progress of Laser Land Levelers in the Tehsil Samundri

#### 6) Meeting with Assistant Director Agriculture OFWM Jhang

Date	23-01-2023
Venue	DDA & ADA (OFWM) Office Jhang

##### Participants

- i. Waheed Uz Zaman Deputy Director of Agriculture (OFWM District and Tehsil Jhang)
- ii. Assistant Director (OFWM) Aamir Jamil District and Tehsil Jhang
- iii. Awais Jahangeer FTI ME&IE Consultants NPIWC-II
- iv. Sohail Ahmad FTE ME&IE Consultants NPIWC-II

##### Meeting Agenda/Points discussed:

- Progress of the project activities.
- Basic Data Collection of PLL units
- Issue faced by the farmer regarding PLL
- Seek the cooperation/coordination of field staff



Meeting in the progress of Laser Land Levelers in the district & Tehsil Jhang

### 7) Meeting with Deputy Director Agriculture and ADA OFWM Toba Tek Singh

Date	24-01-2023
Venue	DDA & ADA (OFWM) Office Toba Tek Singh
Participants	
i.	Farhana Jamil Deputy Director of Agriculture (OFWM) Toba Tek Singh
ii.	Asif Ali Assistant Director (OFWM), Toba Tek Singh
iii.	Awais Jahangeer FTI ME&IEC NPIWC-II
iv.	Sohail Ahmad FTE ME&IE Consultants NPIWC-II
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>Discussion regarding the progress of Laser Land Levelers in the district &amp; Tehsil Toba Tek Singh</li> <li>Seek the cooperation/coordination of field staff</li> </ul>	
 <p>Meeting in the progress of Laser Land Levelers in the district &amp; Tehsil Toba Tek Singh</p>	



### 9) Meeting With Deputy Director Agriculture OFWM Sahiwal

Date	26-01-2023
Venue	DDA (OFWM) Office Sahiwal
Participants	
i.	Muhammad Shafique Deputy Director of Agriculture (OFWM), Sahiwal
ii.	Awais Jahangeer FTI ME&IE Consultants NPIWC-II
iii.	Sohail Ahmad FTE ME&IE Consultants NPIWC-II
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>Discussion regarding the progress of Laser Land Levelers in the the District &amp; Tehsil Sahiwal</li> <li>Basic Data Collection of PLL units</li> <li>Issue faced by the farmer regarding PLL</li> </ul>	



### 8) Meeting With Assistant Director Agriculture OFWM Burewala

Date	25-01-2023
Venue	ADA (OFWM) Office Burewala
Participants	
i.	Aamir Shabbir Assistant Director (OFWM), Burewala
ii.	Awais Jahangeer FTI ME&IE Consultants NPIWC-II
iii.	Sohail Ahmad FTE ME&IE Consultants NPIWC-II
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>Discussion regarding the progress of Laser Land Levelers in the Tehsil Burewala</li> <li>To review the progress of project in the respective area and basic data sampled interventions.</li> <li>Seek the cooperation/coordination of field staff</li> </ul>	

### 10) Meeting with Assistant Director (Agri) OFWM Okara

Date	27-01-2023
Venue	ADA (OFWM) Office Okara
Participants	
i.	Muhammad Younas Asstt. Dir. Agri. (OFWM), Okara
ii.	Awais Jahangeer FTI ME&IEC NPIWC-II
iii.	Sohail Ahmad FTE ME&IE Consultants NPIWC-II
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>Discussion regarding the progress of Laser Land Levelers in the the District &amp; Tehsil Okara</li> <li>Basic Data Collection of PLL units</li> <li>Issue faced by the farmer regarding PLL</li> <li>Review of OFWM, Activities in Punjab zone</li> </ul>	



Meeting in the progress of Laser Land Levelers in the the district & Tehsil Okara



Meeting in progress regarding the PLL of the districts

**11) Meeting with Deputy Director Agriculture & ADA OFWM Sialkot**

Date	19-01-2023
Venue	DDA & ADA (OFWM) Office Sialkot
Participants	
-	Muhammad Imran DDA Agri. (OFWM) Sialkot
-	Muhammad Asif ADA Agri. (OFWM) Sialkot
-	Muhammad Misbah ur Rehman FTE ME&IE Consultants NPIWC-II
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>Discussion regarding the progress of Laser Land Levelers in the district Sialkot</li> <li>To review the progress of project in the respective area</li> <li>Seek the cooperation/coordination of field staff</li> </ul>	



Meeting in progress regarding the PLL of the districts

**12) Meeting With Assistant Director Agriculture OFWM District Gujranwala Tehsil Wazirabad**

Date	21-01-2023
Venue	ADA (OFWM) Office Wazirabad
Participants	
i.	Aaftab Ahmad Asstt. Dir. Agri. (OFWM), Wazirabad
ii.	Muhammad Misbah ur Rehman FTE ME&IE Consultants NPIWC-II
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>Discussion regarding the progress of Laser Land Levelers in the district Gujranwala</li> <li>Progress of the project activities.</li> <li>Basic Data Collection of PLL units</li> <li>Issue faced by the farmer regarding PLL</li> </ul>	



Meeting in progress regarding the PLL of the districts

**13) Meeting With Deputy Director Agriculture % ADA OFWM Office Hafizabad**

Date	23-01-2023
Venue	DDA & ADA (OFWM) Office Hafizabad
Participants	

i.	Zahid Hussain Deputy Director of Agriculture (OFWM)
ii.	Zafar Iqbal Asstt. Dir. Agri. (OFWM), Hafizabad
iii.	Muhammad Misbah ur Rehman FTE ME&IE Consultants NPIWC-II
Meeting Agenda/Points discussed:	

<ul style="list-style-type: none"> <li>Discussion regarding the progress of Laser Land Levelers in the district Hafizabad</li> <li>Review field activities of ME &amp; IE Consultants</li> <li>Briefing of ME &amp; IE Consultants on project activities.</li> <li>To review the progress of project in the respective area and basic data sampled interventions.</li> <li>Seek the cooperation/coordination of field staff</li> </ul>	
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Meeting in progress regarding the PLL of the districts

**14) Meeting With Assistant Director Agriculture OFWM Sargodha**

Date	24-01-2023
Venue	ADA (OFWM) Office Sargodha
Participants	
i.	Umar Hayat Bhatti Asstt. Dir. Agri. (OFWM), Sargodha Muhammad Misbah ur Rehman FTE ME&IE Consultants NPIWC-II
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>Discussion regarding the progress of Laser Land Levelers in the district Sargodha</li> </ul>	

- Progress of the project activities.
- Basic Data Collection of PLL units
- Issue faced by the farmer regarding PLL



Meeting in progress regarding the PLL of the districts

**15) Meeting With Deputy Director Agriculture OFWM Khushab**

Date	25-01-2023
Venue	Deputy Director Agriculture (OFWM) Office Khushab
Participants	
i.	Aamir Shahzad Deputy Director of Agriculture (OFWM)
ii.	Zahid Khan Asstt. Dir. Agri. (OFWM), Khushab
iii.	Muhammad Misbah ur Rehman FTE ME&IE Consultants NPIWC-II
Meeting Agenda/Points discussed:	
•	Discussion regarding the progress of PLL of the district khushab
•	Review field activities of ME&IE Consultants
•	Seek the cooperation/coordination of field staff
Meeting in progress regarding the PLL of the districts	

**16) Meeting With Deputy Director Agriculture OFWM Nankana Sahib**

Date	19-01-2023
Venue	Deputy Director Agriculture (OFWM) Office Nankana Sahib
Participants	
i.	Zia ur Rehman DDA Agri. (OFWM) Nankana Sahib
ii.	Muhammad Bilal Sohail FTE ME&IEC NPIWC-II
iii.	Noman Rasheed FTE ME&IEC NPIWC-II
Meeting Agenda/Points discussed:	
•	Discussion regarding the progress of PLL of the district Nankana Sahib
•	Progress of the project activities.
•	Basic Data Collection of PLL units

- Issue faced by the farmer regarding PLL



Meeting in progress regarding the PLL of the districts

**17) Meeting With Deputy Director Agriculture OFWM Sheikhupura**

Date	20-01-2023
Venue	Deputy Director Agriculture OFWM Office Sheikhupura
Participants	
i.	Adeeb Faisal DDA Agri. (OFWM) Sheikhupura
ii.	Muhammad Bilal Sohail FTE ME&IEC NPIWC-II
iii.	Noman Rasheed FTE ME&IEC NPIWC-II
Meeting Agenda/Points discussed:	
•	Discussion regarding the progress of PLL of the district Sheikhupura
Meeting in progress regarding the PLL of the districts	

**18) Meeting With Assistant Director Agriculture OFWM Kasur**

Date	21-01-2023
Venue	Assistant Director Agriculture OFWM Office Kasur
Participants	
i.	Attiq Ur Rehman ADA Agri. (OFWM) Sheikhupura
ii.	Muhammad Bilal Sohail FTE ME&IEC NPIWC-II
iii.	Noman Rasheed FTE ME&IEC NPIWC-II
Meeting Agenda/Points discussed:	
•	Discussion regarding the progress of PLL of the district Kasur
•	Briefing of ME & IE Consultants on project activities.
•	To review the progress of project in the respective area and basic data sampled interventions.



Meeting in progress regarding the PLL of the districts

#### 19) Meeting With Deputy Director Agriculture OFWM Khanewal

Date	23-01-2023
Venue	Deputy Director Agriculture OFWM Office Khanewal
Participants	
i.	Shahid Hussain DDA Agri. (OFWM) Khanewal
ii.	Muhammad Bilal Sohail FTE ME&IE Consultants NPIWC-II
iii.	Noman Rasheed FTE ME&IEC NPIWC-II
Meeting Agenda/Points discussed:	
•	Discussion regarding the progress of PLL of the district Khanewal
•	Progress of the project activities.
•	Basic Data Collection of PLL units
•	Issue faced by the farmer regarding PLL



Meeting in progress regarding the PLL of the districts

#### 20) Meeting With Deputy Director Agriculture OFWM Multan

Date	24-01-2023
Venue	Deputy Director Agriculture OFWM Office Multan
Participants	
i.	Ijaz Gul DDA Agri. (OFWM) Multan
ii.	Muhammad Bilal Sohail FTE ME&IEC NPIWC-II
iii.	Noman Rasheed FTE ME&IEC NPIWC-II
Meeting Agenda/Points discussed:	
•	Discussion regarding the progress of PLL of the



Meeting in progress regarding the PLL of the districts

#### 21) Meeting With Assistant Director Agriculture OFWM Lodhran

Date	25-01-2023
Venue	Assiatnat Director Agriculture OFWM Office Lodhran
Participants	
i.	Mudassar ADA Agri. (OFWM) Multan
ii.	Muhammad Bilal Sohail FTE ME&IE Consultants NPIWC-II
iii.	Noman Rasheed FTE ME&IE Consultants NPIWC-II
Meeting Agenda/Points discussed:	
•	Discussion regarding the progress of PLL of the district Lodhran
•	Progress of the project activities.
•	Basic Data Collection of PLL units
•	Issue faced by the farmer regarding PLL



Meeting in progress regarding the PLL of the districts

ME&IE Consultant's meetings with Various Stakeholders viz OFWM officers and Water Users Associations Chairmen/ Members are held as a regular feature for better understanding of the project affairs. During the month under review, the following meetings were held in Directorate General OFWM Headquarters and in other OFWM Directorates in the field.

**22) Meeting Held in Directorate General OFWM Lahore**

Date:	February 8, 2023
Venue:	Director General OFWM Office Davis Road, Lahore
Participants:	
i. Hafiz Qaisar Yasin Director Headquarters OFWM ii. Mr. Tahir Mehmood Focal Person of DGA OFWM/ DDA Headquarters (OFWM) iii. Muhammad Yousaf Bhatti Deputy Team Leader Punjab ME&IE Consultants iv. Mr. Awais Jahangeer Focal Person to DGA OFWM, ME&IE Consultants	
Discussion:	
i. Focal Person to DGA OFWM, ME&IE Consultants shared the data collection progress report for PMIS Dashboard. He briefed that data collection of watercourses and water storage ponds till now has been completed from all field offices & directorates of OFWM. The focal Person of DGA OFWM appreciated the efforts of ME&IE Consultants in completing the task ii. Furthermore, Focal Person to DGA OFWM, ME&IE Consultants added that data received from the field is under cleaning/validation process and it will be integrated into PMIS Dashboard till 15 <sup>th</sup> February 2023. He added ME&IE Consultants will give the presentation on PMIS Dashboard with extended features till 20 <sup>th</sup> February 2023 and all possible requirements of the department will be fulfilled. iii. Focal Person of DGA OFWM ensured the provision of initial data relevant to Laser Land Leveler (till up to date) at the earliest from headquarters as decided in the last meeting on 16 <sup>th</sup> January 2023. He further added the provision of detailed data on LLL as per the decided format may take time. On this matter Deputy Team Leader Punjab, ME&IE proposed that ME&IE Consultant's team can assist in the headquarters for collecting the data from files. iv. Focal Person to DGA OFWM, ME&IE Consultants presented the APK Android Based Application for the data collection of Watercourses & Water storage ponds from the field. He briefed that ME&IE Consultants developed the application as per decided tools	

and now the application is ready to implement.

- v. Focal Person to DGA OFWM discussed the field staff training schedule and the program is ready. Furthermore, he shared the tentative agenda & training module. DDA Headquarters responded that training will be started from Lahore Division and after testing of Android Based application & its implementation will move further to the next divisions. Further, he added after consultation with DGA OFWM & Director of Agriculture OFWM Lahore division, the date & time will be intimated later and all other necessary arrangements will be made.
- vi. DTL Punjab ME&IE Consultants asked for the provision of glimpses and event details relevant to NPIWC-II of the Punjab Component for the project's official website. The focal Person of DGA OFWM responded that the team is working on this matter and data will be provided positively by next week.
- vii. ME&IE Consultants appreciated the support of OFWM Directorates, Deputy Directors, Assistant directors, and field staff in recent field surveys with ME&IE Consultant's field teams for the LLL service provider & project beneficiary's interviews. Moreover, DTL Punjab shared the field observation/recommendations for improvement on the basis of recent field surveys and feedback from farmers.
- viii. Directorate Headquarters appreciated the work done by ME&IE Consultants for data collection and emphasized strong coordination among departments & consultants and this will bring win position for all stakeholders of the project.
- ix. ME&IE Consultants ensured to integrate of all data of WC&WSP collected from the field on the PMIS Dashboard till 15<sup>th</sup> February 2023.
- x. ME&IE Consultants will give detailed presentations on PMIS Dashboard till 20<sup>th</sup> February 2022
- xi. Focal Person of DGA OFWM will provide the initial data of LLL delivered till now by Tuesday 14<sup>th</sup> February 2023.
- xii. ME&IE Consultants will depute their field teams (if needed) to DGA OFWM Office for data collection of LLL from files at the request of the Focal Person of DGA OFWM.
- xiii. Focal Person of DGA OFWM will provide the date and training schedule after consultation positively by next week.
- xiv. Focal Person of DGA OFWM will provide glimpses and data for the project's official website positively by next week.



**View of Meeting held in Directorate General (Agri) OFWM Office**

#### Meeting held with Director, (Agriculture) OFWM Lahore Division

Date:	February 16, 2023
Venue:	Directorate (Agriculture) OFWM office Thokar Niaz Baig Lahore Division

##### Participants:

- i. Mr. Dr. Ahmad Bilal  
Director (Agri) OFWM Lahore Division
- ii. Azhar Mehmood  
Agri: Engineer Director (Agri) OFWM Lahore Division
- iii. Mr. Muhammad Yousaf Bhatti  
Deputy Team Leader ME&IE Consultants Punjab Zone
- iv. Mr. Awais Jahangeer  
Focal Person to D.G OFWM ME&IE Consultants Lahore

##### Discussion:

- i. The Deputy Team Leader ME&IE Consultants briefed about ME&IE Consultant's Activities in Lahore Division
- ii. The Focal Person to DGA OFWM ME&IE Consultants Agreed to share the Basic Intervention Data after necessary rectification. ME&IE consultants & OFWM officials both agreed on basic data rectification/validation for PMIS-Dashboard
- iii. The Focal Person of ME & IE Consultants also endorsed the suggestion from the Focal person to the DGA office that the training on Android-based application systems for the field staff will

be initiated from Lahore.

- iv. The Participants also share information on serving the Supplies Company's SCC in Lahore. The Consultants also share the Field Experience about Laser Land Leveler usage in the Field



**ME&IE Consultants meeting with Director OFWM Lahore Division Dr. Ahmed Bilal**

#### Meeting held with Director, OFWM Training Institute Lahore

Date:	February 16, 2023
Venue:	Director OFWM Training Institute office Thokar Niaz Baig Lahore.

##### Participants:

- i. Dr. Maqsood Ahmed  
Director OFWM Training Institute Lahore
- ii. Dr. Mazhar Ahmed  
Agromist: Training Institute Lahore
- iii. Mr. Muhammad Yousaf Bhatti  
Deputy Team Leader ME&IE Consultants Punjab Zone
- iv. Mr. Awais Jahangeer  
Focal Person to D.G OFWM, ME&IE Consultants Lahore

##### Discussion:

- i. A detailed discussion was held on the role of the OFWM Training institute. The Director fully explained the "Capacity building" strategy for enhancing land and water productivity.
- ii. Dr. Maqsood Ahmad explained the Institute's activities. He also briefed on the training of the operator of the laser land leveler under NPIWC-II. A note has also been added on institute role and training for operators of laser land levelers under National Program.
- iii. The ME&IE consultant team also shared certain issues of various interventions, particularly of the laser land leveler supply company.
- iv. The deputy team leader also extended certainly applicable suggestions regarding laser land leveler intervention.



The Consults Team discussing the role the of institute in NPIWC-II

### ON FARM WATER MANAGEMENT TRAINING INSTITUTE

The Canal irrigation system in Pakistan is one of the oldest and of unique nature. The water flow from the rivers to the canal/minors and through water channels reaches the farm for irrigating the field.

The water availability from the river has been estimated at 142-million-acre feet per annum. Against this quantum of available water, only 49 million acre-feet are available at farm gets for irrigating the crops. The remaining water is lost in one way or the other during water flow. In this regard the ON Farm Water Management (OFWM) training institute in Lahore was established during 1980, for training purposes to improve land and water resources productivity.

The institute has passed through certain phases but its activities spin around the capacity building in enhancing the productivity per drop of water.

Training at the institute is offered to local and international participants. Various types of trainings given at the institutes, include:

Non-development training for OFWM officers as basic pre-requirement for promotion from one grade to a higher grade. Courses are also offered for lower-grade persons. The staff members of other wings of the agriculture department also get benefits from such trainings.

Duration of such courses varies from 2 weeks to 6 weeks depending upon the nature of the course.

In-service training is also held for capacity building purposes from in survive OFWM and others departments from time to time.

Training for development Projects - Such trainings are comprising short courses like awareness - seminars, field training, farmer days, Refresher courses/ program, orchard management /water conservation in barani area etc.

Such facilities are extended to various stakeholders even the consultants. Training courses for operators

of laser land levelers under NPIWC-II are part of such fatalities.

Research activities relevant to water resources were also the part of this training institute. Since July 2022, such activities have been put under Director farms.

As a pioneer institutes of training for improving the water saving, the role of OFWM training institute, is of vital importance, not only in Punjab but also for the entire Pakistan.

### PROVISION OF LASER LAND LEVELING

Uneven farming fields are one of the main causes of water losses in field applications. According to some estimates such losses of water are more than 20% of the water available at the farm.

The leveled piece of lands besides providing water saving; also increase the land productivity and hence increase the crop yield and reduce the labor.

The various means of leveling of the field in the Punjab are:

- i. Bullock Driven leveler
- ii. Tractor Driven leveler
- iii. Tractor Scraper
- iv. Laser Land Leveler

As compared with other leveling technologies, the laser land leveling technology has been observed as highly beneficial. It saves irrigation water, irrigating time and efficiency of other agriculture inputs/practices. So, the productivity of land increases. The use of laser technology in leveling the field was introduced in the Punjab in 1985 through the On Farm Water Management program.

The Provision of laser land leveler is one of the important components of National Program of improvement of water courses (NPIWC-II), for improving the productivity of irrigation water. In the Punjab province 9500 Laser land leveler units are to be provided to the farmers on subsidized rates.

The participants of the training were from all prats of the Punjab province except Rawalpindi division where this intervention was not a component of the project in this area. Officers.

ME&IE Consultant's meetings with Various Stakeholders viz OFWM officers and Water Users

Associations Chairmen/ Members are held as a regular feature for a better understanding of the project affairs. During the month under review, the following meetings were held in Directorate General OFWM Headquarters and in other OFWM Directorates in the field.

The OFWM institute in one way or other serving the user/ owner/ services provider of this intervention, in its proper use.

Under the current National Program of improvement of water courses NPIWC-II, the OFWM training institute is also providing one-week training course. The training is being given to the service provider's [Owners] of laser land leveler or its nominee/ Driver at Lahore, Training Institute Lahore. During the training, the trainees are provided free meal and accommodation facilities at the institute. The training comprises of on campus training (for 2 days) and field training for about 3 days. About 20-25 participants are enrolled at a time from different districts of the Punjab.

The number of operators who have received trainings under NPIWC-II from the institute varies year to year as shown in the Table-4.5

#### Meeting Held in Directorate General OFWM Lahore

Date:	March 27, 2023
Venue:	Director General OFWM Office Davis Road, Lahore
Participants:	
i.	Mr. Tahir Mehmood Focal Person of DGA OFWM/ DDA Headquarters (OFWM)
ii.	Mr. Awais Jahangeer Focal Person to DGA OFWM, ME&IE Consultants Punjab Zone Lahore
Discussions/Decisions	
i.	Both participants discussed the existing situation of the project in detail.
ii.	Focal Person to DGA OFWM ME&IE Consultants inquired about the training schedule for the field staff on the android-based application to collect the data from the field. The focal Person of DGA OFWM proposed to conduct training by the end of April. It was agreed by ME and IE Consultants.
iii.	Focal Person of DGA OFWM/Deputy Director Headquarters suggested sending monthly progress reports directly to NPC Office without the endorsement of the DGA OFWM Punjab Office. It was also agreed by both participants.
iv.	Focal Person to DGA OFWM ME&IE Consultants requested regular meetings in DGA OFWM Office to share the progress of the project. The focal Person of DGA OFWM/DDA Headquarters responded on the matter positively.
v.	Participants discussed the project progress is stopped for the time being due to financial constraints and still previous liabilities are pending.



View of the Meeting held in Directorate General (Agri) OFWM Office

#### Internal Meetings

The internal meetings are held by the Deputy Team Leader with the field team members from time to time. In the meetings, general issues relevant to the Monitoring Tools and data collection are discussed. Overall progress is also part of the agenda to evaluate the performance. Futuristic goals and strategies are also planned to counter the

SR. NO	FINANCIAL YEAR	NOS.
1	2019-20	711
2	2020-21	1911
3	2021-22	2679
4	Total	5299

unprecedented problems.

By the grace of God, our field team has well managed with field work and successfully achieved the targets of all these interventions. For further strengthening the field activities and understanding of data collection / use of instruments (MTs) demonstration was also held through mock exercise

#### 4.6 ACTIVITIES KP ZONE – DURING REPORTING QUARTER

##### 1) Brief summary of the ME/IE consultants' activities of the Quarter January, February, and March 2023

During the quarter under-reference, the official activities of ME&IE consultants KP Zonal office were limited to the coordination/meetings with the OFWM Department KP and other official routine office activities. In addition to these, regular contacts were made with the District Directors of OFWM regarding the facilitation of our field teams. Several meetings with the Project coordinator were held regarding newly launched schemes in the year 2022-23 of Water Courses and Water Storage Tanks in KP.

##### 2) Tangible Achievement of the Quarter:

- i. Meetings with OFWM focal person/ district officers
- ii. Regular Monitoring and Impact Field visits
- iii. Baseline Phase-II field visits
- iv. Data cleaning and validation
- v. Data Editing/Uploading to the revised MTs
- vi. Coordination and meetings with OFWM focal person/ district officers for the missing data on the dashboard such as CNIC duplicates and Technical/ Social data etc.
- vii. Coordination with the department was done for Technical Sanctions issued for new schemes.
- viii. Prepared work plan and implemented for field visits
- ix. Collection, cleaning, and entering data for the OFWM dashboard.
- x. Writing of MMRs for the month of January, February, and March 2023

##### 3) Activities undertaken during the quarter of 2023.

#### SUMMARY OF ACTIVITIES KP ZONE

The major activities conducted by ME&IE consultants during the reported quarter were:

Updated Progress of ME&IE Consultants, KP Zone includes:

- Carried out field activities for collection of data for Baseline, Impact in KP and GB and Laser Land Leveling in DI Khan district.
- Meeting Android was carried out with Gilgit OFWM Offices for the collection of undergoing schemes. However, it was found that schemes were mostly completed under the NPIW

program. New schemes will be initiated when the Govt may allocate a budget.

- NPIWC-II KP all watercourse, and water storage tank schemes coordinate verification through Google Earth and identification of incorrect coordinates.
- One Day of refreshing training was held at Abbottabad for all Hazara division district officers on mobile application and taking coordinates through application for NPIWC-II project schemes.
- Drafted KP MMR report for the month of December, January and February.

During the reporting quarter, ME&IE Consultants in KP zone successfully completed the second baseline survey, covering a total of 192 water courses and 77 water storage tanks of both Phase-I and Phase-II. similarly, for data collection of the Impact survey in KP & GB 57 watercourses 21 WSTs and 5 PLL interventions were also visited. The detailed list of BSL-I&II survey visits till the reporting quarter is given as **Annex-F**.

#### **Achievements Against Outputs**

The KP team worked on data entry, location validation with GPS coordinates, and field visits for data collection and coordination in the month of January.

#### **Output 1 Baseline/Impact Survey of Watercourses, Water Storage Tanks, And Laser Land Levelling**

The monitoring / Baseline / Impact pertains to various interventions of the project viz improvement of watercourses, water user associations, construction of water storage tanks, and laser land levelers. Such surveys are carried out from time to time as a part of the regular activity of ME&IE Consultants. The data from the field about any activity of intervention are collected by field teams of ME&IE Consultants on an Android-based system. Such data are directly submitted from the field on the MIS/GIS system for further processing by the ICT department.

The brief feature of an intervention is given in this report under

- i. Field visits of target intervention.
  - Improvement of watercourses
  - Construction of water storage tank
  - Provision of laser land leveler
- ii. Meetings with field officers and staff of OFWM.
- iii. ME&IE Consultants' remarks regarding

### Monitoring And Feedback of Beneficiaries.

During the reported quarter, the KP Zonal team visited DI Khan and Gilgit Baltistan for baseline surveys and data collection of the targeted activities. Similarly during the current quarter, the KP team surveyed baseline activities for the Laser Land leveler in Dera Ismail Khan.

A total of five LLLs were visited, and the following were the main finding:

- i. Farmers were very happy with the provision of LLL and they said that they can now save 25% time in irrigation practices while this activity also reduces their electricity/diesel bills due to the flat and even surface of the farm.
- ii. Some 60% of farmers were providing the LLL to other farmers on a rental basis, while 20% of farmers said that they provide this service free of cost in terms that farmers may not have to pay for rent, they have to bear diesel and mobile-oil cost for tractor instead of cash payment. While the remaining farmers said that they did not provide the LLL due to the flood and its effects.
- iii. Farmers suggested that Govt may provide the tubewell and solar system to On Farm Water management for better execution. They criticized the other departments who are not working with appropriate dedication.

Many of the farmers said that due to the recent flood, their landholding was affected largely and they are now working for its restoration. They were quite happy with the provision of LLL services to them.



Visit to LLL of Mr. Junaid Khan



Visit to LLL of Mr. Malik Bahawal



Visit to LLL of Mr. Arsahad Khan



Visit to LLL of Mr. Arif



Visit to LLL of M. Ramzan

### Data Entry and GPS Validation

During the reported months KP Teams entered and validated the GPS locations for almost 2000 schemes of Balochistan and KP province. The activity was distributed among different team members in support of the IT team.

### Output 2: Monitoring of the Selected Watercourses.

The field team of the DIK region also monitored the LLL units being in the possession of the service

providers and reported through an online application.

### Output 3: Coordination Meetings

During the current reporting month, coordination and meetings have been carried out with the OFWM department of KP. The purpose of the coordination with them was to collect the GPS location-based data for dashboard completion and visits of teams to different destinations for baseline surveys. The OFWM directorate extended its usual support and provided all the relevant information. The team visited DIKhan and met with the focal person for LLL activities Mr. Salman Shahsawar. Who visited the team in all the regions and provided his utmost support for the completion of the task. It was however revealed by him that they started to distribute the LLL Units in June 2022 and none of them have passed the 1 year time period.

<b>Date</b>	19-1-2023
<b>Venue</b>	Water Management and Irrigation department
<b>Participants</b>	
i.	DG Fazl ur Rahman, Gilgit
ii.	Engr. Iftikhar, Gilgit
iii.	FTI Mahmood, KP Team
iv.	FTI Rizwan Suleman, Punjab Team
v.	Irfan Aziz, ICT Team.
<b>Meeting Agenda/Points discussed:</b>	
i.	Collection of the data for the Dashboard of NPIWC-II
ii.	Collection of data for baseline activities.
<b>The outcome of the meeting:</b>	
Officials from Gilgit Baltistan refused to provide any data to ME&IE teams. They said that such coordination must have prevailed since the start and now they are not ready to cooperate in the middle of the project.	
 <p>Meeting with Mr. Fazal Ur Rahman DG (OFWM) Gilgit Baltistan</p>	

<b>Date</b>	20-1-2023
<b>Venue</b>	Water management department Dera Ismail Khan
<b>Participants</b>	
i.	Mr. Salman Shah Sawar
ii.	Muhammad Bilal, FTI
iii.	Arsalan Bashir, Field team member
<b>Meeting Agenda/Points discussed:</b>	
i.	Collection of the distribution data of LLL to farmers of Dera Ismail Khan
ii.	Field visits for baseline surveys.
<b>The outcome of the meeting:</b>	
Mr. Salman (the focal person for LLL at DIK) told the visiting team that they have distributed 50 LLLs to farmers from June 2022. He said that yet none of the LLLs has completed a one-year time frame. Upon request, he called different service providers and supported the ME&IE team in organizing the field survey. It was told by him that due to flood activities and crops in the field, most of the service providers didn't start the leveling activities in their area as well as neighboring farmers. However, they believe that with the cutting of wheat in March-April they will begin to level the farms with speed.	
 <p>Meeting with Mr. Salman (OFWM) DIK focal person for LLL activities</p>	

<b>Date</b>	30-1-2023
<b>Venue</b>	Peshawar OFWM office
<b>Participants</b>	
i.	DG (Javed Iqbal Khattak) OFWM
ii.	Focal Person (Hayat Khan)
iii.	Asif Director Training,
iv.	Naseeb ur Rehman Director HQ and
v.	IT staff (Mehboob Alam)
vi.	Fawad Ahmad, IT, NPIW
vii.	Rizwan Saleem, ICT specialist
<b>Meeting Agenda/Points discussed:</b>	
i.	Dashboard data management
ii.	Missing parameters in data, and
iii.	Incorrect coordinates

#### Outcome of the meeting:

DG advised to call a meeting of all The District Officials and other focal persons. The meeting was held at the Directorate of OFWM under the supervision of DG OFWM on /1/2023.

DG advised NPIW consultants to assess the knowledge of OFWM staff to identify gaps and shortcomings in managing the collection of GPS coordinates.

Shortcomings were shared with staff and it was finalized to hold trainings at the Regional level to build the capacity of OFWM field staff.



Meeting with DG OFWM and Focal Person

#### Output 4: Capacity Building of ME&IE Consultants and Ofwm Staff On Android Application

During the current reporting month, formal training was imparted to OFWM officials. However, continuous support was provided to OFWM officials on the telephone for any issue while operating the Android system and/or data collection process.

The IT team carried out a one-day visit to Charsadda and assessed the understanding of field staff for the utilization of an Android app to collect the data of GPS coordinates. It was found that there was some negligence from the OFWM staff in collecting GPS coordinates, which was planned to be overcome.



Gap identification of OFWM field staff at Charsadda



Gap identification of OFWM field staff at Charsadda



Training of OFWM Regional staff at Abbottabad

One Day of refreshing training was held at Abbottabad for all Hazara division district officers on android mobile application and taking coordinates through application for NPIWC-II project schemes. The gaps were filled in the understanding of the field teams of OFWM and ensured that they may follow the principles of the data collection in the near future for better data gathering.

### REFRESHER TRAININGS:

One Day of refreshing training was held at Central, Northern, and Southern zones of KP for district officers on Android mobile application and taking coordinates through application for NPIWC-II project schemes. The training was given to the On-Farm Water Management officers from all Khyber Pakhtunkhwa districts. The training was given at the following zonal level where district officers of 35 districts were invited:

1. Peshawar (Central)
2. Swat (North)

### 3. Abbottabad (North)

### 4. Bannu (South)

The purpose of the training was to enhance the capacity building of district officers on “Data Collection through Android Application”. Also, district officers were mobilized on how to take coordinates from this application against each scheme and verify it.

The status of data submission and missing data of all schemes on the “PMIS Dashboard” was shared with each district during training, so they can complete and verify the data with actual data.

### TRAINING IN THE DIRECTORATE OF OFWM, PESHAWAR

Following is the list of participants who participated in the training.

#### Zones 1: Central Zone

**Venue:** Directorate of OFWM, Peshawar

**Date:** February 6, 2023.

Table -1: List of officials who got training in the Directorate of OFWM, Peshawar (Central Zone)

S.NO.	NAME	DESIGNATION	DISTRICT
1.	Umar Farooq	Sub-Engineer	Mardan
2.	Rafaqat Hussain	Sub-Engineer	Kohat
3.	Sohail Qureshe	Sub-Engineer	South Waziristan
4.	Akhyar Alam	Computer Operator	Nowshera
5.	Muneer Iqbal	WMO	Swabi
6.	Aslam Khan	Sub-Engineer	Swabi
7.	Muhammad Idress	District Officer	Khyber
8.	Afaq Ali	Engineer	Nowshera
9.	Nauman Adil	WMO	Charsadda
10.	Arman Ullah	Junior Clerk	Orakzai
11.	Tahir Khan	Sub-Engineer	Charsadda
12.	Wakil Khan-	Sub-Engineer	Peshawar

#### Zone 2: North Zone

**Venue:** Agriculture Farm Services Centre Amankot, Mingora Swat

**Date:** February 7, 2023.

Table 4. 4: List of officials who got training in Agriculture Farm Services Centre Amankot, Mingora Swat (North Zone)

S.NO.	NAME	DESIGNATION	DISTRICT
1.	Zia Ullah	Sub-Engineer	Swat
2.	Harindar Kumar	Sub-Engineer	Swat
3.	Shahid Khan	Sub-Engineer	Swat
4.	Asif Khan	Sub-Engineer	Shangla
5.	Anwar Ali	Sub-Engineer	Wat
6.	Asif Irshad	Computer Operator	Lower Chitral
7.	Rahmat Ullah	Sub-Engineer	Dir Lower
8.	Salim Javed	Engineer/WMO	Dir Lower
9.	Nazir Jan	Sub-Engineer	Dir Lower
10.	Fawad Ali	Sub-Engineer	Bajaur

S.NO.	NAME	DESIGNATION	DISTRICT
11.	Muhammad Niaz Khan	Sub-Engineer	Swat
12.	Sher Shah	Computer Operator	Charsadda/Swat
13.	Naveed Ahmad	Sub-Engineer	Bunner
14.	Rahim Badshah	Sub-Engineer	Swat
15.	Abdullah	WMO	Swat
16.	Asif Iqbal	Computer Operator	Dir Lower
17.	Dr. Rafiq ur Rehman	District Officer	Dir Upper
18.	Shujat Ali Khan	Sub-Engineer	Swat
19.	Sardar Ali	Sub-Engineer	Malakand
20.	Muhammad Shuaib	WMO	Malakand
21.	Shakil Ahmad	Sub-Engineer	Malakand

**Zone-3: South Zone**

**Venue:** District Office OFWM, Bannu

**Date:** February 09, 2023.

Table 4. 5: List of officials who got training in District Office OFWM, Bannu (South Zone)

S.NO.	NAME	DESIGNATION	DISTRICT
1.	Faisal Rafiq	Senior Clerk	Bannu
2.	Muhammad Adil Aman	Junior Clerk	Tank
3.	Sami Ullah	WMO	Lakki Marwat
4.	Kifayat Ullah	Sub-Engineer	Bannu
5.	Munir Alsam	Sub-Engineer	Karak
6.	Ihsan Ullah Khan	District Officer	Kurram
7.	Aman Ullah Khan	Computer Operator	North Waziristan
8.	Bakht Niaz Khan	Computer Operator	Bannu
9.	Waheed Ullah	Sub-Engineer	Bannu
10.	Waheed Ullah	Sub-Engineer	Tank
11.	Masood Khan	Sub-Engineer	Bannu
12.	Abdul Rashid	Sub-Engineer	Hangu
13.	Salman Hidayat	Senior Clerk	Dera Ismail Khan
14.	Qayyum Khan	District Officer	Bannu
15.	Muhammad Khalid Khan	Water Management Officer	Bannu

During the quarter of January, February, and March 2023 the focus was on liaison with the Directorate of OFWM KP and its respective District Director who were involved in project activities of NPIWC-II in different parts of the province. It is important to mention here that both physical and digital communications were made with the officials of the OFWM Department. At the request of the Focal person of the NPIWC-II, refresher training was imparted to officials of the OFWM Department in different zones of KP. These zones include; Central zone, Northern zone, and Southern zone. During these trainings more than 50 (Fifty) staff members were trained in different zones. Details of this training can be seen in the MMR of February 2023.

#### 4.7 ACTIVITIES BALOCHISTAN ZONE – DURING REPORTING QUARTER

##### 1) Quarterly Monitoring Report of Balochistan Zone

The report in hand, “Quarterly Monitoring and Evaluation Report for the period of 01<sup>st</sup> January 2023 to 31<sup>st</sup> March 2023” is comprising different activities done by ME&IE Consultants, Balochistan as list below:

- Detail of Field Visits
- Audit of ME&IE Consultants (Balochistan Zone)
- Impact Assessment Survey & visits of Laser Land Leveler (LLL)
- Detail of visits of 07 Divisional Head Quarters, covered all Divisions of Balochistan to collect data for Dashboard, Balochistan.
- Updated progress of data validation by OFWM Staff.
- Meetings
- Tentative Work Plan – Balochistan Zone.

##### 2) UPDATED PROGRESS OF ME&IE CONSULTANTS - BALOCHISTAN.

##### OVERALL PROGRESS:

The ME&IE Consultants, Balochistan, have monitored 17 sites during the pre-testing of Monitoring Tools in different months. A total of 13

sites were monitored during executive visits with high officials. The ME&IE Consultants, Balochistan have conducted two baseline surveys, the first was conducted in 2021 and the second was conducted in 2022-23. A total of 149 sites were monitored during the baseline surveys i.e., 61 Watercourses and 88 Water Storage Tanks. The ME&IEC, field teams monitored 07 sites of PLL out of 34 total sites; the percentage of monitored sites is 20%. During the reporting month 07 PLL 01 watercourse and 08 WST schemes have been visited for Impact Assessment Survey. The Impact Assessment Survey was conducted in the 2022-23 in which till reporting month 61 watercourse and 85 WSTs were visited for data collection. Regular monitoring/spot-checking is another important activity of ME&IE Consultants. The Balochistan field teams have so far monitored more than 77 Watercourses and 101 Water Storage Tanks in regular monitoring/spot checking. During the reporting quarter, an impact survey of 9 water courses, 30 WSTs and 7 PLLs were conducted. The updated status of the total activities done is given in the table below:

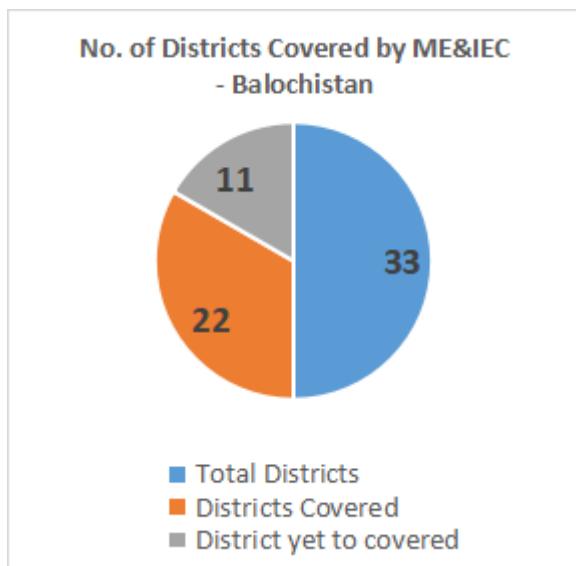
Summary of District-wise Baseline & Impact Survey field visits till reporting quarter

District	Baseline Survey		Impact Survey		PLL	Total Visit
	WC	WST	WC	WST		
Jaffarabad	3	-	3	-	4	10
Jhal Magsi	1	4	1	4	-	10
Kachi	2	10	2	10	-	24
Kalat	3	4	3	4	-	14
Khuzdar	3	7	3	7	-	20
Killa Abdullah	7	2	3	2	-	14
Killa Saifullah	-	4	4	4	-	12
Loralai	3	7	3	7	-	20
Mastung	5	8	5	8	-	26
Musakhail	1	1	1	1	-	4
Nasirabad	9	6	9	6	-	30
Nushki	2	1	2	1	-	6
Pishin	2	9	2	9	-	22
Quetta	3	15	3	12	-	33
Sherani	2	2	2	2	-	8
Sibi	1	3	1	3	-	8
Sohbatpur	10	-	10	-	3	23
Zhob	2	1	2	1	-	6
Ziarat	2	4	2	4	-	12
<b>Total</b>	<b>61</b>	<b>88</b>	<b>61</b>	<b>85</b>	<b>7</b>	<b>302</b>

#### Districts Covered:

There are 33 districts in Balochistan, 02 more districts have been notified but their administrative setup yet to be functional. The Balochistan Team has planned to cover all Balochistan as each district has different agriculture setup. All districts have different crops, vegetable, fruits based on their different climate and soil types. Some districts i.e., Quetta, Ziarat, Kalat, Muslim Bagh have extreme cold weather while some districts i.e., Sibi, Naseerabad, Jaffarabad, Sohbatpur, Lasbella lies in extreme hot weather. Due to this reason ME&IEC, Balochistan have planned to cover all Balochistan to give a complete picture of cropping pattern and its intensity, social and gender data, water situation, cost production etc., to make more authentic data

The Balochistan Zonal field teams have monitored the sites of 22 districts of 33 districts, the remaining 11 districts to be covered in upcoming months.



#### AUDIT OF ME&IE CONSULTANTS, BALOCHISTAN ZONE.

An audit team of client visited the ME&IE Consultants, Zonal office, Quetta from 23<sup>rd</sup> to 24<sup>th</sup> January 2023 to check the assets, inventory lists, personal files, equipment, etc., and physical verification of staff.

The audit team was consisting i.e., Mr. Kareem, Mr. Soaib Kundi, Mr. Farhan Kakar from FPMU, Islamabad, and Mr. Sajid Ali, Agriculture Officer, DG, Office, Quetta.

The visit was a comprehensive review of the project's assets and physical verification of staff to ensure they are in compliance with Contract Agreement.

The Team met with staff, visited the entire office, reviewed the personal files and attendance register, etc. The ME&IE Consultants now believe that client will be cleared of all long pending bills/invoices which will be an important step in ensuring the organization's financial stability. There is enormous pressure of vendors on consultants to clear their bills which are pending since the inception of the project.

#### IMPACT ASSESSMENT SURVEY OF LASER LAND LEVELER – BALOCHISTAN

The provision of Laser Land Leveler is an important intervention of the NPIWC-II. The enhancement of water productivity at the farm level is the most appropriate solution to redress water scarcity. Laser land leveling is the best option for improving water productivity by minimizing water application losses. The use of Laser technology for this purpose is the latest development, which was introduced in the country in 1985. On average Laser Land Leveler has the capacity of doing precision land leveling of about 300 acres per annum.

The aim of this component was to strengthen LASER land leveling services through the provision of Laser Land Leveling Units to farmers/service providers on 50% subsidized rates (one-time financial assistance of Rs. 250,000/-, while the beneficiary farmer would contribute the entire remaining cost of the equipment).

As per PC-1 the LLL targets for Balochistan were:

LASER LAND LEVELING (NUMBERS)					
Year-1	Year-2	Year-3	Year-4	Year-5	Total
200	350	400	400	150	1,500

The OFWM, Balochistan has provided 34 LLL to the farmers in the last three years.

The Balochistan field team conducted an impact survey of LLL, the detail of visits is given below:

#### VISIT-1

Date	23/01/2023
District	Jaffarabad
Tehsil	Jhat Pat
Name of Scheme / Farmer	Sher Khan
Company Name (Providing LLL)	Amjad Brothers Zarai Industries
Model of machine	CLS 3000
Quality (as per farmer)	Satisfactory
Coordinates	68.4011377 28.5043908

Culturable Command Area	10 Acre
Land Leveled "Owner"	10 Acre
Land Leveled "Others"	100 Acre
No. of farmers served	6 Farmers
Duration of LLL used	1 Month
Impact - Irrigation Time Decreased	Rice = 20% Wheat = 33%
Impact - Crop Yield Increased	Rice = 33% Wheat = 29%
General Observations	The farmer sent LLL to another district, and due to this reason, physical verification of LLL could not be done.
 <p>Meeting with Sher Khan about Laser Land Leveler, Tehsil Jhat Pat.</p>	

	to this reason, physical verification of LLL could not be done.
	 <p>Mr. Javeed Ali is being interviewed by ME&amp;IEC, field staff about LLL, Tehsil Jhat Pat</p>

### VISIT-3

Date	23/01/2023
District	Jaffarabad
Tehsil	Jhat Pat
Name of Scheme / Farmer	Ejaz Ali
Company Name (Providing LLL)	Amjad Brothers Zarai Industries
Model of machine	CLS 3000
Quality (as per farmer)	Satisfactory
Coordinates	68.3447343 28.3770417
Culturable Command Area	55 Acre
Land Leveled "Owner"	55 Acre
Land Leveled "Others"	250 Acre
No. of farmers served	22 Farmers
Duration of LLL used	2 Months
Impact - Irrigation Time Decreased	Rice = 33% Wheat = 33%
Impact - Crop Yield Increased	Rice = 33% Wheat = 36%
General Observations	The farmer sent LLL to another district, and due to this reason physical verification of LLL could not be done.

### VISIT-2

Date	23/01/2023
District	Jaffarabad
Tehsil	Jhat Pat
Name of Scheme / Farmer	Javeed Ali
Company Name (Providing LLL)	Amjad Brothers Zarai Industries
Model of machine	CLS 3000
Quality (as per farmer)	Satisfactory
Coordinates	68.3496091 28.3787233
Culturable Command Area	14 Acre
Land Leveled "Owner"	14 Acre
Land Leveled "Others"	150 Acre
No. of farmers served	12 farmers
Duration of LLL used	1.5 Month
Impact - Irrigation Time Decreased	Rice = 29% Wheat = 33%
Impact - Crop Yield Increased	Rice = 30% Wheat = 25%
General Observations	The farmer sent LLL to another district, and due



Mr. Ejaz Ahmed Magsi sharing his views about LLL, Tehsil Jhat Pat

**VISIT-4**

Date	23/01/2023
District	Jaffarabad
Tehsil	Jhat Pat
Name of Scheme / Farmer	Mohammad Kaleem
Company Name (Providing LLL)	Amjad Brothers Zarai Industries
Model of machine	CLS 3000
Quality	Satisfactory
Coordinates	68.2659517 28.4052517
Culturable Command Area	1500 Acre
Land Leveled "Owner"	0
Land Leveled "Others"	0
No. of farmers served	0
Duration of LLL used	0
Impact - Irrigation Time Decreased	Rice = 0% Wheat = 0%
Impact - Crop Yield Increased	Rice = 0% Wheat = 0%
General Observations	<p>The farmer could not use the LLL due to the non-availability of technical staff.</p> <p>The department is requested to give necessary training or assistance so that it could be used and the farmer takes benefits.</p>

**VISIT-5**

Date	24/01/2023
District	Sohbat Pur
Tehsil	Farid Abad

Name of Scheme / Farmer	Mohammad Hassan
Company Name (Providing LLL)	Amjad Brothers Zarai Industries
Model of machine	CLS 3000
Quality	Satisfactory
Coordinates	28.602299 68.4196574
Culturable Command Area	150 Acre
Land Leveled "Owner"	70 Acre
Land Leveled "Others"	0
No. of farmers served	0
Duration of LLL used	1 Month
Impact - Irrigation Time Decreased	Rice = 29% Wheat = 25%
Impact - Crop Yield Increased	Rice = 35% Wheat = 33%
General Observations	<ul style="list-style-type: none"> <li>Farmer was happy with this intervention.</li> <li>The LLL was not properly maintained</li> </ul>



Discussion with Mr. M Hassan about LLL, Tehsil Faridabad.

**VISIT-6**

Date	24/01/2023
District	Sohbat Pur
Tehsil	Farid Abad
Name of Scheme / Farmer	Ghulam Sabir
Company Name (Providing LLL)	Amjad Brothers Zarai Industries
Model of machine	CLS 3000
Quality (as per farmer)	Good
Coordinates	68.3603847 28.4432565
Culturable Command Area	500
Land Leveled "Owner"	200
Land Leveled "Others"	0
No. of farmers served	0

Duration of LLL used	2 months
Impact - Irrigation Time Decreased	Rice = 38% Wheat = 25%
Impact - Crop Yield Increased	Rice = 30% Wheat = 38%
General Observations	<ul style="list-style-type: none"> <li>Farmer was happy as his yield increased.</li> <li>Records were not properly maintained.</li> </ul>



View of LLL and meeting with Mr. Sabir, Tehsil Faridabad.

#### VISIT-7

Date	24/01/2023
District	Sohbat Pur
Tehsil	Farid Abad
Name of Scheme / Farmer	Mohiuddin
Company Name (Providing LLL)	Amjad Brothers Zarai Industries
Model of machine	CLS 3000
Quality (as per farmer)	Satisfactory
Coordinates	68.3494883 28.3792027
Culturable Command Area	120 Acre
Land Leveled "Owner"	80 Acre
Land Leveled "Others"	150 Acre
No. of farmers served	6 Farmers
Duration of LLL used	1 Month
Impact - Irrigation Time	Rice = 38%

Decreased	Wheat = 25%
Impact - Crop Yield Increased	Rice = 25% Wheat = 36%
General Observations	<ul style="list-style-type: none"> <li>Farmer was happy with the benefits of LLL</li> <li>Record was not maintained properly.</li> </ul>



Discussion with Mr. Mohiuddin about LLL, Tehsil Faridabad

#### VISIT OF 05 DIVISIONAL HEADQUARTER TO COLLECT THE DASHBOARD DATA – BALOCHISTAN

The ME&IE Consultants conducted of two days training/workshop regarding data collection through Android Application on 7<sup>th</sup> and 8<sup>th</sup> December 2022 in Quetta. It was observed the progress of data receiving was quite weak, in spite of several reminders. Therefore ME&IE Consultants planned a rush plan to visit all districts' headquarters to expedite the work and give them support and assistance too. The activity was carried out in a phased manner. In the first phase, ME&IE Consultants covered five Divisions i.e Quetta, Naseerabad, Sibi, Zhob and Loralai in the month of January 2023. The second phase was conducted in the month of February 2023 and covered remaining 03 divisions i.e. Kalat, Makran and Rakshan. In these activities, multiple meetings and data-feeding / data validation activities were conducted.

The detail of meetings is mentioned below:

Date	17 <sup>th</sup> January 2023
Venue	Zonal Office, Quetta
Participants	
i. Mr. Mukhtar Ahmed, DD, OFWM, Ziarat ii. Mr. Rizwan Ahmed, DTL, ME&IEC, Balochistan	
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>The DD, OFWM, Ziarat visited the Consultant's office at Quetta to discuss the data-feeding issues they are facing. The DTL provided him with an orientation on the android data collection application since he was unable to attend the training provided by</li> </ul>	

the IT Department of the Consultants.



View of an internal meeting held to finalize the visit plan to collect data for Dashboard, Balochistan

Date	25 <sup>th</sup> January 2023
Venue	Zonal Office, Quetta
Participants	
i.	Mr. Rizwan Ahmed, DTL, ME&IEC, Balochistan
ii.	Mr. Manzoor Kasi, Focal Person / FTI, ME&IEC.
iii.	Mr. Naseeb Jan, FTI, ME&IEC.
iv.	Mr. Basit Kakar, M&E Officer, ME&IEC
v.	Mr. Qaisar Tareen, M&E Officer, ME&IEC
vi.	Mr. Arsalan, M&E Officer, ME&IEC
vii.	Mr. Umair, M&E Officer, ME&IEC
viii.	Mr. Umair, Account Assistant, ME&IEC
ix.	Mr. Nazeer, Computer Operator, ME&IEC

Participants	
i.	Mr. Rizwan Ahmed, DTL, ME&IEC, Balochistan
ii.	Mr. Manzoor Kasi, Focal Person / FTI, ME&IEC.
iii.	Mr. Naseeb Jan, FTI, ME&IEC.
iv.	Mr. Basit Kakar, M&E Officer, ME&IEC
v.	Mr. Qaisar Tareen, M&E Officer, ME&IEC
vi.	Mr. Arsalan, M&E Officer, ME&IEC
vii.	Mr. Umair, M&E Officer, ME&IEC
viii.	Mr. Umair, Account Assistant, ME&IEC
ix.	Mr. Nazeer, Computer Operator, ME&IEC

Meeting Agenda/Points discussed:

- The DLT discussed the visit plan and assigned the task and timelines.
- FTIs shared visits plan with tentative expenses



View of the internal meeting held to finalize the visit plan to collect data for Dashboard, Balochistan

Date	25 <sup>th</sup> January 2023
Venue	Office of the DG, OFWM, Balochistan, Rani Bagh, Sariab Road, Quetta
Participants	
i. Mr. Wahab Kakar, DG, OFWM, Agriculture Department, Govt. of Balochistan, Quetta ii. Mr. Rizwan Ahmed, DTL, ME&IEC, Balochistan iii. Mr. Behram Mulghani, Focal Person, OFWM, Quetta	
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>• The DTL, ME&amp;IEC shared updated progress of data received from DDs on Dashboard, Balochistan</li> <li>• DTL, ME&amp;IEC shared the grievances of the consultant regarding the weak response of DDs regarding data validation on Dashboard, Balochistan</li> <li>• The DG, OFWM asked Focal Person, OFWM issue notices to all DDs to expedite the work and complete this task immediately, or else strict action will be taken by the department</li> </ul>	

Date	26 <sup>th</sup> January 2023
Venue	Office of the DG, OFWM, Balochistan, Rani Bagh, Sariab Road, Quetta
Participants	

i. Mr. Rizwan Ahmed, DTL, ME&IEC, Balochistan ii. Mr. Behram Mulghani, Focal Person, OFWM, Quetta iii. Mr. Naseeb Jan, FTI, ME&IEC Consultants
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Meeting Agenda/Points discussed:

- The DTL, ME&IEC shared a visit plan to five divisional headquarters with Focal Person to collect the data of Dashboard, Balochistan at district levels.
- The Focal Person promptly responded and informed the DDs about the planned visits by the ME&IEC
- The Focal Person assured the ME&IEC of full support from the department at all levels.



View of meeting with Focal Persona, OFWM, Quetta.

Date	26th January 2023
Venue	Office of the DD, Sibi
Participants	
i.	Mr. Barkat Buledi, DDA, OFWM, Sibi
ii.	Mr. Manzoor Kasi, Focal Person / FTI, ME&IE Consultants,
iii.	Mr. Qaisar Tareen, M&E Officer, ME&IE Consultants
iv.	Mr. Basit Kakar, M&E Officer, ME&IE Consultants.
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>The ME&amp;IE Consultants visited the office of DD, OFWM, Sibi twice to resolve the issues regarding data uploading.</li> <li>There were issues with the availability of data in the Sibi district, but the OFWM staff was advised to fill in the available data and resolve these issues with support of DG Office.</li> </ul>	



Group photo of OFWM and ME&IE Consultants staff at Sibi Office.

Date	26 <sup>th</sup> January 2023
Venue	Punjab Zonal Office Lahore
Participants	
i.	Mr. Rizwan Ahmed, DTL, ME&IEC, Balochistan
ii.	Mr. Imran, Agriculture Officer, OFWM, Pishin.
iii.	Mr. Umair, Account Assistant, ME&IEC
iv.	Mr. Nazeer, Computer Operator, ME&IEC
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>The OFWM staff of District Pishin visited the ME&amp;IE Consultants.</li> <li>The OFWM staff shared some issues they faced with data uploading, which were promptly resolved by the ME&amp;IEC team.</li> <li>The forum distributed the data entry works among OFWM and ME&amp;IE Consultants staff so that it could be completed on time.</li> </ul>	



View of a meeting held at Zonal office, Quetta.

Date	28 <sup>th</sup> January 2023
Venue	Office of the DDA, OFWM, Jaffarabad
Participants	
i.	Mr. Manzoor Kasi, Focal Person / FTI, ME&IE Consultants.
ii.	The Sub Engineer, OFWM, District Dera Bugti.
iii.	Mr. Qaisar Tareen, M&E Officer, ME&IE Consultants
iv.	Mr. Basit Kakar, M&E Officer, ME&IE Consultants.
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>The ME&amp;IEC field team met with the OFWM staff of district Dera Bugti to discuss the matter of the dashboard.</li> <li>The OFWM staff of the Sibi district shared the issues / problems faced during the data collection and uploading. The ME&amp;IEC staff resolve IT-related issues promptly.</li> </ul>	



View of a meeting of ME&IEC staff and OFWM staff, Dera Bugti

Date	29 <sup>th</sup> January 2023
Venue	Office of DD, OFWM, Kachi
Participants	
i.	Mr. Gohar Magsi, DD, OFWM
ii.	Mr. Manzoor Kasi, Focal Person / FTI, ME&IE Consultants,
iii.	Mr. Qaisar Tareen, M&E Officer, ME&IE Consultants
iv.	Mr. Basit Kakar, M&E Officer, ME&IE Consultants.
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>The ME&amp;IEC field team met with DD, OFWM, Gohar Magsi to discuss the issues regarding data collection of Dashboard, Balochistan.</li> <li>The ME&amp;IEC staff solve the issues raised by the DD and their staff, and now the data feeding process is in progress.</li> </ul>	



View of a meeting with DD, Gohar Magsi, and his staff



2023.01.27 17:38



2023.01.27 17:39

ME&IE Team Balochistan held a meeting with Deputy Director Loralai Mr. Muhammad Anwar, Deputy Director Musa Khail, Mr. Niamat Ullah, and Ex-Deputy Director Dukki Mr. Tika Khan at Divisional Head Quarter Loralai in terms of Data Validation for Dashboard and solve the issues hurdles being faced by them during data feeding via App in their respective Districts

Date	27 <sup>th</sup> January 2023
Venue	Office of the DD, OFWM, Loralai
Participants	
i.	Mr. Muhammad Anwar, DDA, OFWM, Loralai
ii.	Mr. Niamat Ullah, DDA, OFWM, Musakhail
iii.	Mr. Tika Khan, Ex DDA, OFWM, Dukki
iv.	Mr. Muhammad Raza, Agriculture Officer, District Sherani
v.	Mr. Naseeb Jan, FTI, ME&IE Consultants
vi.	Mr. Arsalan, M&E Officer, ME&IE Consultants.
vii.	Mr. Umair, M&E Officer, ME&IE Consultants.
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>The ME&amp;IEC field team met with DDs, OFWM, of District Loralai, and Musa Khail to discuss the issues regarding data collection of Dashboard, Balochistan.</li> <li>The ME&amp;IEC staff also met with Ex DD, OFWM, and Dukki to solve the data issued regarding his tenure.</li> <li>The DDs gave a very good response and now data feeding is in the progress in these districts.</li> </ul>	

Date	28 <sup>th</sup> January 2023
Venue	Office of the DDA, OFWM, Loralai
Participants	
i.	The OFWM Staff of District Loralai, Duki, and Musa Khail
ii.	Mr. Naseeb Jan, FTI, ME&IE Consultants
iii.	Mr. Arsalan, M&E Officer, ME&IE Consultants.
iv.	Mr. Umair, M&E Officer, ME&IE Consultants.
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>The ME&amp;IEC field team visited the office of the DD, Loralai regarding data collection of Dashboard, Balochistan.</li> <li>The OFWM staff of Duki and Musakhail also join this session and shared their problem faced during the data collection and uploading for the dashboard, Balochistan.</li> <li>The ME&amp;IE consultants solve these issues raised by the OFWM staff, and now the data</li> </ul>	

feeding process is ongoing.



in data uploading of the dashboard

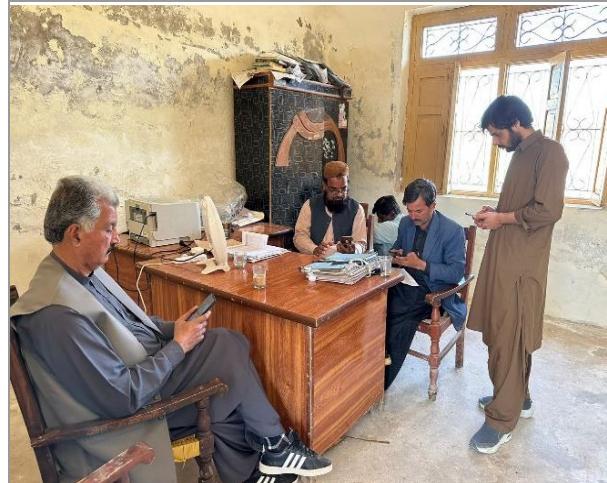


Meeting with DDA Jaffarabad and group photo of OFWM and Consultants staff

Date	28 <sup>th</sup> January 2023
Venue	Office of the DD, OFWM, Jaffarabad
Participants	
i.	Mr. Lal Jan, DDA, OFWM, Jaffarabad
ii.	Mr. Manzoor Kasi, Focal Person / FTI, ME&IE Consultants,
iii.	Mr. Qaisar Tareen, M&E Officer, ME&IE Consultants
iv.	Mr. Basit Kakar, M&E Officer, ME&IE Consultants.
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>The ME&amp;IEC field team met with the OFWM staff of district Jaffarabad to discuss the matter of the dashboard.</li> <li>The OFWM staff of the Jaffarabad district shared the issues / problems faced during the data collection and uploading. The ME&amp;IEC staff resolve IT-related issues promptly.</li> </ul>	



Date	29 <sup>th</sup> January 2023
Venue	Office of the DD, OFWM, Sohbatpur
Participants	
i.	Mr. Imdad, DDA, OFWM, Sohbat Pur
ii.	Mr. Manzoor Kasi, Focal Person / FTI, ME&IE Consultants,
iii.	Mr. Qaisar Tareen, M&E Officer, ME&IE Consultants
iv.	Mr. Basit Kakar, M&E Officer, ME&IE Consultants.
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>The ME&amp;IEC field team visited the office of the DD, Sohbatpur regarding data collection of Dashboard, Balochistan.</li> <li>The ME&amp;IE consultants solve these issues raised by the OFWM staff, and now the data-feeding process is ongoing.</li> </ul>	





Meeting with DDA Jaffarabad and group photo of OFWM and Consultants staff

Date	30 <sup>th</sup> January 2023
Venue	The Zonal Office, Quetta of ME&IE Consultants.

Participants
i. Mr. Rizwan Ahmed, DTL, ME&IEC, Balochistan
ii. Qari Basit, Sub Engineer, OFWM, Quetta
iii. Mr. Saleem Abro, M&E Officer, ME&IEC
iv. Mr. Umair, Account Assistant, ME&IEC
v. Mr. Nazeer, Computer Operator, ME&IEC

Meeting Agenda/Points discussed:
<ul style="list-style-type: none"> <li>A group session was held in the office of DTL, ME&amp;IEC, Quetta regarding data entry of Quetta district on the dashboard, Balochistan</li> </ul>
<ul style="list-style-type: none"> <li>The DTL, ME&amp;IEC distributed the data feeding task among OFWM and ME&amp;IEC staff so that the data feeding could be completed on time keeping in mind the lack of staff in the Quetta district.</li> </ul>



View of group session at zonal office, Quetta regarding dashboard activities

Date	30 <sup>th</sup> January 2023
Venue	Punjab Zonal Office Lahore

Participants
i. Mr. Noor Ahmed, DD, OFWM, District Quetta
ii. Mr. Faqir Muhammad, DD, OFWM, District Mastung
iii. Mr. Rizwan Ahmed, DTL, ME&IEC, Balochistan
iv. Mr. Nazeer, Computer Operator, ME&IEC

Meeting Agenda/Points discussed:
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<ul style="list-style-type: none"> <li>The ME&amp;IE Consultants visited the office of DD, Quetta, and met with DD, Quetta, and DD, Mastung, and discussed the issues faced by the OFWM staff regarding data uploading for the dashboard, Balochistan.</li> </ul>
<ul style="list-style-type: none"> <li>The DD Quetta informed the DTL that he has a shortage of staff, the DTL offered him services of ME&amp;IEC and distributed the works among OFWM and ME&amp;IEC Consultants so that the missing data could be filled in the stipulated time.</li> </ul>



View of meeting with DD, Quetta at his office

Date	30th January 2023
Venue	Punjab Zonal Office Lahore

Participants
i. Mr. Umar Khan, WMO, OFWM, Zhob
ii. Mr. Muhammad Raza, Agriculture Officer, District Sherani
iii. Mr. Naseeb Jan, FTI, ME&IE Consultants
iv. Mr. Arsalan, M&E Officer, ME&IE Consultants.
v. Mr. Umair, M&E Officer, ME&IE Consultants.

Meeting Agenda/Points discussed:
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<ul style="list-style-type: none"> <li>The ME&amp;IEC field team visited the office of the DD, Zhob regarding data collection of Dashboard, Balochistan.</li> </ul>
<ul style="list-style-type: none"> <li>The ME&amp;IEC staff also covered district Sheerani at the Zhob office and solve the issues and uploaded the data of Sheerani.</li> </ul>
<ul style="list-style-type: none"> <li>The OFWM staff shared some issues they faced with data uploading, which were promptly resolved by the ME&amp;IEC team and briefed them about the importance of dabs board implementation.</li> </ul>



View of meeting at District Zhob



A group photo of ME&IEC staff with DDA Dera Murad Jamali. Mr. Saeed Khosa, DDA Jaffarabad. Mr. Lal Jan Kethran, along with their staff at DM Jamali

Date	30 <sup>th</sup> January 2023
Venue	Office of the DD, OFWM, Dera Murad Jamali
Participants	
i.	Mr. Saeed Khosa, DDA, OFWM, Dera Murad Jamali
ii.	Mr. Lal Jan Kethran, DD, OFWM, Jaffarabad
iii.	Mr. Manzoor Kasi, Focal Person / FTI, ME&IE Consultants,
iv.	Mr. Qaisar Tareen, M&E Officer, ME&IE Consultants
v.	Mr. Basit Kakar, M&E Officer, ME&IE Consultants.
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>The ME&amp;IEC field team visited the office of the DD, DM Jamali regarding data collection of Dashboard, Balochistan.</li> <li>The ME&amp;IEC staff also met with DD, Jaffarabad, and discussed the issues regarding the dashboard, Balochistan.</li> <li>The Naseerabad zone gave a good and prompt response to ME&amp;IE staff and completed their zones in the stipulated time.</li> </ul>	

Date	31 <sup>st</sup> January 2023
Venue	Office of the DD, OFWM, Mastung
Participants	
i.	Mr. Faqir Muhammad, DD, OFWM, Mastung
ii.	Mr. Rizwan Ahmed, DTL, ME&IE Consultants, Balochistan
iii.	Mr. Shair Ahmed, Sub Engr. OFWM, Mastung
iv.	Mr. Sultan Ahmed, Sub Engineer, OFWM, Mastung
v.	Mr. Umair, ME&IE Consultants
vi.	Mr. Nazir, ME&IE Consultants
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>The ME&amp;IEC field team visited the office of the DD, Mastung regarding data collection of Dashboard, Balochistan.</li> <li>The DD, OFWM, and their staff shared some issues they faced with data uploading, which were promptly resolved by the ME&amp;IEC team.</li> <li>The process of uploading data is ongoing.</li> <li>All participants agreed on a date to complete the task by 2<sup>nd</sup> Feb. 2023.</li> </ul>	



**Address the Field Team and discussion on MTs about the Social & Gender aspect.**



**Trickle down on data feeding and Data validation for Dashboard at district Kila Saifullah.**

Date	31 <sup>st</sup> January 2023
Venue	Office of the DD, OFWM, Killa Saifullah
<b>Participants</b>	
i.	Mr. Muhammad Sadiq, DD, OFWM, Barkhan
ii.	Mr. Abdul Salam, Sub Engineer, OFWM, Killa Saifullah
iii.	Mr. Naseeb Jan, FTI, ME&IE Consultants
iv.	Mr. Arsalan, M&E Officer, ME&IE Consultants.
v.	Mr. Umair, M&E Officer, ME&IE Consultants.
<b>Meeting Agenda/Points discussed:</b>	
<ul style="list-style-type: none"> <li>The ME&amp;IEC field team visited the office of the DD, Killa Saifullah, where met with OFWM staff of Killa Saifullah and DD, OFWM, Barkhan regarding data collection of Dashboard, Balochistan.</li> <li>The OFWM staff shared some issues they faced with data uploading, which were promptly resolved by the ME&amp;IEC team and briefed them about the importance of dabs board implementation.</li> <li>The OFWM staff gave a very positive response and the process of uploading data is now ongoing.</li> </ul>	



Date	31 <sup>st</sup> January 2023
Venue	Office of the DDA, OFWM, Dhadar.
<b>Participants</b>	
i.	The DDA, OFWM, Dhadar
ii.	Mr. Manzoor Kasi, Focal Person / FTI, ME&IE Consultants,
iii.	Mr. Qaisar Tareen, M&E Officer, ME&IE Consultants
iv.	Mr. Basit Kakar, M&E Officer, ME&IE Consultants.
<b>Meeting Agenda/Points discussed:</b>	
<ul style="list-style-type: none"> <li>The ME&amp;IEC field team visited the office of the DD, Dhadar regarding data collection of Dashboard, Balochistan.</li> <li>The DD, OFWM, and their staff shared some issues they faced with data uploading, which were promptly resolved by the ME&amp;IEC team.</li> <li>The process of uploading data is ongoing.</li> </ul>	



**Office of DDA Dhadar, along with Sub Engineer. Uploading the data of FY 2021-22, Distt Dhadar, Naseerabad Division**

Date	1 <sup>st</sup> February 2023
Venue	Office of DD, OFWM, Ziarat.
<b>Participants</b>	
i.	Mr. Mukhtiar Ahmed, Kakar, DD, OFWM, Ziarat.
ii.	Mr. Naseeb Jan, FTI, ME&IE Consultants
iii.	Mr. Arsalan, M&E Officer, ME&IE Consultants.
iv.	Mr. Umair, M&E Officer, ME&IE Consultants.

Meeting Agenda/Points discussed:

- The ME&IEC field team met with DD, OFWM, and Ziarat and provided him with support in data feeding, the Dashboard, of Balochistan.
- The DD, and OFWM shared some issues they faced with data uploading, which were promptly resolved by the ME&IEC team.
- The process of uploading data is ongoing.



**ME&IE Team Balochistan is engaged with Ex-DD OFWM Ziarat Mr. Mukhtar Ahmad Kakar Deputy Director OFWM office Ziarat in terms of Data feeding and Data Validation for the Dashboard.**

Correspondence regarding Dashboard activities:

**DIRECTORATE GENERAL AGRICULTURE ON FARM WATER MANAGEMENT  
BALOCHISTAN QUETTA**  
Ph # 081-9211873 Fax # 0819211874

Our Faith, Corruption Free Pakistan  
Ref. # 6896-13/1/2-8/DG/OFWM Dated Quetta the 13 December 2022

To,

1-33 Deputy Director Agriculture On Farm Water Management Quetta/ Pishin/Killa Abdullah/Chagai/Nushki/Zib/Barkhan/Musa Khail/ Killa Sarufullah/Dukki/Loralai/Sherani/Sibi/Harnai/Ziarat/Kohlu/Nasirabad/Jaffarabad/Jhal/Magsi/Sohbatpur/Kalat/Surab/Mastung/Khuzdar/Awaran/Kharan/Washuk/ Kech/Lasbelia/Panjgur/Dera Bugti/Gawadar/Bolan (Kachhi).

Subject: **PROVISION OF MISSING RECORD OF NPWC-II TO M&E CONSULTANT FOR DASHBOARD.**

It refers to the subject noted above and to state ME&IE consultant requires missing data for dashboard of beneficiaries of those schemes which are executed under NPWC-II in FY 2019-20, 2020-21 & 2021-22.

Therefore, you are hereby directed to coordinate with the focal person of ME&IE consultant i.e Malik Manzoor Khan Kasi and provide the missing data which requires by them.

The matter is most urgent and most important; no negligence will be tolerated in this case.

**Director General Agriculture  
On Farm Water Management  
Balochistan Quetta**

**Copy to the:**  
✓ Deputy Team Leader ME&IE consultant for information.  
✓ 2. Malik Manzoor Kasi, Focal Person ME&IE consultant for information.

  
**Director General Agriculture  
On Farm Water Management  
Balochistan Quetta**

**ME&IE MONITORING, EVALUATION & IMPACT EVALUATION CONSULTANTS**  
Consultants  
**NPWC-II**  
NATIONAL PROGRAM FOR IMPROVEMENT OF WATERCOURSES IN PAKISTAN: PHASE-II (NPWC-II)  
Federal Project Management Unit (FPMU) | Ministry of National Food Security & Research, Islamabad | PAKISTAN  
www.npwc2.org.pk | info@fpmu.com

Ref: ME&IE/CC/NPWC-II/BZ/51 Dated: 26<sup>th</sup> January 2023

The Director General, OFWM, Balochistan,  
Rani Bagh, Sarlib Road, Quetta.

Sub: **Monitoring, Evaluation, and Impact Evaluation (ME&IE) Consultants for National Program for Improvement of Water Courses in Pakistan: Phase-II – Balochistan Zone.**

**DASHBOARD OF NPWC-II, BALOCHISTAN COMPONENT.**

Dear sir,

I am writing to submit our field visits plan for data collection and support to the Deputy Directors / concerned staff at the Division level for the Dashboard in Balochistan as per detail given below:

1. Mr. Rizwan Ahmed, DTL, ME&IE (Quetta Division) from 26<sup>th</sup> to 31<sup>st</sup> January 2023  
2. Mr. Manzoor Kasi, Focal Person, ME&IE (Naseerabad and Sibi Divisions) from 26<sup>th</sup> to 31<sup>st</sup> January 2023  
3. Mr. Naseeb Jan, FTI, ME&IE (Zibh and Loralai Division) from 26<sup>th</sup> to 31<sup>st</sup> January 2023

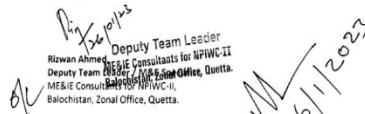
Our team will provide support to the DDs/Concerned staff in regard to the data uploading to the dashboard, Balochistan. The dashboard task will be carried out in a phased manner. During the visits, our team will work closely with the DDs and their team to ensure the data collected is accurate and up-to-date.

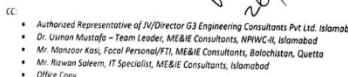
Your good office is requested to give necessary directions to all DDs/Concerned staff for their support and cooperation with ME&IE Consultants with full commitment so that this task could be completed by the targeted date 31<sup>st</sup> January 2023.

We look forward to working with you to achieve our common goal.

Assuring you our best services at all times.

Sincerely,

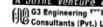
  
**Rizwan Ahmed, Deputy Team Leader  
ME&IE Consultants for NPWC-II  
Quetta**

  
**Mr. Manzoor Kasi, Focal Person, ME&IE Consultants, Balochistan, Quetta**

CC:

- Authorized Representative of JV/ Director G3 Engineering Consultants Pvt Ltd, Islamabad
- Dr. Usman Mustafa - Team Leader, ME&IE Consultants, NPWC-II, Islamabad
- Mr. Manzoor Kasi, Focal Person/FTI, ME&IE Consultants, Balochistan, Quetta
- Mr. Naseeb Jan, IT Specialist, ME&IE Consultants, Islamabad
- Office Copy

**A Joint Venture of**  
**G3 Engineering Lead Firm**  
**Consultants (Pvt.) Ltd.**









Head Office: 40, Aman Karim Khan Road, Kharal, Dera Ismail Khan, Punjab, Pakistan  
Ph: (+92-51) 2450803

In Association with

**ADA**  
Consultants Inc.  
S&S Associates

Date	09 <sup>th</sup> February 2023
Venue	Office of the DD, OFWM, Kharan.
Participants	
i.	Mr. Zia ur Rehman SE OFWM, District Kharan

Date	10th February 2023
Venue	Zonal Office, Quetta
Participants	
i.	Mr. Tariq, Agriculture Officer, OFWM, District Khuzdar
ii.	Mr. Muhammad Khan, Agriculture Officer, OFWM, District Khuzdar.
iii.	Mr. Manzoor Kasi, Focal Person / FTI, ME&IEC.
iv.	Mr. Arsalan, M&E Officer, ME&IEC
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>The DLT discussed the visit plan and assigned the task and timelines.</li> <li>FTIs shared visits plan with tentative expenses</li> </ul>	
	
	
	
<p><b>View of DD Office, Khuzdar and data validation of district Khuzdar</b></p>	

Date	09th February 2023
Venue	Office of the DD, Panjgur
Participants	
i.	Mr. Zaman, DD, OFWM, District Panjgur.
ii.	Mr. Muhammad Ashraf, Secretary, Marking Committee, Agriculture Department, District Panjgur.
iii.	Mr. Skindar, Sub Engr. OFWM, District Panjgur
iv.	Agriculture Officer, OFWM, District Panjgur
v.	Mr. Manzoor Kasi, Focal Person / FTI, ME&IE Consultants,
vi.	Mr. Arsalan, M&E Officer, ME&IE Consultants
Meeting Agenda/Points discussed:	
<ul style="list-style-type: none"> <li>The ME&amp;IE Consultants visited the two divisions Makran and Kalat and met with OFWM staff regarding data collection / validation.</li> <li>The ME&amp;IE consultants solve the issues raised by the OFWM staff, and now the data feeding process is ongoing.</li> </ul>	
	
	
<p><b>Group photo of OFWM and data validation / uploading at District Panjgur.</b></p>	

## CORRESPONDENCE WITH DG, OFWM, BALOCHISTAN FOR DATA ENTRY / VALIDATION, DASHBOARD BALOCHISTAN

The ME&IEC in Balochistan is closely coordinating with the DG Office of OFWM to receive support in uploading and validating data for the Balochistan dashboard. ME&IE Consultants have written two letters to the worthy DG of OFWM Balochistan, the first in January 2022 and the second in February 2022, requesting further intimation to the concerned DDs for support. The DG Office has provided full support in this regard, and the OFWM staff is currently in the process of validating and uploading dashboard data. We hope that this process will be completed 100% very soon.

**DIRECTORATE GENERAL AGRICULTURE ON FARM WATER MANAGEMENT  
BALOCHISTAN QUETTA**  
Ph # 081-9211873 Fax # 081-9211874  
Our Faith, Corruption Free Pakistan

Ref: # 689b-13/2-8/DG/OFWM Dated Quetta the 13 December 2022

To,

1-33 Deputy Director Agriculture On Farm Water Management Quetta/ Pishin/Killa Abdullah/Chagai/Nushki/Zob/Barkhan/Musa Khail/ Killa Saifullah/Dukki/Loralai/Sheranu/Sibi/Janzen/Kohlu/Nasirabad/Jaffarabad/ JhalMagsi/Sohbatpur/Kalat/Surab/Mastung/Khuzdar/Awanar/Kharan/Washuk/ Kech/Lasehla/Panjgur/Dera Bugti/Gawadar/Boian (Kachhi).

Subject: - **PROVISION OF MISSING RECORD OF NPIWC-II TO M&E CONSULTANT FOR DASHBOARD.**

It refer to the subject noted above and to state ME&IE consultant requires missing data for dashboard of beneficiaries of those schemes which are executed under NPIWC-II in FY 2019-20, 2020-21 & 2021-22.

Therefore, you are hereby directed to coordinate with the focal person of ME&IE consultant i.e Malik Manzoor Khan Kasi and provide the missing data which requires by them.

The matter is most urgent and most important; no negligence will be tolerated in this case.

Director General Agriculture  
On Farm Water Management  
Balochistan Quetta

Copy to the:  
✓ Deputy Team Leader ME&IE consultant for information.  
2. Malik Manzoor Kasi, Focal Person ME&IE consultant for information.

Director General Agriculture  
On Farm Water Management  
Balochistan Quetta

**Letter of DG, OFWM, Balochistan to all DDs, OFWM regarding Dashboard Data, Balochistan**

**ME&IE Consultants NPIWC-II**

**MONITORING, EVALUATION & IMPACT EVALUATION CONSULTANTS**  
NATIONAL PROGRAM FOR IMPROVEMENT OF WATERCOURSES IN PAKISTAN: PHASE-II (NPIWC-II)  
Federal Project Management Unit (FPMU) | Ministry of National Food Security & Research, Islamabad | PAKISTAN  
www.npiwc2.org.pk | info@gb3y.com

Ref: ME&IEC/NPIWC-II/B2/51  
The Director General, OFWM, Balochistan,  
Rani Bagh, Saraiab Road, Quetta.

Dated: 06<sup>th</sup> February 2023

Sub: Monitoring, Evaluation, and Impact Evaluation (ME&IE) Consultants for National Program for Improvement of Water Courses in Pakistan: Phase-II – Balochistan Zone.

DASHBOARD OF NPIWC-II, BALOCHISTAN COMPONENT.

Dear sir,

In continuation to our letter No. ME&IEC/NPIWC-II/B2/51, dated 26<sup>th</sup> January 2023 on the above-mentioned subject, I pleased to inform you that ME&IE Consultants have completed Phase-I, covering five divisions included Sibi, Nasirabad, Zhob, Loralai and Quetta as planned. The ME&IE Consultants are now proceeding to the remaining zones to accomplish Phase-II as detailed below:

1. Mr. Manzoor Kasi, Focal Person, ME&IEC (Kalat and Makran Divisions) from 08<sup>th</sup> to 12<sup>th</sup> February 2023
2. Mr. Naseeb Jan, FTI, ME&IEC (Rakshan Division) from 8<sup>th</sup> to 11<sup>th</sup> February 2023

Our teams will provide support to the DDs/Concerned staff in regard to the data uploading to the dashboard, Balochistan. During the visits, our team will work closely with the DDs and their team to ensure the data collected is accurate and up-to-date.

Your good office is requested to give necessary directions to all DDs/Concerned staff for their support and cooperation with ME&IE Consultants with full commitment so that this task could be completed in per plan.

We look forward to working with you to achieve our common goal.

Assuring you our best services at all times.

Sincerely,

*[Handwritten signatures of Rizwan Afridi and Umer Mustafa]*

Rizwan Afridi – Deputy Team Leader for NPIWC-II  
Deputy Team Leader, IT Specialist,  
ME&IE Consultants for NPIWC-II,  
Balochistan, Zonal Office, Quetta.

CC: 

- Authorized Representative of JV/Director G3 Engineering Consultants Pvt Ltd, Islamabad
- The Deputy Project Coordinator, FPMU, NPIWC-II, Islamabad.
- Dr. Umer Mustafa – Team Leader, ME&IE Consultants, NPIWC-II, Islamabad
- Mr. Manzoor Kasi, Focal Person/FTI, ME&IE Consultants, Balochistan, Quetta
- Mr. Rizwan Saleem, IT Specialist, ME&IE Consultants, Islamabad
- Office Copy

**Joint Venture of**  
**G3 Engineering Consultants (Pvt.) Ltd.** **EASE-PAK** **ADA Consultants Inc.**  
In Association with **S&S Associates**

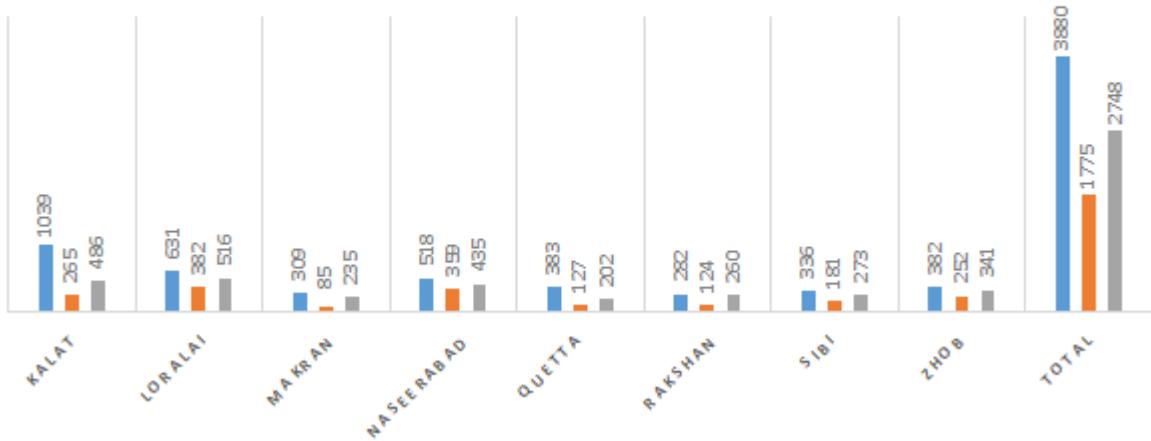
### Letter to the DG, OFWM, Balochistan regarding visit plan of ME&IEC regarding collection of Dashboard Data, Balochistan

### COMPARISON OF TWO MONTHS' DATA VALIDATION PROCESS OF DASHBOARD BALOCHISTAN - FINANCIAL YEARS, 2019-20, 2020-21 AND 2021-22.

The ME&IEC of Balochistan visited to all Divisional Headquarters in the months of January and February 2023 to facilitate and provide assistance to OFWM staff for data uploading through the Android Database Application. In response to the ME&IEC visits, OFWM staff provided good results regarding data validation and validated 61% of Watercourses and 55% of Water Storage Tanks validated in February 2023. ME&IEC staff continued to liaise with OFWM staff regarding the data validation process and provided assistance. As a result, the data validation of Watercourses increased by 71% and Water Storage Tanks by 64% in March 2023. The data validation process is still ongoing by OFWM staff. The two-month comparison regarding data validation (Division-wise) by OFWM staff is given in the following graphs. The Director General of OFWM is requested to address the administrative issues pointed out by some Deputy Directors that create hurdles in the data validation process.

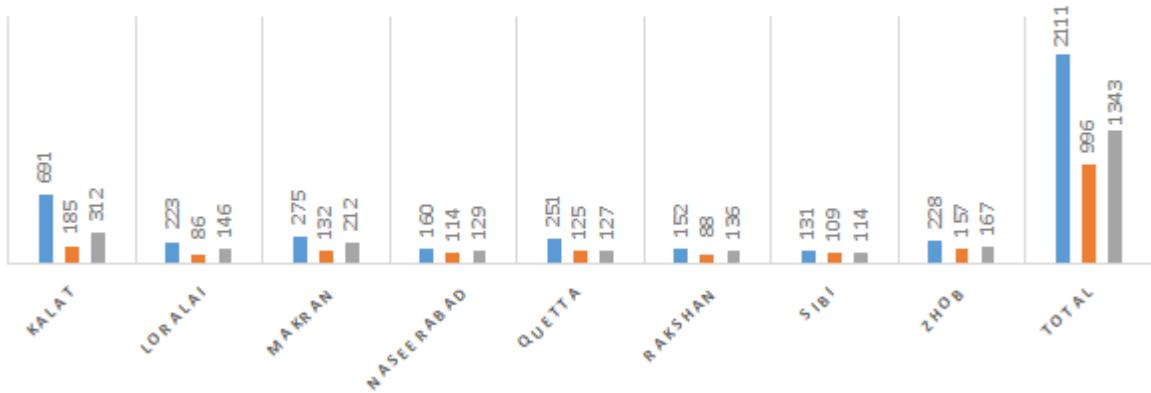
### DATA VALIDATION STATUS - FEB. & MAR. 2023

■ Total Data uploaded by ME&IEC ■ Data validated by OFWM (Feb 2023) ■ Data validated by OFWM (Mar 2023)



### DATA VALIDATION STATUS - FEB. & MAR. 2023

■ Total Data uploaded by ME&IEC ■ Data validated by OFWM (Feb 2023) ■ Data validated by OFWM (Mar 2023)



### UPDATED STATUS - VALIDATED DATA OF WATERCOURSES, BALOCHISTAN OF 03 FINANCIAL YEARS, 2019-20, 2020-21 AND 2021-22.

The updated table shows that OFWM staff have validated some districts 100%, namely Surab, Duki, Kech, Jaffarabad, Kachi, Kohlu, and Sibi. Most districts have been validated ranging 80% to 90%, while there has been no progress in some districts, namely Lasbella, Barkhan, Gawadar, Jhal Magsi, and Killa Abdullah. On March 27th, 2023, a progress review meeting was held under the chairmanship of the Director General of OFWM, Balochistan. During the meeting, the Deputy Team Leader of ME&IEC, Balochistan gave a presentation on the updated status of data validation for the Dashboard of

Balochistan. The Deputy Team Leader shared the district-wise progress of data validation with the forum and informed them that some districts have not been able to validate a single site of NPIWC-II schemes to date. The Director General of OFWM, Balochistan expressed great concern and directed all Deputy Directors to prioritize data validation.

DIVISION	DISTRICT	2019-20		2020-21		2021-22		TOTAL	
		TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFWM	TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFWM	TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFWM	TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFWM
Kalat	Awaran	140	76	22	22	0	0	162	98
Kalat	Kalat	97	0	28	28	158	123	283	151
Kalat	Khuzdar	139	0	17	0	9	6	165	6
Kalat	Lasbela	110	0	35	0	44	35	189	35
Kalat	Mastung	102	93	30	1	66	60	198	154
Kalat	Surab	20	20	11	11	11	11	42	42
Total		608	189	143	62	288	235	1039	486
(%)		31%		43%		82%		47%	
Loralai	Barkhan	61	0	0	0	3	0	64	0
Loralai	Duki	27	27	15	15	1	1	43	43
Loralai	Loralai	158	157	47	43	132	130	337	330
Loralai	Musakhail	100	99	86	44	1	0	187	143
Total		346	283	148	102	137	131	631	516
(%)		82%		69%		96%		82%	
Makran	Gwadar	12	0	11	0	0	0	23	0
Makran	Kech	68	68	20	20	44	44	132	132
Makran	Panjgur	124	73	25	25	5	5	154	103
Total		204	141	56	45	49	49	309	235
(%)		69%		80%		100%		76%	
Nasirabad	Jaffarabad	53	53	32	32	56	56	141	141
Nasirabad	Jhal Magsi	16	0	6		5		27	0
Nasirabad	Kachi	81	81	18	18	3	3	102	102
Nasirabad	Nasirabad	52	0	35	35	82	82	169	117
Nasirabad	Sohbatpur	14	14	20	20	45	41	79	75
Total		216	148	111	105	191	182	518	435
(%)		69%		95%		95%		84%	
Quetta	Killa Abdulla	106	0	2	0	2	0	110	0
Quetta	Pishin	99	97	38	2	52	52	189	151
Quetta	Quetta	41	25	10		33	26	84	51
Total		246	122	50	2	87	78	383	202
(%)		50%		4%		90%		53%	
Rakhshan	Chaghi	49	49	28	28	0	0	77	77
Rakhshan	Kharan	23	23	3		55	55	81	78
Rakhshan	Nushki	38	38	25	25	40	39	103	102
Rakhshan	Washuk	18	0	2	2	0	0	20	2
Total		128	110	58	55	95	94	281	259
(%)		86%		95%		99%		92%	
Sibi	Dera Bugti	34	0	0	0	65	65	99	65
Sibi	Harnai	23	0	19	15	0	0	42	15
Sibi	Kohlu	41	41	17	17	0	0	58	58
Sibi	Sibi	33	33	6	6	25	25	64	64
Sibi	Ziarat	54	54	17	15	2	2	73	71
Total		185	128	59	53	92	92	336	273
(%)		69%		90%		100%		81%	
Zhob	Killa Saifulla	158	124	38	38	39	39	235	201
Zhob	Sherani	19	18	8	8	39	38	66	64

DIVISION	DISTRICT	2019-20		2020-21		2021-22		TOTAL	
		TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFWM	TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFWM	TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFWM	TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFWM
Zhob	Zhob	55	55	23	20	3	1	81	76
Total		232	197	69	66	81	78	382	341
(%)		85%		96%		96%		89%	
GRAND TOTAL		2165	1318	694	490	1020	939	3879	2747
(%)		61%		71%		92%		71%	

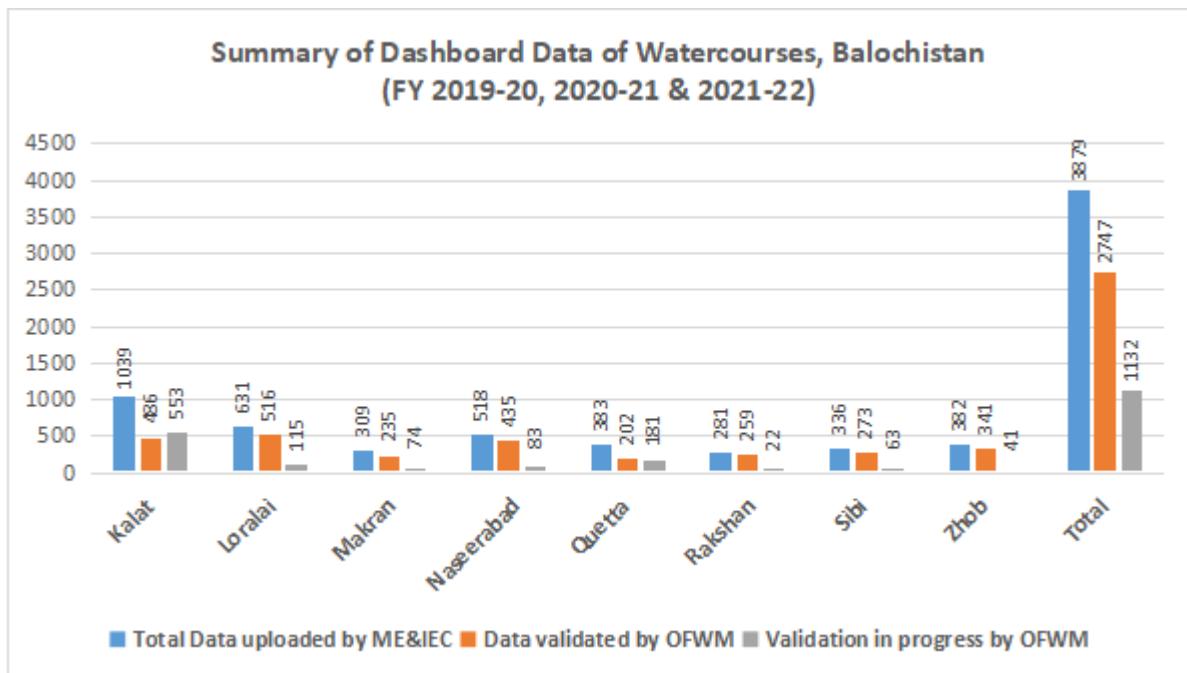


Figure 4.1: GRAPH: STATUS OF VALIDATED DATA OF WATERCOURSES – DIVISION WISE.

#### UPDATED STATUS - VALIDATED DATA OF WATER STORAGE TANKS, BALOCHISTAN OF 03 FINANCIAL YEARS, 2019-20, 2020-21 AND 2021-22.

The updated table shows that some districts have been validated 100% by OFWM staff, namely Surab, Duki, Musakhail, Jaffarabad, Kachi, Noshki, Dera

Bugti, Kohlu, Ziarat and Sherani. Most districts have been validated ranging 80% to 90%, while the progress in some districts, namely Gawadar, Jhal Magsi and Killa Abdullah, is nil. The department is requested to take necessary action in this regard."

DIVISION	DISTRICT	2019-20		2020-21		2021-22		TOTAL	
		TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFWM	TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFWM	TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFWM	TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFWM
Kalat	Awaran	12	12	27	27	48	0	87	39
Kalat	Kalat	20	2	32	32	127	65	179	99
Kalat	Khuzdar	20	0	30	0	89	68	139	68
Kalat	Lasbela	20	0	24	0	106	45	150	45

DIVISION	DISTRICT	2019-20		2020-21		2021-22		TOTAL	
		TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFW M	TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFWM	TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFWM	TOTAL DATA UPLOADED BY ME&IEC	VALIDATED BY OFWM
Kalat	Mastung	20	18	32	2	55	12	107	32
Kalat	Surab	3	3	9	9	17	17	29	29
Total		95	35	154	70	442	207	691	312
(%)		37%		45%		47%		45%	
Loralai	Barkhan	15	0	0	0	39	6	54	6
Loralai	Duki	7	7	9	9	13	13	29	29
Loralai	Loralai	22	22	32	3	59	59	113	84
Loralai	Musakhail	11	11	16	16	0	0	27	27
Total		55	40	57	28	111	78	223	146
(%)		73%		49%		70%		65%	
Makran	Gwadar	3	0	4	0	0	0	7	0
Makran	Kech	29	18	24	0	46	46	99	64
Makran	Panjgur	18	18	29	25	122	105	169	148
Total		50	36	57	25	168	151	275	212
(%)		72%		44%		90%		77%	
Nasirabad	Jaffarabad	0	0	8	8	9	9	17	17
Nasirabad	Jhal Magsi	7	0	0	0	23	0	30	0
Nasirabad	Kachi	18	18	24	24	40	40	82	82
Nasirabad	Nasirabad	0	0	8	8	9	9	17	17
Nasirabad	Sohbatpur	4	4	8	8	2	1	14	13
Total		29	22	48	48	83	59	160	129
(%)		76%		100%		71%		81%	
Quetta	Killa Abdul	22	0	34	0	0	0	56	0
Quetta	Pishin	22	22	36	33	61	61	119	116
Quetta	Quetta	9	9	17		50	32	76	41
Total		53	31	87	33	111	93	251	127
(%)		58%		38%		84%		51%	
Rakhshan	Chaghi	10	10	23	23	14	14	47	47
Rakhshan	Kharan	3	3	12		14	14	29	17
Rakhshan	Nushki	9	9	23	23	30	30	62	62
Rakhshan	Washuk	4		10	10	0	0	14	10
Total		16	12	45	33	44	44	152	136
(%)		75%		73%		100%		89%	
Sibi	Dera Bugti	11	11	0	0	28	28	39	39
Sibi	Harnai	3	3	6	6	12	0	21	9
Sibi	Kohlu	9	9	18	18	0	0	27	27
Sibi	Sibi	8	8	5	5	10	5	23	18
Sibi	Ziarat	4	4	6	6	11	11	21	21
Total		35	35	35	35	61	44	131	114
(%)		100%		100%		72%		87%	
Zhob	Killa Saifullah	30	20	32	32	56	56	118	108
Zhob	Sherani	4	4	6	6	15	15	25	25
Zhob	Zhob	15	10	24	24	46		85	34
Total		49	34	62	62	117	71	228	167
(%)		69%		100%		61%		73%	
GRAND TOTAL		382	245	545	334	1137	747	2111	1343
(%)		64%		61%		66%		64%	

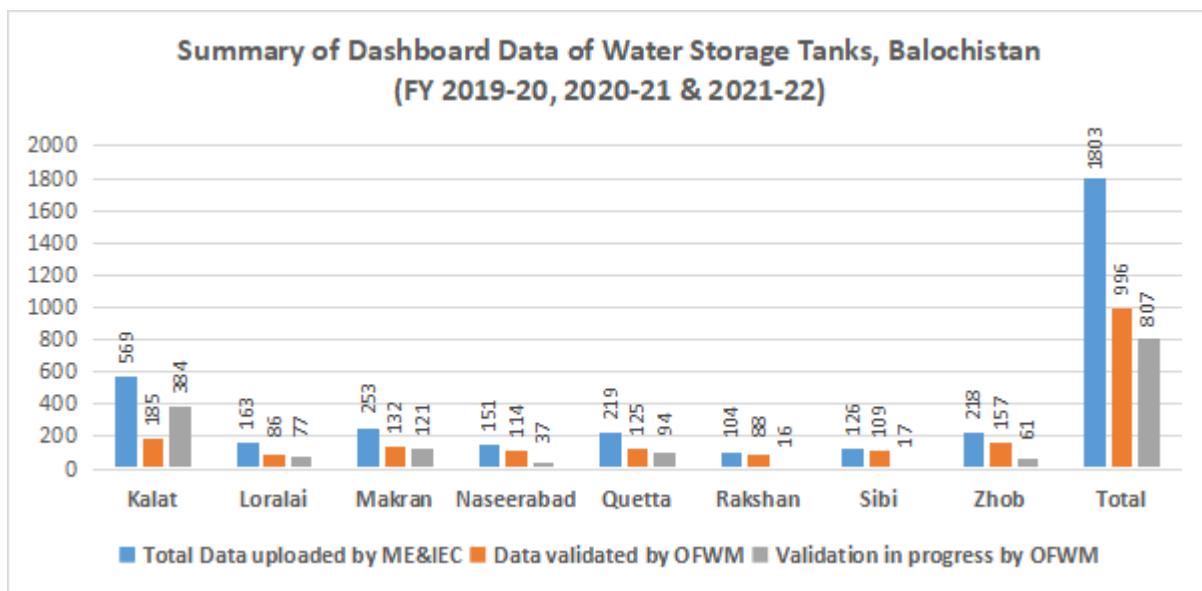


Figure 4.2: GRAPH: STATUS OF VALIDATED DATA OF WATER STORAGE TANKS – DIVISION WISE.

#### PROGRESS REVIEW MEETING.

A progress review meeting was held on March 27th, 2023 at the Agriculture Department, Rani Bagh, Sariab Road, Quetta, which was chaired by the worthy Director General, OFWM Balochistan. All the Deputy Directors of the OFWM Department, including the Deputy Team Leader of NWMC and the Deputy Team Leader of ME&IEC, attended the meeting. The purpose of the meeting was to review the physical and financial progress of the following projects.

- Updated physical and financial progress of NPIWC-II, Balochistan Component.
- National Programme for Enhancing Command Area of Barani Areas in Pakistan (Balochistan Component).
- On Farm Water Management, Efficiency Enhancement Program (70-30 Gob/Famers)
- Prov. Of 1000 Solar Tube Wells for Agriculture Purpose Based on Boarder Proximity of the Villages.
- PSDP Schemes of District 2022-23
- Submission of beneficiaries list of all the above projects.
- Validation status of PSDP schemes.

The detail of meetings is mentioned below:

Date	27 <sup>th</sup> March 2023
Venue	Agriculture Office, Rani Bagh, Sariab Road, Quetta
Participants	
i.	Mr. Abdul Wahab Kakar, Director General, OFWM, Agriculture Department, Balochistan (Chair)

- ii. Mr. Bashir Agha, Director, Water Management, Agriculture Department, Balochistan, Quetta.
- iii. Mr. Meharullah, Director, Monitoring, OFWM, Balochistan.
- iv. Mr. Fahim Tareen, Director, Agriculture Department.
- v. Deputy Directors, OFWM, (all districts of Balochistan)
- vi. Mr. Abdul Wali, DD, HQ, Quetta
- vii. Mr. Behram Mulghani, Agriculture Officer, OFWM, Quetta
- viii. Mr. Khalid Mehmood, DTL, NWMC, Balochistan
- ix. Mr. Rizwan Ahmed, Deputy Team Leader, ME&IE Consultants, Balochistan

#### Meeting Agenda/Points discussed:

- All DDs and both consultants, NWMC and ME&IEC, shared their progress as of February 28, 2023.
- The issues related to the works of FY 2022-23 were discussed in detail.
- The DG, OFWM advised all DDs to give their budget as per the finalized beneficiary list so that physical works could be started immediately of works (FY 2022-23).
- The DTL of ME&IEC gave a presentation on updated status regarding “dashboard data validation” by OFWM staff.
- The DG of OFWM gave necessary directions to all DDs to complete the validation task immediately and consult with ME&IEC in case of any difficulty.
- The DTL of ME&IEC requested all DDs to upload the beneficiary list (FY 2022-23) on the dashboard after finalizing/completing the

departmental process so that the 3rd Baseline Survey could be started accordingly.



View of meeting held at Agriculture Department,  
Rani Bagh, Sariab Road, Quetta



#### 4.8 ICT Team Assignments

The ICT Team remained engaged in different activities related to the ME&IE assignment including development of Android based application, data collection for Dashboard and training of client staff on Dashboard / MIS for the project. During the Month of March 2023 activities completed by ICT Team are summarized below.

#### DEVELOPMENT OF CUSTOMIZED ANDROID BASED APPLICATIONS

The ICT Technology Team of ME&IE Consultants NPIWC-II has developed Customized Android Based Applications for data collection. Data entry in this application is done directly by the field monitoring teams of all the zonal offices and is uploaded in the MIS system. The data is being observed and monitored by the ICT team of ME&IE Consultants.

In this regard, customized Android Based Applications have been developed, tested, and installed to Small Dams and Irrigation staff of AJK, Water Management Staff of ICT zone and OFWM staff KP zone.

#### DATA COLLECTION OF INTERVENTIONS IN MIS/GIS DATABASE

The activity regarding data collection of Interventions in MIS/GIS database was completed in KP Zone in December 2021.

- Data cleaning and validation has been completed in KP Zone.
- The data collection for the dashboard is in progress in Balochistan. The ICT team is facing problems in data collection because a lot of data is missing which was required by the ICT team for Implementation of MIS Dashboard.

#### IMPLEMENTATION OF MIS DASHBOARD

The Dashboard has been implemented in AJK, and the progress of Interventions is live on the Dashboard since the 4<sup>th</sup> of November 2021.

AJK ZONE - WATERCOURSES DATA SUMMARY					
Division	2019-20	2020-21	2021-22	2022-23	Overall
MZD	32	96	74	16	218
Poonch	37	38	78	21	174
Mirpur	38	107	86	49	280
<b>Overall</b>	<b>107</b>	<b>241</b>	<b>238</b>	<b>86</b>	<b>672</b>

So far, Total 672 Watercourses data from AJK zone has been received and available live on Dashboard by which 411 Watercourse has been completed & 171 watercourses are under progress. Due to farmers' unwillingness 90 Work Orders have been cancelled till now. Detailed summary attached as Annex-I.

AJK ZONE - WATER STORAGE TANK DATA SUMMARY					
DIVISION	2019-20	2020-21	2021-22	2022-23	OVERALL
Poonch	13	48	142	99	302
Mirpur	2	16	44	21	83
<b>Overall</b>	<b>50</b>	<b>125</b>	<b>269</b>	<b>125</b>	<b>569</b>

569 Water Storage Tank data received from AJK zone and is available live on Dashboard by which 306 Water Storage Tank has been completed and 179 WSTs are under progress. Due to the unwillingness of farmers there 84 WST work orders have been cancelled till now. Detailed summary attached as Annex-J.

The Dashboard has also been implemented in KP Zone and progress of completed schemes is live on the Dashboard since 11<sup>th</sup> March 2022.

KP ZONE - WATERCOURSES DATA SUMMARY					
DIVISION	2019-20	2020-21	2021-22	2022-23	OVERALL
Bajaur Agency	3	19	40	17	79
Bannu	74	35	93	27	229
D.I Khan	431	14	105	0	550
Hazara	82	66	149	40	337
Khyber Agency	6	13	7	0	26
Kohat	78	32	57	5	172
Kurram Agency	3	5	3	0	11
Malakand	174	177	451	8	810
Mardan	105	67	96	7	275
M. Agency	4	26	13	0	43
N.W Agency	2	3	5	1	11
Orakzai Agency	0	1	0	0	1
Peshawar	107	82	93	10	292
S.W Agency	3	12	15	2	32
<b>Overall</b>	<b>1072</b>	<b>552</b>	<b>1127</b>	<b>117</b>	<b>2868</b>

KP zone currently 2868 total watercourses data live on Dashboard and by which 2462 schemes have been completed and 399 schemes are under progress. Due to the unwillingness of farmers 07 Schemes work order has been cancelled till to date. Detailed Summary attached as Annex-K.

KP ZONE - WST DATA SUMMARY					
DIVISION	2019-20	2020-21	2021-22	22-23	OVERALL
Bajaur	1	10	9	1	21
Bannu	13	10	23	2	48
D. I. Khan	81	6	19	0	106
Hazara	23	41	46	5	115
Khy. Agency	1	9	12	0	22
Kohat	28	17	32	1	78
Kurram Agency	1	1	0	0	2
Malakand	73	94	172	3	342
Mardan	16	9	26	4	55
M. Agency	1	36	4	0	41
Orakzai Agency	0	2	0	0	2
Peshawar	35	25	59	5	124
S.W Agency	0	15	15	0	30
N.W Agency	0	8	8	1	17
<b>Overall</b>	<b>273</b>	<b>283</b>	<b>425</b>	<b>22</b>	<b>1003</b>

KP zone currently 1003 total WST data live on Dashboard and by which 833 schemes have been completed and 170 WSTs are under progress. Detailed Summary attached as **Annex-L**.

ICT WATERCOURSES DATA SUMMARY				
DIVISION	2020-21	2021-22	OVERALL	
ICT	20	14	34	
<b>Overall</b>	<b>20</b>	<b>14</b>	<b>34</b>	

ICT zone so far 34 watercourse schemes have been initiated in this zone and all 34 have been completed till now.

BALOCHISTAN ZONE - WATERCOURSES DATA SUMMARY				
DIVISION	2019-20	2020-21	21-22	OVERALL
Kalat	546	132	211	889
Loralai	332	100	123	555
Makran	151	34	5	190
Nasirabad	193	106	174	473
Quetta	236	33	68	337
Rakhshan	124	57	54	235
Sibi	176	49	83	308
Zhob	195	64	73	332
<b>Overall</b>	<b>1953</b>	<b>575</b>	<b>791</b>	<b>3319</b>

Balochistan zone currently has 3319 total watercourses data live on Dashboard and by which 2045 schemes have been completed and remaining 1253 are under progress. Detailed Summary attached as **Annex-M**.

BALOCHISTAN ZONE - WST DATA SUMMARY				
DIVISION	2019-20	2020-21	2021-22	OVERALL
Kalat	91	145	274	510
Loralai	54	56	103	213
Makran	48	56	109	213
Nasirabad	25	46	76	147
Quetta	52	51	76	179
Rakhshan	26	66	57	149
Sibi	34	33	61	128
Zhob	35	61	114	210
<b>Overall</b>	<b>365</b>	<b>514</b>	<b>870</b>	<b>1749</b>

Balochistan zone currently has 1749 total Water Storage Tank data live on Dashboard and by which 899 Water Storage Tanks have been completed and remaining 845 WSTs are under progress. Detailed Summary attached as **Annex-N**.

PUNJAB ZONE - WATERCOURSES DATA SUMMARY					
DIVISION	2019-20	2020-21	2021-22	2022-23	OVERALL
Bahawalpur	182	189	317	17	705
D.G Khan	154	81	261	0	496
Faisalabad	91	59	199	38	387
Gujranwala	65	30	100	0	195
Gujrat	52	28	119	0	199
Lahore	77	47	122	9	255
Multan	172	83	307	0	562
Sahiwal	95	92	157	0	344

PUNJAB ZONE - WATERCOURSES DATA SUMMARY					
DIVISION	2019-20	2020-21	2021-22	2022-23	OVERALL
Sargodha	108	89	355	3	555
<b>Overall</b>	<b>996</b>	<b>698</b>	<b>1937</b>	<b>67</b>	<b>3698</b>

Punjab Zone currently has 3698 total Watercourses data live on Dashboard and all schemes are completed. There's also data missing in some districts and the ICT team is in close coordination with the Punjab OFWM Department to fill the missing data from concerned districts. Detailed Summary attached as **Annex-O**.

PUNJAB ZONE - WST DATA SUMMARY				
DIVISION	2019-20	2020-21	2021-22	OVERALL
Bahawalpur	23	46	91	160
D.G Khan	25	30	25	80
Faisalabad	24	48	57	129
Gujranwala	0	4	2	6
Gujrat	2	10	29	41
Khushab	2	7	19	28
Lahore	0	9	5	14
Multan	16	25	26	67
Rawalpindi	0	174	194	368
Sahiwal	9	15	15	39
Sargodha	4	25	28	57
<b>Overall</b>	<b>105</b>	<b>393</b>	<b>491</b>	<b>989</b>

Punjab Zone currently has 989 total Water Storage Pond data live on Dashboard and all schemes are completed. There's also data missing in some districts and the ICT team is in close coordination with the Punjab OFWM Department to fill the missing data from concerned districts. Detailed Summary attached as **Annex-P**.

GB - WATERCOURSE DATA SUMMARY				
DIVISION	2019-20	2020-21	2021-22	OVERALL
Gilgit	180	236	29	445
Skardu	108	231	25	364
<b>Overall</b>	<b>288</b>	<b>467</b>	<b>54</b>	<b>809</b>

GB Zone currently has 809 total Watercourse data live on Dashboard and all schemes are completed. Detailed Summary attached as **Annex-Q**.

GB - WST DATA SUMMARY				
DIVISION	2019-20	2020-21	2021-22	OVERALL
Gilgit	83	95	22	200
Skardu	35	82	11	128
<b>Overall</b>	<b>118</b>	<b>177</b>	<b>33</b>	<b>328</b>

GB Zone currently has 328 total Water Storage Tank data live on Dashboard and all schemes are completed. Detailed Summary attached as **Annex-R**.

## CHAPTER 5: ISSUES / BOTTLENECKS

The ME&IE Consultants have been facing following constraints for timely initiating the activities:

- Due to non-availability of NWMC (NESPAK) deliverables/reports, ME&IE Consultants are facing hurdles to evaluate working of NWMC. In this regard the cooperation of NWMC and respective Directorates is required.
- Non availability of Technical Sanctions of the watercourses required for performing baseline surveys as well as the required obligatory followed surveys including Midline and endline
- Non-availability of complete up-to-date inventory / data of all interventions from the Client, Provincial Agricultural Departments & NWMC (NESPAK) till to date.
- Irregularity in the fund releases are also one of the key hurdles towards the completion of the required obligatory project assignments, timely.

## ANNEX-A: TENTATIVE QUARTERLY WORK PLAN (JANUARY-MARCH 2023)

TENTATIVE WORK PLANNED FOR THE QUARTER (January 2023 To March 2023)													Legend		
No.	ACTIVITIES	3 Months-Year 2023 (Weeks)													
		January				February				March					
		WK-1	WK-2	WK-3	WK-4	WK-1	WK-2	WK-3	WK-4	WK-1	WK-2	WK-3	WK-4	Activity starts	
<b>1</b>	<b>Pre-Field Activities</b>														
1.1	Preparation for 3rd-Phase Baseline Survey (Finalization of MTs)														
1.2	Internal Meetings of ME&IE Consultants' Zonal Offices for development of Methodology for 3rd Phase Baseline Survey														
1.3	Training of Field Staff for 3rd-Phase Baseline Survey														
<b>2</b>	<b>Field Activities</b>														
2.1	Regular Monitoring of Interventions in the Field														
2.2	Data collection of the interventions in the field														
2.3	PLL, Baseline Phase-II & Impact Survey														
2.4	Online data entry in android based application														
<b>3</b>	<b>ICT Assignment</b>														
3.1	Development / Improvement of website of NPIWC-II														
3.2	Monitoring online data collection and Data entry														
3.3	Monitoring Android based Mobile Application under implementation by field staff.														
3.4	Data collection of interventions in MIS/GIS database														
3.5	Capacity Building Trainings / Refresher of Departments														
3.6	Data Cleaning, Development & Launching of Dashboard for Client Offices														
<b>4</b>	<b>Coordination</b>														
4.1	Meetings of TL with NPC and OFWM Departments regarding Project Progress / Issues														
4.2	Meeting of DTLs with respective DTL of PC & concerned OFWM Departments														
4.3	ME&IE Consultants Internal Meetings														
<b>5</b>	<b>Deliverable</b>														
5.1	Monthly Monitoring Report														
5.2	Quarterly Monitoring Report (Oct-Dec 2022)														
5.3	Mid-Line Monitoring & Impact Evaluation Report (Draft)														
5.4	Preparation of Baseline Survey Report 2nd-Phase														
5.5	Consolidation of Baseline Survey Phase-I & II Reports														

## ANNEX - B: MATRIX OF RESPONSIBILITIES

### MATRIX OF RESPONSIBILITIES

SR. NO.	DELIVERABLE / ACTIVITIES
1	<b>Provision of Pre-requisite data of project components for starting of Field Activities:</b> <ul style="list-style-type: none"> <li>• Organization of Water Users Associations,</li> <li>• Watercourses Improvement,</li> <li>• Water Storage Tanks,</li> <li>• Laser Land Levelers,</li> </ul>
2	<b>Certification of operational documents of the project,</b> <ul style="list-style-type: none"> <li>• Design, cost estimates, completion reports of watercourses,</li> <li>• Design, cost estimates, completion reports of water storage tanks,</li> </ul>
3	Undertake baseline, midline and endline surveys of the project activities/interventions in all the project areas.
4	Develop monitoring strategy, framework and Result Based Monitoring (RBM) indicators,
5	Assessing the water saving per annum on watercourse and water storage tanks as well as aggregate due to the project interventions.
6	Assessing the improvement in water availability due to provision of conveyance system.
7	Assessing the economic benefits to the agriculture in terms of increase in yield, irrigated area, cropping pattern, cropping intensity, farm income and employment in command area of watercourses and water storage tanks.
8	Assessing the extent of community mobilization, financial and administrative sustainability of Water Users' Associations and ensuring the maintenance of watercourses, water storage tanks and laser land levelers.
9	Economic Impact of project interventions.
10	Carryout impact evaluation of the project investment on the economy and stakeholders.
11	Preparation of Monthly, Quarterly and Annual Monitoring, Evaluation and Validation Reports of the project activities.
12	Develop a website containing information of facilities and services, applications, procedures, watercourses, water storage tanks, and laser levelers database etc. (Maintaining website should be the responsibility of project staff).
13	Provide technical support for the development of a custom-designed mobile application (Android) to capture on-site project progress, geo tagged photos; should be synchronized with the central MIS/GIS database and application for instant reporting and feedback to the

LEGEND	
●	Primary Responsibility
○	Secondary Responsibility
○	Assistance

NPC-FPMU	Agriculture Dept. (OPMM)	Project Consultants	ME&IE Consultants
O	●	-	-
O	○	●	-
-	-	-	●
-	-	-	●
-	-	-	●
-	-	-	●
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-	-	-	●
-	-	-	●
-	-	-	●

ANNEX - C: MONITORING LOG-FRAME

PROJECT SUBCOMPONENTS	TARGETS	ACTIVITIES	OUTPUTS	OUTCOME-1	OUTCOMES-2	GOALS / IMPACT	METHODOLOGY FOR MEASURING RESULTS	
<b>C1: Organization of Water Users' Associations (WUAs)</b>	Reactivation of existing / organization of water users' associations. Ensuring one on each target watercourse. Total WUAs ensured 47,278.	a) Community mobilization at 47,278 watercourses	a) Total 47,278 WUAs reactivated / established/registered	a) Right of way of 47,278 watercourses available b) Skilled and unskilled labour required for watercourse improvement available c) Construction material for civil works of watercourses procured d) Alternate arrangement for water conveyance during construction made e) Watercourse improved	a) Disputes among the water users settled b) Farmers' branched improved c) Water allocation made amicably d) Maintenance of watercourses, WST and laser units done e) Cooperation among farmers increased	a) 47,278 watercourses improved and 15 percentage points conveyance losses reduced b) Litigation among farmers reduced	a) The functioning of the WUAs will be established through sample interview surveys of WUAs members twice during the project period	b)
<b>C2: Watercourses Improvements</b>	Improvement of 47,278 watercourses on cost sharing basis: 40% farmers in terms of labour, and	a) Establishment of 47,278 Water users' associations (WUAs); b) Registration of 47,278 WUAs; c) Improvement	a) 47,278 WCAs established; b) 47,278 WCAs registered; c) 47,278 watercourses improved and lined;	a) Conveyance losses for improved watercourses decreased by about 15 percentage points.	a) Increase in cropping intensity on improved watercourses by 5-24%; b) Increase in crop yields.	a) Increase in farm income; b) Increase in employment for farm labour; c) Reduction in poverty;	a) The water flow measurements will be carried out at before and after watercourse improvement on 2-5%	e)

PROJECT SUBCOMPONENTS	TARGETS	ACTIVITIES	OUTPUTS	OUTCOME-1	OUTCOMES-2	GOALS / IMPACT	METHODOLOGY FOR MEASURING RESULTS	
	60% funded by project.	and realignment of earthen section of 47,278 watercourses; d) Lining of up to 50% length of 47,278 watercourse either by: <ul style="list-style-type: none"> <li>• Precast concrete parabolic lining (PCPL) segments, or</li> <li>• Rectangular brick masonry, or any other method as approved by the project</li> </ul>		b) 1.654 million households benefited from the activity; c) 11.347 million acres served with improved watercourses	c) Increase in irrigated area d) Increase in agriculture output per unit of water by about 37%	d) Enhanced food security for the country.	b) sample basis; Agriculture survey before and after watercourse improvement on 2-5% sample basis; c) The survey will determine: <ul style="list-style-type: none"> <li>• Cropping pattern before and after the improvement;</li> <li>• Cropping intensities before and after improvement;</li> <li>• Before and after crop yields;</li> <li>• Before and after employment ;</li> </ul> d) The difference between before and after will be considered the	

PROJECT SUBCOMPONENTS	TARGETS	ACTIVITIES	OUTPUTS	OUTCOME-1	OUTCOMES-2	GOALS / IMPACT	METHODOLOGY FOR MEASURING RESULTS	
							result of the intervention after netting out the contribution of the growth pattern of the crop sector otherwise.	
<b>C3: Construction of Water Storage Tanks (WSTs)</b>	a) Construction of 14,932 water storage tanks	a) 14,932 small farmers mobilized to construct water storage tanks for irrigation  b) They agree to contribute 40% of the cost  c) Agree to first construct the tank with his/her own funds and then received subsidy at 40% on issuance of FCR	a) 14,932 WSTs constructed  b) 14,932 WSTs operated and maintained	a) Water which was otherwise largely going to be wasted is saved  b) Irrigation provided at critical stages of the crops  c) Flexibility achieved for irrigation	a) More area irrigated  b) Increased cropping intensities	a) Increased crop yields  b) Increased total crop output quantum  c) Increased farm income  d) Increased farm employment	a) 2-5% sample of WSTs will be surveyed  b) A data collection form will be designed to measure water saving due to WSTs  c) The forms used for baseline and impact surveys in case of watercourses will also be used for WSTs  d) Same data analysis will be carried out here as in case of watercourses.	e)
<b>C4: Provision of Land Leveling Units</b>	a) Provision of 11,610 laser land leveling	a) 11,610 laser units provided to farmers /	a) 11,610 farmers / service providers received PLL units;	a) Land levelled on Farmers' / service	a) Water application efficiency	e) Increased area under irrigated	a) The land levelling is expected to	f)

PROJECT SUBCOMPONENTS	TARGETS	ACTIVITIES	OUTPUTS	OUTCOME-1	OUTCOMES-2	GOALS / IMPACT	METHODOLOGY FOR MEASURING RESULTS	
	units to farmers and service providers on a cost sharing basis: 50% by farmer / service provider and 50% by the project.	service providers; b) Farmers trained in using the units.	b) Farmers / service providers received training in using the units.	providers' farms; b) Land levelled on fellow farmers on rent; c) Total 3.483million acres levelled by 11,610 units.	increased at field level; b) Even germination of seed. c) Field application losses reduced by 10 percentage points d) Water productivity increased by 24%	crops; f) Enhanced crop yields g) Increased farm income	save irrigation water and result in better and even germination of seeds which can enhance crop yields. The crop yields thus affected will be reflected in agriculture sample surveys. b) 2-4% sample units will be visited by ME&IE Consultants teams after one years of delivery c) The unit will be verified d) Area treated during the year will be collected e) Farmers' feedback collected on quality of the unit, quality of the after-sale service, etc.	

**ANNEX - D: DELIVERABLES/REPORTING REQUIREMENTS**

SR. NO.	DOCUMENT	COPIES	DUe
1	Draft Inception Report	8	45 days after the effectiveness of the Consulting services Agreement.
2	Final Inception Report	15	One week after the issuance of comments by the Client on Draft Inception Report
3	Monthly Monitoring Report	10	10 <sup>th</sup> of the following month
4	Baseline Survey Report	10	4 months after start of the assignment
5	Midline Survey Report	10	In the middle of the assignment
6	Endline Survey Report	10	At the end of the endline survey
7	Quarterly Monitoring and Evaluation Report	10	10 <sup>th</sup> of the first month of following quarter
8	Annual Monitoring and Evaluation Report	10	During first month of following year
9	Draft Assignment Completion Report	5	At completion of physical works / activities
10	Final Completion Report	25	At completion of works as well as financial transactions
11	Special Reports	10	As and when required

**ANNEX-E: LIST OF PLL SURVEY VISITS DURING REPORTING QUARTER**

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Impact	19/01/2023	2	PLL		Punjab	Nankana Sahib	Abdul Sattar:Sardar Muhammad
Impact	19/01/2023	2	PLL		Punjab	Nankana Sahib	Aitazaz Hussain Bhatti:Nazir Ahmad
Impact	19/01/2023	2	PLL		Punjab	Nankana Sahib	M.imran:M.Sharif
Impact	19/01/2023	2	PLL		Punjab	Nankana Sahib	Muhammad Asim:Muhammad Saleem
Impact	19/01/2023	2	PLL		Punjab	Nankana Sahib	Zafar Iqbal:Nazeer Ahmad
Impact	20/01/2023	1	PLL		Punjab	Faisalabad	Arif Hussain Gill:Faqeer Hussain Gill
Impact	20/01/2023	1	PLL		Punjab	Faisalabad	Jamat Ali:Nawab Din
Impact	20/01/2023	1	PLL		Punjab	Faisalabad	Mahe wal:Noor Muhammad
Impact	20/01/2023	1	PLL		Punjab	Faisalabad	Muhammad Khan:Muhammad Akram
Impact	20/01/2023	2	PLL		Punjab	Sheikhupura	Asad ullah:Denar Ahmad
Impact	20/01/2023	2	PLL		Punjab	Sheikhupura	Ghulam Muhi-ud-DIN:Hassan Din
Impact	20/01/2023	2	PLL		Punjab	Sheikhupura	M.Akhtar:Niymat Ali
Impact	20/01/2023	2	PLL		Punjab	Sheikhupura	Mubarak Ali:Ghulam nabi
Impact	20/01/2023	2	PLL		Punjab	Sheikhupura	Muhammad Akram:Khushi Muhammad
Impact	20/01/2023	2	PLL		Punjab	Sheikhupura	Sajjad Ahmad:Nazir Ahmad
Impact	20/01/2023	2	PLL		Punjab	Sheikhupura	Shafqat Ali:M Shafee
Impact	20/01/2023	3	PLL		Punjab	Sialkot	Amjid Mehmood:Muhammad Sharif
Impact	20/01/2023	3	PLL		Punjab	Sialkot	Muhammad Naveed:Muhammad Mushtaq
Impact	20/01/2023	3	PLL		Punjab	Sialkot	Muhammad Zakaullah:Sana Ullah
Impact	20/01/2023	3	PLL		Punjab	Sialkot	Munir Ahmad:Barkat Ali
Impact	20/01/2023	3	PLL		Punjab	Sialkot	Wahid Ali:Muhammad Ismail
Impact	21/01/2023	1	PLL		Punjab	Faisalabad	Abdul Rauf:Fatah Muhammad
Impact	21/01/2023	1	PLL		Punjab	Faisalabad	Allah Ditta:Akbar Ali
Impact	21/01/2023	1	PLL		Punjab	Faisalabad	Arbab Saif Ullah:Saif Ullah
Impact	21/01/2023	1	PLL		Punjab	Faisalabad	Bashir Ahmed:Sadar Din
Impact	21/01/2023	1	PLL		Punjab	Faisalabad	Muhammad Anwar:Sardar Muhammad
Impact	21/01/2023	1	PLL		Punjab	Faisalabad	Muhammad Zubair:Muhammad Ali
Impact	21/01/2023	1	PLL		Punjab	Faisalabad	Touqeer Abbas:Abbas Ali
Impact	21/01/2023	3	PLL		Punjab	Gujranwala	Akhtar Hussain:Fateh Muhammad

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Impact	21/01/2023	3	PLL		Punjab	Gujranwala	Fayaz Ahmad:Muhammad Khan
Impact	21/01/2023	3	PLL		Punjab	Gujranwala	Muhammad Asif:Muhammad Khan
Impact	21/01/2023	3	PLL		Punjab	Gujranwala	Muhammad Farooq:Muhammad Hussain
Impact	21/01/2023	3	PLL		Punjab	Gujranwala	Nadeem Raza:Muhammad Khan
Impact	21/01/2023	3	PLL		Punjab	Gujranwala	Rafaqat Ali:Saif Ali
Impact	21/01/2023	3	PLL		Punjab	Gujranwala	Tariq Hussain:Talib Hussain
Impact	21/01/2023	2	PLL		Punjab	Kasur	Abid Hussain:Fareed Din
Impact	21/01/2023	2	PLL		Punjab	Kasur	Ali Asgar:Muhammad Din
Impact	21/01/2023	2	PLL		Punjab	Kasur	Bashir Ahmad:M.Shafi
Impact	21/01/2023	2	PLL		Punjab	Kasur	Ch.Muhabbat Ali:Rehmat Ali
Impact	22/01/2023	3	PLL		Punjab	Gujrat	Aftab Ahmad:Muhammad Naeem Ullah
Impact	22/01/2023	3	PLL		Punjab	Gujrat	Faisal Nawaz:Muhammad Nawaz
Impact	22/01/2023	3	PLL		Punjab	Gujrat	Naeem Sohail:Nazeer Ahmad
Impact	22/01/2023	3	PLL		Punjab	Gujrat	Nazar Hussain:Muhammad Din
Impact	22/01/2023	3	PLL		Punjab	Gujrat	Orangzaib:Muhammad Razaq
Impact	22/01/2023	3	PLL		Punjab	Gujrat	Qayyum Sarwar Qamar:Muhammad Sarwar
Impact	23/01/2023	3	PLL		Punjab	Hafizabad	Allah Rakha:Muhammad Iqbal
Impact	23/01/2023	3	PLL		Punjab	Hafizabad	Mumtaz Ahmad:Abdullah
Impact	23/01/2023	3	PLL		Punjab	Hafizabad	Samia Baig:Iftikhar Ahmad (Husband)
Impact	23/01/2023	3	PLL		Punjab	Hafizabad	Shahid Iqbal:Munir Ahmad
Impact	23/01/2023	3	PLL		Punjab	Hafizabad	Usman Afzal Chatta:Muhammad Afzal Chatta
Impact	23/01/2023	1	PLL		Punjab	Jhang	Ajmal Nadeem:Shamir khan
Impact	23/01/2023	1	PLL		Punjab	Jhang	Bilal Hussain:Muhammad Ashraf
Impact	23/01/2023	1	PLL		Punjab	Jhang	Hanif Tahir:Muhammad Ramzan
Impact	23/01/2023	1	PLL		Punjab	Jhang	Shamir Khan:Muhabat Ali
Impact	23/01/2023	1	PLL		Punjab	Jhang	Umar Hayat:YASEEN
Impact	23/01/2023	2	PLL		Punjab	Khanewal	Amjad Hussain:Muhammad waryar
Impact	23/01/2023	2	PLL		Punjab	Khanewal	Asghar Ali:Muhammad Anwar
Impact	23/01/2023	2	PLL		Punjab	Khanewal	M.Abid khan:Khalil Ahmad
Impact	23/01/2023	2	PLL		Punjab	Khanewal	M.Ibrahim:M.Ismail

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Impact	23/01/2023	2	PLL		Punjab	Khanewal	Muhammad Sharif:Muhammad Iqbal
Impact	23/01/2023	2	PLL		Punjab	Khanewal	Syed Asad Ali:Syed Shaheen Haider
Impact	23/01/2023	2	PLL		Punjab	Khanewal	Zia Ullah khan:Haq nawaz khan
Impact	24/01/2023	2	PLL		Punjab	Multan	Ali Ahmad:Bashir Ahmad
Impact	24/01/2023	2	PLL		Punjab	Multan	Ghulam Rasool:Nawab Din
Impact	24/01/2023	2	PLL		Punjab	Multan	Khuda Bukhsh:Muhammad Bukhsh
Impact	24/01/2023	2	PLL		Punjab	Multan	M.Arif:M.Suleman
Impact	24/01/2023	2	PLL		Punjab	Multan	Muhammad Aslam:Allah Dad
Impact	24/01/2023	2	PLL		Punjab	Multan	Muhammad Iqbal:Bashir Ahmad
Impact	24/01/2023	2	PLL		Punjab	Multan	RIAZ HUSSAIN:M.Sharif Bajwa
Impact	24/01/2023	2	PLL		Punjab	Multan	Shoukat Hussain:Ameer Bukhsh
Impact	24/01/2023	3	PLL		Punjab	Sargodha	Ahmad Hussain:Noor Hussain
Impact	24/01/2023	3	PLL		Punjab	Sargodha	Allah Dad:Muhammad Khan
Impact	24/01/2023	3	PLL		Punjab	Sargodha	Muhammad Safdar:Shah Muhammad
Impact	24/01/2023	3	PLL		Punjab	Sargodha	Muhammad Sher:Ahmad Khan
Impact	24/01/2023	3	PLL		Punjab	Sargodha	Nouman Mumtaz:Muhammad Mumtaz
Impact	24/01/2023	3	PLL		Punjab	Sargodha	Saleh Muhammad:Allah Yar
Impact	24/01/2023	1	PLL		Punjab	Toba Tek Singh	Akram ul Haq:Muhammad Boota
Impact	24/01/2023	1	PLL		Punjab	Toba Tek Singh	Chawa:Ghulam Muhammad
Impact	24/01/2023	1	PLL		Punjab	Toba Tek Singh	Ghulam Murtaza:Akbar Ali
Impact	24/01/2023	1	PLL		Punjab	Toba Tek Singh	Ijaz Ahmed:Muhammad Sharif
Impact	24/01/2023	1	PLL		Punjab	Toba Tek Singh	Muhammad Ali:Abdul Hayee khan
Impact	24/01/2023	1	PLL		Punjab	Toba Tek Singh	Muhammad Jameel:Rukan Din
Impact	24/01/2023	1	PLL		Punjab	Toba Tek Singh	Umar Hayat:Noor Muhammad
Impact	24/01/2023	1	PLL		Punjab	Toba Tek Singh	Zafar Iqbal:Muhammad Aslam
Impact	25/01/2023	3	PLL		Punjab	Khushab	Ghulam Akbar:Atta Muhammad
Impact	25/01/2023	3	PLL		Punjab	Khushab	Khushi Muhammad:Atta Muhammad
Impact	25/01/2023	3	PLL		Punjab	Khushab	Mansab Dar:Ahmad Khan
Impact	25/01/2023	3	PLL		Punjab	Khushab	Muhammad Ramzan:Muhammad Khan
Impact	25/01/2023	3	PLL		Punjab	Khushab	Muhammad Safdar:Shah Muhammad

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Impact	25/01/2023	3	PLL		Punjab	Khushab	Muhammad Shameer:Muhammad Ameer
Impact	25/01/2023	3	PLL		Punjab	Khushab	Sher Khan:Ahmad Khan
Impact	25/01/2023	3	PLL		Punjab	Khushab	Umer Daraz:Muhammad Raza
Impact	25/01/2023	2	PLL		Punjab	Lodhran	Abdul Malik:Azam Ali
Impact	25/01/2023	2	PLL		Punjab	Lodhran	Haq Nawaz:Peera datta
Impact	25/01/2023	2	PLL		Punjab	Lodhran	Haq Nawaz:Peera datta
Impact	25/01/2023	2	PLL		Punjab	Lodhran	Hazoor Ahmad:Pearinditta
Impact	25/01/2023	2	PLL		Punjab	Lodhran	Javeed Iqbal:M Sharif
Impact	25/01/2023	2	PLL		Punjab	Lodhran	Mushtaq Hussain:Kamal pur jatyal
Impact	25/01/2023	2	PLL		Punjab	Lodhran	Talha Naeem:M.Afzal
Impact	25/01/2023	2	PLL		Punjab	Lodhran	Umar Farooq Khan:Shaib yar
Impact	25/01/2023	1	PLL		Punjab	Vehari	Ashraf Ali:Ali Muhammad
Impact	25/01/2023	1	PLL		Punjab	Vehari	Karam Elahi:Haji Allah Baksh
Impact	25/01/2023	1	PLL		Punjab	Vehari	Master Basir Ahmed:Atta Muhammad
Impact	25/01/2023	1	PLL		Punjab	Vehari	Muhammad Banyameen:Muhammad Sarwar
Impact	25/01/2023	1	PLL		Punjab	Vehari	Muhammad Nasrullah:Ghulam Nabi
Impact	25/01/2023	1	PLL		Punjab	Vehari	Muhammad Saleem:Rehmat Ullah
Impact	25/01/2023	1	PLL		Punjab	Vehari	Muhammad Yaqoob:Sajwara
Impact	25/01/2023	1	PLL		Punjab	Vehari	Sajjad Mehmood:Bashir Ahmed
Impact	26/01/2023	1	PLL		Punjab	Sahiwal	Abdul Farooq:Peer Muhammad
Impact	26/01/2023	1	PLL		Punjab	Sahiwal	Ali Rizwan khan:Zahoor Khan
Impact	26/01/2023	1	PLL		Punjab	Sahiwal	Muhammad Ibrar:M.Adrees
Impact	26/01/2023	1	PLL		Punjab	Sahiwal	Muhammad Nawaz:Noor Muhammd
Impact	26/01/2023	1	PLL		Punjab	Sahiwal	Muhammad Ramzan:Karam Ali
Impact	26/01/2023	1	PLL		Punjab	Sahiwal	Nazar Muhammad:Muhammad Nawaz Khan
Impact	26/01/2023	1	PLL		Punjab	Sahiwal	Noor Muhammad:Muhammad Ameer
Impact	26/01/2023	1	PLL		Punjab	Sahiwal	Usman ali:Arshad Akhter
Impact	27/01/2023	1	PLL		Punjab	Okara	Haji Muhammad Ashraf:Fazal Karim
Impact	27/01/2023	1	PLL		Punjab	Okara	Khan Muhammad:Wali Muhammad
Impact	27/01/2023	1	PLL		Punjab	Okara	Maqbool Ahmed:Sardar Muhammad Zafar

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Impact	27/01/2023	1	PLL		Punjab	Okara	Muhammad Akram:Muhammad Ali
Impact	27/01/2023	1	PLL		Punjab	Okara	Muhammad Ramzan:Taj ud Din
Impact	27/01/2023	1	PLL		Punjab	Okara	Muhammad Younas Bhatti:Salamat Ali Bhatti
Impact	27/01/2023	1	PLL		Punjab	Okara	Sabir:Abdul Ghani
Impact	20/01/2023	1	PLL		KP	Dera Ismail Khan	Junaid Ahmad Khan:Jamshaid Ahmad khan
Impact	20/01/2023	1	PLL		KP	Dera Ismail Khan	Malik Muhammad Bhawal:Muhammad Afzal
Impact	20/01/2023	1	PLL		KP	Dera Ismail Khan	Muhammad Arif:Malik khuda Baksh
Impact	20/01/2023	1	PLL		KP	Dera Ismail Khan	Muhammad Arshad:Muhammad Yaqoob
Impact	21/01/2023	1	PLL		KP	Dera Ismail Khan	Muhammad Ramzan:Muhammad Hashim
Impact	23/01/2023	1	PLL		Balochistan	Jafarabad	Ejaz Ali:Mohammed Azeem
Impact	23/01/2023	1	PLL		Balochistan	Jafarabad	Javeed Ali:Mohabbat Khan
Impact	23/01/2023	1	PLL		Balochistan	Jafarabad	Mohammed Kaleem:Haji Ameer Bux
Impact	23/01/2023	1	PLL		Balochistan	Jafarabad	Sher Khan:Ghulam Haider
Impact	24/01/2023	1	PLL		Balochistan	Sohbatpur	Ghulam Sabir:Abdul Rehman
Impact	24/01/2023	1	PLL		Balochistan	Sohbatpur	Mohammed Hassan:Noor Mohammed
Impact	24/01/2023	1	PLL		Balochistan	Sohbatpur	Mohiudin:Sabir

**ANNEX-F: LIST OF BASELINE SURVEY PHASE-I&II FIELD VISITS DURING REPORTING QUARTER- WATERCOURSES**

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Baseline	03/01/2023	1	WC	11024332001	Punjab	Toba Tek Singh	443650/L
Baseline	03/01/2023	2	WC	11061112002	Punjab	Gujrat	30000/L
Baseline	03/01/2023	2	WC	11061132004	Punjab	Gujrat	9136/L
Baseline	03/01/2023	3	WC	11072232014	Punjab	Khanewal	87400/R
Baseline	04/01/2023	1	WC	11024332005	Punjab	Toba Tek Singh	2500/L
Baseline	04/01/2023	2	WC	11061112001	Punjab	Gujrat	7132/R
Baseline	04/01/2023	3	WC	11072232015	Punjab	Khanewal	11415/L
Baseline	05/01/2023	1	WC	11024132013	Punjab	Toba Tek Singh	58460/L
Baseline	05/01/2023	2	WC	11061132003	Punjab	Gujrat	12884/R
Baseline	05/01/2023	3	WC	11072232001	Punjab	Khanewal	264704/L
Baseline	06/01/2023	1	WC	11024132007	Punjab	Toba Tek Singh	30896/R
Baseline	06/01/2023	2	WC	11061132002	Punjab	Gujrat	46895/L
Baseline	06/01/2023	3	WC	11072232002	Punjab	Khanewal	24830/R
Baseline	07/01/2023	1	WC	11024232007	Punjab	Toba Tek Singh	445/L
Baseline	07/01/2023	2	WC	11061132005	Punjab	Gujrat	30000/L
Baseline	07/01/2023	3	WC	11072232003	Punjab	Khanewal	47460/R
Baseline	08/01/2023	2	WC	11033132017	Punjab	Pakpattan	20440/R
Baseline	09/01/2023	1	WC	11023332018	Punjab	Jhang	35478/R
Baseline	09/01/2023	2	WC	11033112002	Punjab	Pakpattan	12996/R
Baseline	09/01/2023	3	WC	11072412003	Punjab	Khanewal	1500/R
Baseline	10/01/2023	1	WC	11023332015	Punjab	Jhang	43486/L
Baseline	10/01/2023	2	WC	11033232021	Punjab	Pakpattan	4393/L
Baseline	10/01/2023	2	WC	11053332003	Punjab	Sialkot	29800/L
Baseline	10/01/2023	3	WC	11072432019	Punjab	Khanewal	4050/R
Baseline	11/01/2023	1	WC	11023312002	Punjab	Jhang	17720/R
Baseline	11/01/2023	1	WC	11023312005	Punjab	Jhang	88668/L
Baseline	11/01/2023	2	WC	11053232001	Punjab	Sialkot	2000/R
Baseline	12/01/2023	1	WC	11021332001	Punjab	Faisalabad	30694/R

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Baseline	12/01/2023	1	WC	11021332010	Punjab	Faisalabad	18985/L
Baseline	12/01/2023	2	WC	11033132015	Punjab	Pakpattan	33500/R
Baseline	12/01/2023	2	WC	11053332002	Punjab	Sialkot	131000/R
Baseline	13/01/2023	1	WC	11012432002	Punjab	Kasur	45316/L
Baseline	13/01/2023	2	WC	11033132013	Punjab	Pakpattan	37030/L
Baseline	13/01/2023	2	WC	11053232002	Punjab	Sialkot	1980/L
Baseline	14/01/2023	1	WC	11021432017	Punjab	Faisalabad	47007/L
Baseline	14/01/2023	1	WC	11022132002	Punjab	Chiniot	17006/R
Baseline	14/01/2023	2	WC	11053232003	Punjab	Sialkot	24200/TL
Baseline	07/02/2023	2	WC	11041632008	Punjab	Sargodha	28900/R
Baseline	07/02/2023	3	WC	11074132008	Punjab	Vehari	71750/L
Baseline	08/02/2023	2	WC	11033112003	Punjab	Pakpattan	24763/L
Baseline	08/02/2023	3	WC	11073132024	Punjab	Lodhran	63534/L
Baseline	08/02/2023	3	WC	11074212002	Punjab	Vehari	289500/R
Baseline	08/02/2023	3	WC	11074232005	Punjab	Vehari	2000/R
Baseline	09/02/2023	2	WC	11063232001	Punjab	Mandi Bahauddin	13726/L
Baseline	09/02/2023	2	WC	11063312002	Punjab	Mandi Bahauddin	23014/L
Baseline	10/02/2023	2	WC	11063212003	Punjab	Mandi Bahauddin	104720/R
Baseline	10/02/2023	3	WC	11074232003	Punjab	Vehari	10780/R
Baseline	11/02/2023	2	WC	11052112001	Punjab	Narowal	18500/R
Baseline	12/02/2023	3	WC	11074132009	Punjab	Vehari	13020/R
Baseline	13/02/2023	3	WC	11074432010	Punjab	Vehari	25178/L
Baseline	17/02/2023	1	WC	11013132003	Punjab	Nankana Sahib	33400/TF
Baseline	20/02/2023	1	WC	11013132005	Punjab	Nankana Sahib	24642/TL
Baseline	21/02/2023	1	WC	11013132006	Punjab	Nankana Sahib	24642/TF
Baseline	21/02/2023	1	WC	11032212001	Punjab	Okara	48010/TL
Baseline	03/01/2023	1	WC	12071112042	KP	Peshawar	Ikram Ullah
Baseline	03/01/2023	1	WC	12071116003	KP	Peshawar	Rashid Zaman
Baseline	04/01/2023	1	WC	12071132004	KP	Peshawar	70000-L-Hazar Khwani
Baseline	04/01/2023	1	WC	12071132008	KP	Peshawar	159000-L Wgc

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Baseline	05/01/2023	1	WC	12071116011	KP	Peshawar	Adil zaman
Baseline	05/01/2023	1	WC	12071412001	KP	Peshawar	Amjad Ali
Baseline	06/01/2023	1	WC	12071212001	KP	Peshawar	Kashif Twc
Baseline	06/01/2023	1	WC	12071216001	KP	Peshawar	Iqbal Hussain
Baseline	09/01/2023	1	WC	12071112045	KP	Peshawar	Tahir khan
Baseline	09/01/2023	1	WC	12071112047	KP	Peshawar	Wajid khan
Baseline	10/01/2023	2	WC	12021312012	KP	Dera Ismail Khan	Akhtar Ullah
Baseline	10/01/2023	2	WC	12021312013	KP	Dera Ismail Khan	Muhammad Ayaz
Baseline	10/01/2023	1	WC	12062113007	KP	Swabi	WC NO.12320/R
Baseline	10/01/2023	1	WC	12062312003	KP	Swabi	13000-L
Baseline	11/01/2023	2	WC	12021112088	KP	Dera Ismail Khan	Gul Khan Tw
Baseline	11/01/2023	2	WC	12021112095	KP	Dera Ismail Khan	Ghulam Abbas shah
Baseline	11/01/2023	1	WC	12061313001	KP	Mardan	No. 1134/R
Baseline	11/01/2023	1	WC	12071116001	KP	Peshawar	Abdul Majeed
Baseline	12/01/2023	2	WC	12021512121	KP	Dera Ismail Khan	Muhammad Aftab Tw Wc
Baseline	12/01/2023	2	WC	12021513005	KP	Dera Ismail Khan	Hayat Ullah
Baseline	13/01/2023	2	WC	12021412085	KP	Dera Ismail Khan	Malik Khurshid Tw
Baseline	13/01/2023	2	WC	12021412089	KP	Dera Ismail Khan	Muhammad Akram Tw Wc
Baseline	16/01/2023	2	WC	12021512112	KP	Dera Ismail Khan	Muhmmad Tw Wc
Baseline	16/01/2023	2	WC	12021512117	KP	Dera Ismail Khan	Sona Tw Wc
Baseline	17/01/2023	2	WC	12021112090	KP	Dera Ismail Khan	Shah jahan Tw Wc
Baseline	17/01/2023	2	WC	12021412091	KP	Dera Ismail Khan	Nazeer Aehmad
Baseline	19/01/2023	2	WC	12041113026	KP	Kohat	Abdul Qadir
Baseline	19/01/2023	2	WC	12041113060	KP	Kohat	Ahsan Hayat
Baseline	24/01/2023	1	WC	12052216003	KP	Buner	Umer Wahid
Baseline	24/01/2023	1	WC	12052216004	KP	Buner	Amir Nawab Khan
Baseline	25/01/2023	1	WC	12052616011	KP	Buner	Laiq Zada TWWC
Baseline	25/01/2023	1	WC	12052616021	KP	Buner	Qayyum Zada TWWC
Baseline	26/01/2023	1	WC	12052216022	KP	Buner	T/W WC wazir ali
Baseline	26/01/2023	1	WC	12052416007	KP	Buner	Rahat Shah

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Baseline	27/01/2023	1	WC	12056516030	KP	Swat	Sadam Hussain
Baseline	27/01/2023	1	WC	12056516060	KP	Swat	Abdullah
Baseline	27/01/2023	1	WC	12056516071	KP	Swat	Bahader zeb
Baseline	07/02/2023	2	WC	12041112001	KP	Kohat	12400-R
Baseline	07/02/2023	2	WC	12041113033	KP	Kohat	Hazrat Umar
Baseline	07/02/2023	1	WC	12056416019	KP	Swat	Muhammad ishaq
Baseline	07/02/2023	1	WC	12056416026	KP	Swat	Qadar Gul
Baseline	08/02/2023	2	WC	12011112003	KP	Bannu	Noor Naib Khan
Baseline	08/02/2023	2	WC	12011118002	KP	Bannu	Adhami Degan
Baseline	08/02/2023	1	WC	12056416024	KP	Swat	Asad Ali
Baseline	08/02/2023	1	WC	12056716071	KP	Swat	Wahid zada
Baseline	09/02/2023	2	WC	12011112001	KP	Bannu	Faisal Khan-2
Baseline	09/02/2023	2	WC	12011112002	KP	Bannu	Faisal Khan-1
Baseline	09/02/2023	1	WC	12056616010	KP	Swat	Fawad Ullah
Baseline	09/02/2023	1	WC	12056616013	KP	Swat	Khurshid Ali
Baseline	10/02/2023	2	WC	12012312002	KP	Lakki Marwat	Vial Shahjee Wala
Baseline	10/02/2023	2	WC	12012312004	KP	Lakki Marwat	Vail Nimzar
Baseline	10/02/2023	1	WC	12056216021	KP	Swat	Akbar shah
Baseline	13/02/2023	2	WC	12021112042	KP	Dera Ismail Khan	3500-L
Baseline	13/02/2023	2	WC	12021112047	KP	Dera Ismail Khan	3800-L
Baseline	13/02/2023	2	WC	12021112079	KP	Dera Ismail Khan	17600-R
Baseline	13/02/2023	1	WC	12054216001	KP	Lower Dir	171+500-L
Baseline	14/02/2023	2	WC	12021412063	KP	Dera Ismail Khan	2900-R
Baseline	14/02/2023	2	WC	12021512026	KP	Dera Ismail Khan	3143-R
Baseline	14/02/2023	1	WC	12051116001	KP	Malakand	Asmatullah
Baseline	14/02/2023	1	WC	12051212012	KP	Malakand	10181-L
Baseline	15/02/2023	1	WC	12051212006	KP	Malakand	32650-L
Baseline	15/02/2023	1	WC	12051212029	KP	Malakand	Mogha 25461/ R
Baseline	16/02/2023	1	WC	12051212017	KP	Malakand	Mogha 3593/R
Baseline	16/02/2023	1	WC	12051212026	KP	Malakand	Mogha 1148/R

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Baseline	16/01/2023	1	WC	14032118023	GB	Gilgit	Main Nallah To Mustafa House
Baseline	16/01/2023	2	WC	14032118024	GB	Gilgit	Main Channel To Qari Javaid House
Baseline	16/01/2023	3	WC	14032315006	GB	Gilgit	Nallah To Junaid Land Pari
Baseline	16/01/2023	3	WC	14032317003	GB	Gilgit	Kkh To Ahmed Sayed Land Drot
Baseline	17/01/2023	3	WC	14031218030	GB	Ghizer	Gotch Gan Hamuchal Paen Shairqila
Baseline	17/01/2023	2	WC	14034216001	GB	Hunza	Tazeem Channel Gojal
Baseline	17/01/2023	2	WC	14034915006	GB	Hunza	Maliki Dallah Head To Altit Fort Area
Baseline	17/01/2023	1	WC	14035118017	GB	Nagar	Base On Hotel To Yar Mohallah Gulmet
Baseline	17/01/2023	1	WC	14035118018	GB	Nagar	Imam Bargah To Mir Muhammad Land Sharyar
Baseline	18/01/2023	1	WC	14021118019	GB	Astore	Trashing Main Channel
Baseline	18/01/2023	1	WC	14021118020	GB	Astore	Hayat Land
Baseline	18/01/2023	2	WC	14031218031	GB	Ghizer	Intake To Khari Hatoon Near Hasis Bridge
Baseline	18/01/2023	3	WC	14031918020	GB	Ghizer	Akber House To Fida Land Morkha Yaseen
Baseline	18/01/2023	3	WC	14033118012	GB	Ghizer	Qurban House Sadique Land Handarp Polo Ground
Baseline	19/01/2023	1	WC	14022115001	GB	Diamer	Wc From Misar Haji House To Wadan House
Baseline	19/01/2023	1	WC	14022115002	GB	Diamer	Wc From Nallah To Latti Bala
Baseline	19/01/2023	2	WC	14023215002	GB	Diamer	Wc From Nallah To Ghali Dar
Baseline	19/01/2023	3	WC	14023218004	GB	Diamer	Wc At Shiniki Het Goner Farm
Baseline	20/01/2023	2	WC	14014115044	GB	Skardu	Mir Pi Shahma Sermic
Baseline	20/01/2023	3	WC	14014915002	GB	Skardu	Gond Bainsa Bilamik
Baseline	20/01/2023	1	WC	14023218005	GB	Diamer	Niat Nallah To Malkush
Baseline	20/01/2023	1	WC	14023218009	GB	Diamer	Nallah To Khai Botogha
Baseline	23/01/2023	3	WC	14014918005	GB	Skardu	Center Bilamik Roundu From Main Channel To Jingkha
Baseline	23/01/2023	3	WC	14014918006	GB	Skardu	Nang Harka Harpo Bala Roundu From Main Channel To Link Road
Baseline	23/01/2023	2	WC	14014918007	GB	Skardu	Choliskam From Nallah To Road Talu Roundu
Baseline	23/01/2023	2	WC	14014918008	GB	Skardu	Goma Biala Thowar Roundu
Baseline	23/01/2023	1	WC	14014918009	GB	Skardu	Nasaso Yulbu Roundu
Baseline	24/01/2023	2	WC	14013115001	GB	Shigar	Gorey Hrka Ned From Main Cool To Ali Ahmad Plot
Baseline	24/01/2023	3	WC	14013115002	GB	Shigar	Sarfa Khor Dassu Shiger
Baseline	24/01/2023	1	WC	14014915003	GB	Kharmang	Gamba Drong Paari From Community Hall Muallah Mishyari

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Baseline	24/01/2023	1	WC	14014915004	GB	Kharmang	Chenger Susithang From Main Channel To Link Road
Baseline	25/01/2023	2	WC	14011115004	GB	Ghanche	Gharis Khaplu
Baseline	25/01/2023	2	WC	14011115005	GB	Ghanche	Bargani Ranthaq To Sargaib Rzing Khaplu
Baseline	25/01/2023	1	WC	14013118001	GB	Shigar	Banpi Yarkhor Tissar From Nallah To Haider Plot
Baseline	25/01/2023	1	WC	14013118002	GB	Shigar	Masjid Hrka Kayo Gulabpur From Main Nallah To Main Channel
Baseline	26/01/2023	1	WC	14011115007	GB	Ghanche	Muldumar Rzing To Albowa Bagh Khaplu
Baseline	26/01/2023	1	WC	14011115008	GB	Ghanche	Oli Harkha Thasqong
Baseline	26/01/2023	2	WC	14011115009	GB	Ghanche	Ayub Land To Kacho Land Barah
Baseline	26/01/2023	2	WC	14011115010	GB	Ghanche	Xoksi Harka Barah Pain
Baseline	16/01/2023	1	WC	15033112018	AJK	Mirpur	Dalyala
Baseline	16/01/2023	1	WC	15033112054	AJK	Mirpur	Chapran-2
Baseline	17/01/2023	1	WC	15033112068	AJK	Mirpur	Raipur
Baseline	18/01/2023	1	WC	15031112035	AJK	Bhimber	Sokasan
Baseline	18/01/2023	1	WC	15031212006	AJK	Bhimber	Malkay-4
Baseline	26/01/2023	1	WC	15023116001	AJK	Poonch	Lower Dhothan
Baseline	26/01/2023	1	WC	15023328001	AJK	Poonch	Upper Sawa
Baseline	26/01/2023	1	WC	15024215001	AJK	Sudhnoti	Tarnoti To Dhok
Baseline	13/02/2023	1	WC	15012318001	AJK	Jhelum	Chatkari
Baseline	14/02/2023	1	WC	15013125005	AJK	Neelum	Kanoor To Lawat Khawaja Seri
Baseline	14/02/2023	1	WC	15013218002	AJK	Neelum	Shesha Pahar To Kiyani Muhalla
Baseline	15/02/2023	1	WC	15011215005	AJK	Muzaffarabad	Meldi Kasi To Parla
Baseline	15/02/2023	1	WC	15011218001	AJK	Muzaffarabad	Doba Upper Phagla

**ANNEX-F: LIST OF BASELINE SURVEY PHASE-I&II FIELD VISITS DURING REPORTING QUARTER – WATER STORAGE TANKS**

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Baseline	04/01/2023	1	WST	21024313002	Punjab	Toba Tek Singh	Ch.Muhammad Ali:Safdar Ali
Baseline	05/01/2023	1	WST	21024113001	Punjab	Toba Tek Singh	Farhan Akbar:Muhammad Akbar
Baseline	09/01/2023	1	WST	21023210005	Punjab	Jhang	Tahir Sabtai:Ghulam Jaffer Khan
Baseline	16/01/2023	1	WST	21102112009	Punjab	Attock	Mian Muhammad Raza:Main Altaf Hussain
Baseline	18/01/2023	1	WST	21101612008	Punjab	Rawalpindi	Muhammad Shamroz:M. Ferooz
Baseline	18/01/2023	1	WST	21101614001	Punjab	Rawalpindi	Tariq Mehmood:Fazal Khan
Baseline	19/01/2023	1	WST	21033112003	Punjab	Pakpattan	M. Tayyab:Muhammad Anwer
Baseline	03/01/2023	1	WST	22071132028	KP	Peshawar	Aqeel Afzal
Baseline	04/01/2023	3	WST	22031147001	KP	Abbottabad	Hanif Awan
Baseline	05/01/2023	3	WST	22032147001	KP	Battagram	Shamalai
Baseline	05/01/2023	1	WST	22071132005	KP	Peshawar	Aziz Khan
Baseline	06/01/2023	1	WST	22071132006	KP	Peshawar	Muhammad Uzair
Baseline	10/01/2023	2	WST	22021132001	KP	Dera Ismail Khan	Abdul Qayum
Baseline	10/01/2023	1	WST	22062232001	KP	Swabi	Mazhar Ali
Baseline	13/01/2023	2	WST	22021432047	KP	Dera Ismail Khan	Shafqat Ullah Tw Wst
Baseline	17/01/2023	1	WST	22101337001	KP	Khyber	Junaid
Baseline	24/01/2023	1	WST	22052232006	KP	Buner	Wst Mursaleen Shah
Baseline	26/01/2023	1	WST	22052232007	KP	Buner	Wst Rashid Ahmad
Baseline	08/02/2023	2	WST	22011132001	KP	Bannu	Ihsanu Llah Khan
Baseline	10/02/2023	1	WST	22056234017	KP	Swat	Abdur Raziq
Baseline	10/02/2023	1	WST	22056234022	KP	Swat	Taj Mohammad
Baseline	10/02/2023	1	WST	22056244002	KP	Swat	Nasar
Baseline	13/02/2023	1	WST	22054132008	KP	Lower Dir	Sajjad Khan
Baseline	14/02/2023	1	WST	22056234001	KP	Swat	Gul Roze
Baseline	15/02/2023	2	WST	22043332001	KP	Karak	Mir Wali
Baseline	15/02/2023	2	WST	22043332007	KP	Karak	Adnan
Baseline	16/02/2023	1	WST	22051332003	KP	Malakand	Shakeel Ahmed
Baseline	20/02/2023	1	WST	22055134002	KP	Shangla	Fazal Khuda

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Baseline	21/02/2023	1	WST	22055134001	KP	Shangla	Intikhab Alam Wst
Baseline	22/02/2023	1	WST	22057144002	KP	Upper Dir	Tangai Bala
Baseline	16/01/2023	1	WST	24032159014	GB	Gilgit	Dr Qalab Ali Land Jutal Dass
Baseline	16/01/2023	2	WST	24032159015	GB	Gilgit	Dawood Land
Baseline	17/01/2023	3	WST	24031159005	GB	Ghizer	Imran Land
Baseline	17/01/2023	2	WST	24034959007	GB	Hunza	Tajir Land Bull Dass
Baseline	17/01/2023	1	WST	24035159002	GB	Nagar	Community Land Duikar
Baseline	18/01/2023	1	WST	24021959010	GB	Astore	Wali Shah Land .Mouza:Het
Baseline	18/01/2023	2	WST	24033159008	GB	Ghizer	Mirza Khan Land
Baseline	19/01/2023	2	WST	24023259009	GB	Diamer	Abdur-Rehman Land
Baseline	19/01/2023	3	WST	24023259010	GB	Diamer	Sher Alam Land
Baseline	20/01/2023	2	WST	24014159012	GB	Skardu	Murtaza Abad Qumra
Baseline	20/01/2023	3	WST	24014159014	GB	Skardu	Khosho Chumik Skardu
Baseline	24/01/2023	2	WST	24013159013	GB	Shigar	Ghazi Abad Wazir Pur Shiger
Baseline	24/01/2023	3	WST	24013159014	GB	Shigar	Tharanpa Alchori Shiger
Baseline	24/01/2023	1	WST	24014959008	GB	Kharmang	Gangani Kharmang
Baseline	17/01/2023	1	WST	25033228001	AJK	Mirpur	Darari West
Baseline	26/01/2023	1	WST	25024316005	AJK	Sudhnoti	Jhanda Bagla
Baseline	27/01/2023	1	WST	25023216002	AJK	Poonch	Kanoli Chatra
Baseline	27/01/2023	1	WST	25023327004	AJK	Poonch	Lower Trasel

**ANNEX-G: VISITING SCHEDULE OF IMPACT SURVEY VISITS DURING REPORTING QUARTER – WATERCOURSES**

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Impact	16/01/2023	3	WC	11042132003	Punjab	Bhakkar	26750/L
Impact	16/01/2023	3	WC	11042132043	Punjab	Bhakkar	74750/R
Impact	17/01/2023	3	WC	11042312003	Punjab	Bhakkar	34000/TL
Impact	18/01/2023	2	WC	11062132036	Punjab	Hafizabad	6730/L
Impact	16/01/2023	1	WC	14032118023	GB	Gilgit	Main Nallah To Mustafa House
Impact	16/01/2023	2	WC	14032118024	GB	Gilgit	Main Channel To Qari Javaid House
Impact	16/01/2023	3	WC	14032315006	GB	Gilgit	Nallah To Junaid Land Pari
Impact	16/01/2023	3	WC	14032317003	GB	Gilgit	Kkh To Ahmed Sayed Land Drot
Impact	17/01/2023	3	WC	14031218030	GB	Ghizer	Gotch Gan Hamuchal Paen Shairqila
Impact	17/01/2023	2	WC	14034216001	GB	Hunza	Tazeem Channel Gojal
Impact	17/01/2023	2	WC	14034915006	GB	Hunza	Maliki Dallah Head To Altit Fort Area
Impact	17/01/2023	1	WC	14035118017	GB	Nagar	Base On Hotel To Yar Mohallah Gulmet
Impact	17/01/2023	1	WC	14035118018	GB	Nagar	Imam Bargah To Mir Muhammad Land Sharyar
Impact	18/01/2023	1	WC	14021118019	GB	Astore	Trashing Main Channel
Impact	18/01/2023	1	WC	14021118020	GB	Astore	Hayat Land
Impact	18/01/2023	2	WC	14031218031	GB	Ghizer	Intake To Khari Hatoon Near Hasis Bridge
Impact	18/01/2023	3	WC	14031918020	GB	Ghizer	Akber House To Fida Land Morkha Yaseen
Impact	18/01/2023	3	WC	14033118012	GB	Ghizer	Qurban House Sadique Land Handarp Polo Ground
Impact	19/01/2023	1	WC	14022115001	GB	Diamer	Wc From Misar Haji House To Wadan House
Impact	19/01/2023	1	WC	14022115002	GB	Diamer	Wc From Nallah To Latti Bala
Impact	19/01/2023	2	WC	14023215002	GB	Diamer	Wc From Nallah To Ghali Dar
Impact	19/01/2023	3	WC	14023218004	GB	Diamer	Wc At Shiniki Het Goner Farm
Impact	20/01/2023	2	WC	14014115044	GB	Skardu	Mir Pi Shahma Sermic
Impact	20/01/2023	3	WC	14014915002	GB	Skardu	Gond Bainsa Bilamik
Impact	20/01/2023	1	WC	14023218005	GB	Diamer	Niat Nallah To Malkush
Impact	20/01/2023	1	WC	14023218009	GB	Diamer	Nallah To Khai Botogha
Impact	23/01/2023	3	WC	14014918005	GB	Skardu	Center Bilamik Roundu From Main Channel To Jingkha
Impact	23/01/2023	3	WC	14014918006	GB	Skardu	Nang Harka Harpo Bala Roundu From Main Channel To Link Road
Impact	23/01/2023	2	WC	14014918007	GB	Skardu	Choliskam From Nallah To Road Talu Roundu

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Impact	23/01/2023	2	WC	14014918008	GB	Skardu	Goma Biala Thowar Roundu
Impact	23/01/2023	1	WC	14014918009	GB	Skardu	Nasaso Yulbu Roundu
Impact	24/01/2023	2	WC	14013115001	GB	Shigar	Gorey Hrka Ned From Main Cool To Ali Ahmad Plot
Impact	24/01/2023	3	WC	14013115002	GB	Shigar	Sarfa Khor Dassu Shiger
Impact	24/01/2023	1	WC	14014915003	GB	Kharmang	Gamba Drong Paari From Community Hall Muhallah Mishyari
Impact	24/01/2023	1	WC	14014915004	GB	Kharmang	Chenger Susithang From Main Channel To Link Road
Impact	25/01/2023	2	WC	14011115004	GB	Ghanche	Gharis Khaplu
Impact	25/01/2023	2	WC	14011115005	GB	Ghanche	Bargani Ranthaq To Sargaib Rzing Khaplu
Impact	25/01/2023	1	WC	14013118001	GB	Shigar	Banpi Yarkhor Tissar From Nallah To Haider Plot
Impact	25/01/2023	1	WC	14013118002	GB	Shigar	Masjid Hrka Kayo Gulabpur From Main Nallah To Main Channel
Impact	26/01/2023	1	WC	14011115007	GB	Ghanche	Muldumar Rzing To Albowa Bagh Khaplu
Impact	26/01/2023	1	WC	14011115008	GB	Ghanche	Oli Harkha Thasqong
Impact	26/01/2023	2	WC	14011115009	GB	Ghanche	Ayub Land To Kacho Land Barah
Impact	26/01/2023	2	WC	14011115010	GB	Ghanche	Xoksi Harka Barah Pain
Impact	16/01/2023	1	WC	13035119002	Balochistan	Sohbatpur	Shafiq Ahmed
Impact	17/02/2023	3	WC	13035111008	Balochistan	Sohbatpur	Ms Tayaba
Impact	17/02/2023	2	WC	13035211021	Balochistan	Sohbatpur	Muhammad Ali
Impact	17/02/2023	2	WC	13035211024	Balochistan	Sohbatpur	Raheem Dad
Impact	17/02/2023	1	WC	13035211033	Balochistan	Sohbatpur	Shafi Muhammad
Impact	20/02/2023	3	WC	13072615001	Balochistan	Killa Saifullah	Muhammad Younus
Impact	20/02/2023	2	WC	13072615002	Balochistan	Killa Saifullah	Mulla Sadiq
Impact	22/02/2023	2	WC	13082119002	Balochistan	Loralai	Ahsan Ullah
Impact	14/03/2023	2	WC	13065113020	Balochistan	Ziarat	Naik Muhammad

**ANNEX-G: VISITING SCHEDULE OF IMPACT SURVEY VISITS DURING REPORTING QUARTER – WATER STORAGE TANK**

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Impact	16/01/2023	3	WST	21041412003	Punjab	Bhakkar	Mian Rehmat Ullah:Ghulam Mustafa
Impact	16/01/2023	3	WST	21042312001	Punjab	Bhakkar	Ahmad Nawaz:Jindu
Impact	16/01/2023	2	WST	21043314006	Punjab	Khushab	Syed Jaffar Abbas:Syed Farukh Abbas
Impact	17/01/2023	3	WST	21042112001	Punjab	Bhakkar	Muhammad Shahid:Mushtaq Ahmad
Impact	17/01/2023	3	WST	21042412008	Punjab	Bhakkar	Muhammad Riaz:Muhammad Rafiq
Impact	18/01/2023	3	WST	21042412009	Punjab	Bhakkar	Nazeer Ahmad:Muhammad Sardar
Impact	16/01/2023	1	WST	24032159014	GB	Gilgit	Dr Qalab Ali Land Jutal Dass
Impact	16/01/2023	2	WST	24032159015	GB	Gilgit	Dawood Land
Impact	17/01/2023	3	WST	24031159005	GB	Ghizer	Imran Land
Impact	17/01/2023	2	WST	24034959007	GB	Hunza	Tajir Land Bull Dass
Impact	17/01/2023	1	WST	24035159002	GB	Nagar	Community Land Duikar
Impact	18/01/2023	1	WST	24021959010	GB	Astore	Wali Shah Land .Mouza:Het
Impact	18/01/2023	2	WST	24033159008	GB	Ghizer	Mirza Khan Land
Impact	19/01/2023	2	WST	24023259009	GB	Diamer	Abdur-Rehman Land
Impact	19/01/2023	3	WST	24023259010	GB	Diamer	Sher Alam Land
Impact	20/01/2023	2	WST	24014159012	GB	Skardu	Murtaza Abad Qumra
Impact	20/01/2023	3	WST	24014159014	GB	Skardu	Khosho Chumik Skardu
Impact	24/01/2023	2	WST	24013159013	GB	Shigar	Ghazi Abad Wazir Pur Shiger
Impact	24/01/2023	3	WST	24013159014	GB	Shigar	Tharanpa Alchori Shiger
Impact	24/01/2023	1	WST	24014959008	GB	Kharmang	Gangani Kharmang
Impact	02/01/2023	1	WST	23043152035	Balochistan	Pishin	Malak Ahmed Khan
Impact	05/01/2023	3	WST	23041652001	Balochistan	Quetta	Muhammad Anwar
Impact	05/01/2023	2	WST	23041752004	Balochistan	Quetta	Haji Amanullah
Impact	05/01/2023	3	WST	23041752007	Balochistan	Quetta	Abdul Hameed
Impact	06/01/2023	1	WST	23041152010	Balochistan	Quetta	Abdul Khaliq
Impact	09/01/2023	1	WST	23041152008	Balochistan	Quetta	Zafar ullah
Impact	09/01/2023	2	WST	23041752019	Balochistan	Quetta	Saifullah
Impact	25/01/2023	1	WST	23031752002	Balochistan	Nasirabad	Sanaullah
Impact	02/02/2023	3	WST	23043152007	Balochistan	Pishin	Abdul Qadeer

Survey Type	Survey Date	Team.#	Intervention	Scheme ID	Zone	District	Scheme Name
Impact	03/02/2023	3	WST	23043852001	Balochistan	Pishin	Ameenullah
Impact	06/02/2023	3	WST	23043152037	Balochistan	Pishin	Malak Habib Ur Rehman
Impact	06/02/2023	2	WST	23043739002	Balochistan	Pishin	Haji Alam Khan
Impact	13/02/2023	1	WST	23034239004	Balochistan	Kachi	Imran Khan
Impact	15/02/2023	3	WST	23015252007	Balochistan	Mastung	Shaib Khan
Impact	15/02/2023	1	WST	23015352001	Balochistan	Mastung	Abdul Baqi
Impact	15/02/2023	2	WST	23015959038	Balochistan	Mastung	Qudrat Ullah
Impact	16/02/2023	2	WST	23015252001	Balochistan	Mastung	Abdul Samad
Impact	16/02/2023	1	WST	23015259013	Balochistan	Mastung	Mohammad Alim
Impact	20/02/2023	2	WST	23072152004	Balochistan	Killa Saifullah	Abdul Wahab
Impact	20/02/2023	3	WST	23072152052	Balochistan	Killa Saifullah	Shamsu-Ur Rehman
Impact	20/02/2023	1	WST	23072652034	Balochistan	Killa Saifullah	Muhammad Rahim
Impact	22/02/2023	2	WST	23081152006	Balochistan	Loralai	Abdul Jalil
Impact	22/02/2023	3	WST	23081152007	Balochistan	Loralai	Abdul Mateen
Impact	22/02/2023	1	WST	23081152026	Balochistan	Loralai	Noorullah
Impact	23/02/2023	2	WST	23081152004	Balochistan	Loralai	Abdul Hadi
Impact	23/02/2023	3	WST	23081152066	Balochistan	Loralai	A Ghafar
Impact	27/02/2023	1	WST	23031251001	Balochistan	Nasirabad	Allah Dina
Impact	14/03/2023	2	WST	23065152006	Balochistan	Ziarat	Naseebullah
Impact	15/03/2023	2	WST	23065152001	Balochistan	Ziarat	Arifullah
Impact	15/03/2023	3	WST	23065152007	Balochistan	Ziarat	Noor Muhammad

## ANNEX-H: PICTORIAL VIEW OF IMPACT SURVEY FIELD VISITS DURING REPORTING QUARTER









**ANNEX-I: AJK - WATERCOURSES DATA SUBMISSIONS**

AJK - WATERCOURSES DATA SUBMISSIONS - SUMMARY								
DIVISION	DISTRICT	COMPLETED	WORK ORDER CANCELLED	UNDER PROGRESS				OVERALL
				1ST MILESTONE	2ND MILESTONE	WORK ORDER ISSUED	WORK ORDER PENDING	
Muzaffarabad	Muzaffarabad	71	5	2	5	13	12	108
	Jhelum	18	0	6	0	14	6	44
	Neelum	27	12	11	3	13	0	66
<b>Muzaffarabad Total</b>		<b>116</b>	<b>17</b>	<b>19</b>	<b>8</b>	<b>40</b>	<b>18</b>	<b>218</b>
Poonch	Poonch	34	10	4	1	2	4	55
	Bagh	24	14	4	0	1	7	50
	Haveli	6	9	2	0	4	8	29
	Sudhnoti	22	16	1	0	1	0	40
<b>Poonch Total</b>		<b>86</b>	<b>49</b>	<b>11</b>	<b>1</b>	<b>8</b>	<b>19</b>	<b>174</b>
Mirpur	Mirpur	71	2	0	0	4	23	100
	Bhimber	106	0	1	0	0	10	117
	Kotli	32	22	5	0	1	3	63
<b>Mirpur Total</b>		<b>209</b>	<b>24</b>	<b>6</b>	<b>0</b>	<b>5</b>	<b>36</b>	<b>280</b>
<b>Overall</b>		<b>411</b>	<b>90</b>	<b>36</b>	<b>9</b>	<b>53</b>	<b>73</b>	<b>672</b>

**ANNEX-J: AJK - WST/WHS DATA SUBMISSIONS**

DIVISION	DISTRICT	COMPLETED	WORK ORDER CANCELLED	UNDER PROGRESS		OVERALL
				WORK ORDER ISSUED	WORK ORDER PENDING	
<b>Muzaffarabad</b>	Muzaffarabad	134	3	6	14	157
	Jhelum	11	0	13	3	27
<b>Muzaffarabad Total</b>		<b>145</b>	<b>3</b>	<b>19</b>	<b>17</b>	<b>184</b>
<b>Poonch</b>	Poonch	49	19	5	21	94
	Bagh	37	18	5	23	83
	Haveli	15	16	14	33	78
	Sudhnoti	12	13	15	7	47
<b>Poonch Total</b>		<b>113</b>	<b>66</b>	<b>39</b>	<b>84</b>	<b>302</b>
<b>Mirpur</b>	Mirpur	10	3	2	6	21
	Bhimber	11	0	0	8	19
	Kotli	27	12	1	3	43
<b>Mirpur Total</b>		<b>48</b>	<b>15</b>	<b>3</b>	<b>17</b>	<b>83</b>
<b>Overall</b>		<b>306</b>	<b>84</b>	<b>61</b>	<b>118</b>	<b>569</b>

ANNEX-K: KP - WATERCOURSE DATA SUBMISSION - SUMMARY

KP - WATERCOURSE DATA SUBMISSION - SUMMARY								
DIVISION	DISTRICT	COMPLETED	WORK ORDER CANCELLED	UNDER PROGRESS				OVERALL
				1ST MILESTONE	2ND MILESTONE	WORK ORDER ISSUED	WORK ORDER PENDING	
Bajaur Agency	Bajaur	51	0	6	3	13	6	79
<b>Bajaur Agency Total</b>		<b>51</b>	<b>0</b>	<b>6</b>	<b>3</b>	<b>13</b>	<b>6</b>	<b>79</b>
Bannu	Bannu	96	0	0	14	0	0	110
Bannu	Lakki Marwat	119	0	0	0	0	0	119
<b>Bannu Total</b>		<b>215</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>229</b>
D.I. Khan	D.I. Khan	508	0	3	0	0	0	511
D.I. Khan	Tank	39	0	0	0	0	0	39
<b>D.I. Khan Total</b>		<b>547</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>550</b>
Hazara	Abbottabad	27	0	1	1	0	0	29
Hazara	Battagram	39	0	3	0	0	0	42
Hazara	Haripur	54	0	0	2	0	0	56
Hazara	Lower Kohistan	7	0	0	0	13	1	21
Hazara	Mansehra	89	0	0	41	1	2	133
Hazara	Torghar	34	2	0	0	1	0	37
Hazara	Upper Kohistan	9	0	0	0	0	8	17
Hazara	Kolai Pallas	2	0	0	0	0	0	2
<b>Hazara Total</b>		<b>261</b>	<b>2</b>	<b>4</b>	<b>44</b>	<b>15</b>	<b>11</b>	<b>337</b>
Khyber Agency	Khyber	19	0	0	0	5	2	26
<b>Khyber Agency Total</b>		<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>2</b>	<b>26</b>
Kohat	Hangu	42	0	0	0	0	0	42
Kohat	Karak	67	0	0	1	0	0	68
Kohat	Kohat	62	0	0	0	0	0	62
<b>Kohat Total</b>		<b>171</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>172</b>
Kurram Agency	Kurram	9	0	0	1	0	1	11
<b>Kurram Agency Total</b>		<b>9</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>11</b>
Malakand	Buner	95	0	0	0	0	0	95
Malakand	Chitral	90	0	1	0	0	0	91
Malakand	Lower Dir	71	0	6	15	29	6	127
Malakand	Malakand	71	0	0	0	1	1	73
Malakand	Shangla	39	0	0	0	0	0	39
Malakand	Swat	170	3	35	57	1	21	287
Malakand	Upper Dir	85	0	0	13	0	0	98
<b>Malakand Total</b>		<b>621</b>	<b>3</b>	<b>42</b>	<b>85</b>	<b>31</b>	<b>28</b>	<b>810</b>
Mardan	Mardan	135	0	1	1	4	0	141
Mardan	Swabi	97	0	1	33	0	3	134
<b>Mardan Total</b>		<b>232</b>	<b>0</b>	<b>2</b>	<b>34</b>	<b>4</b>	<b>3</b>	<b>275</b>
Mohmand Agency	Upper Mohmand	32	0	0	0	0	0	32
Mohmand Agency	Lower Mohmand	11	0	0	0	0	0	11
<b>Mohmand Agency Total</b>		<b>43</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>43</b>
Orakzai Agency	Orakzai	1	0	0	0	0	0	1
<b>Orakzai Agency Total</b>		<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>
Peshawar	Charsadda	135	1	0	0	15	1	152
Peshawar	Nowshera	97	0	0	0	1	2	100
Peshawar	Peshawar	24	1	3	3	4	5	40
<b>Peshawar Total</b>		<b>256</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>20</b>	<b>8</b>	<b>292</b>
S.W Agency	S.W Agency	31	0	0	0	1	0	32
<b>S.W Agency Total</b>		<b>31</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>32</b>
N.W Agency	N.W Agency	5	0	0	0	0	6	11
<b>N.W Agency Total</b>		<b>5</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>11</b>
<b>Overall</b>		<b>2462</b>	<b>7</b>	<b>60</b>	<b>185</b>	<b>89</b>	<b>65</b>	<b>2868</b>

ANNEX -L: KP - WST DATA SUBMISSION - SUMMARY

DIVISION	DISTRICT	COMPLETED	UNDER PROGRESS				OVERALL
			1ST MILESTONE	2ND MILESTONE	WORK ORDER ISSUED	WORK ORDER PENDING	
Bajaur Agency	Bajaur	17	0	0	1	3	21
<b>Bajaur Agency Total</b>		<b>17</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>21</b>
Bannu	Bannu	11	0	1	0	1	13
Bannu	Lakki Marwat	35	0	0	0	0	35
<b>Bannu Total</b>		<b>46</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>48</b>
D.I. Khan	D.I. Khan	83	1	1	5	0	90
D.I. Khan	Tank	16	0	0	0	0	16
<b>Dera Ismail Khan Total</b>		<b>99</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>0</b>	<b>106</b>
Hazara	Abbottabad	18	0	0	0	0	18
Hazara	Battagram	25	0	0	4	0	29
Hazara	Haripur	2	0	0	0	0	2
Hazara	Kolai Pallas	2	0	0	2	0	4
Hazara	Lower Kohistan	0	0	0	0	1	1
Hazara	Mansehra	25	1	1	3	0	30
Hazara	Torghar	17	0	0	1	0	18
Hazara	Upper Kohistan	7	0	0	0	6	13
<b>Hazara Total</b>		<b>96</b>	<b>1</b>	<b>1</b>	<b>10</b>	<b>7</b>	<b>115</b>
Khyber Agency	Khyber	10	0	0	6	6	22
<b>Khyber Agency Total</b>		<b>10</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>6</b>	<b>22</b>
Kohat	Hangu	14	0	0	0	0	14
Kohat	Karak	60	0	0	0	0	60
Kohat	Kohat	4	0	0	0	0	4
<b>Kohat Total</b>		<b>78</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78</b>
Kurram Agency	Kurram	2	0	0	0	0	2
<b>Kurram Agency Total</b>		<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
Malakand	Buner	43	0	0	0	0	43
Malakand	Chitral	21	0	0	0	0	21
Malakand	Lower Dir	16	2	5	12	0	35
Malakand	Malakand	19	0	0	0	0	19
Malakand	Shangla	21	0	0	1	0	22
Malakand	Swat	99	3	7	31	24	164
Malakand	Upper Dir	35	1	0	1	1	38
<b>Malakand Total</b>		<b>254</b>	<b>6</b>	<b>12</b>	<b>45</b>	<b>25</b>	<b>342</b>
Mardan	Mardan	33	0	0	1	0	34
Mardan	Swabi	18	0	2	0	1	21
<b>Mardan Total</b>		<b>51</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>55</b>
Mohmand Agency	Mohmand	41	0	0	0	0	41
<b>Mohmand Agency Total</b>		<b>41</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>41</b>
Orakzai Agency	Orakzai	2	0	0	0	0	2
<b>Orakzai Agency Total</b>		<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>
Peshawar	Charsadda	13	0	0	1	0	14
Peshawar	Nowshera	62	0	0	0	0	62
Peshawar	Peshawar	24	3	2	13	6	48
<b>Peshawar Total</b>		<b>99</b>	<b>3</b>	<b>2</b>	<b>14</b>	<b>6</b>	<b>124</b>
S.W Agency	S.W Agency	30	0	0	0	0	30
<b>S.W Agency Total</b>		<b>30</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>30</b>
N.W Agency	N.W Agency	8	0	0	5	4	17
<b>N.W Agency Total</b>		<b>8</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>4</b>	<b>17</b>
<b>Overall</b>		<b>833</b>	<b>11</b>	<b>19</b>	<b>87</b>	<b>53</b>	<b>1003</b>

**ANNEX-M: BALOCHISTAN - WATERCOURSE DATA SUBMISSION - SUMMARY**

DIVISION	DISTRICT	COMPLETED	UNDER PROGRESS				OVERALL
			1ST MILESTONE	2ND MILESTONE	TS ISSUED	TS PENDING	
Kalat	Awaran	111	0	0	0	22	133
Kalat	Kalat	124	0	0	0	96	220
Kalat	Khuzdar	142	0	0	0	3	145
Kalat	Lasbela	146	0	0	0	29	175
Kalat	Mastung	115	0	0	0	53	168
Kalat	Surab	0	0	0	0	40	40
<b>Kalat Total</b>		<b>638</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>243</b>	<b>881</b>
Loralai	Barkhan	55	0	0	0	0	55
Loralai	Duki	0	0	0	42	1	43
Loralai	Loralai	155	0	0	0	158	313
Loralai	Musakhail	142	0	0	0	0	142
<b>Loralai Total</b>		<b>352</b>	<b>0</b>	<b>0</b>	<b>42</b>	<b>159</b>	<b>553</b>
Makran	Gwadar	20	0	0	0	0	20
Makran	Kech	56	0	0	8	0	64
Makran	Panjgur	74	0	0	2	30	106
<b>Makran Total</b>		<b>150</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>30</b>	<b>190</b>
Nasirabad	Jaffarabad	85	0	0	0	56	141
Nasirabad	Jhal Magsi	21	0	0	0	0	21
Nasirabad	Kachi	0	0	0	17	62	79
Nasirabad	Nasirabad	52	0	0	0	108	160
Nasirabad	Sohbatpur	0	0	0	0	72	72
<b>Nasirabad Total</b>		<b>158</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>298</b>	<b>473</b>
Quetta	Killa Abdullah	105	0	0	0	0	105
Quetta	Pishin	117	0	0	0	46	163
Quetta	Quetta	39	0	0	1	28	68
<b>Quetta Total</b>		<b>261</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>74</b>	<b>336</b>
Rakhshan	Chaghi	75	0	0	0	0	75
Rakhshan	Kharan	26	0	0	0	11	37
Rakhshan	Nushki	0	0	0	38	59	97
Rakhshan	Washuk	18	0	0	0	2	20
<b>Rakhshan Total</b>		<b>119</b>	<b>0</b>	<b>0</b>	<b>38</b>	<b>72</b>	<b>229</b>
Sibi	Dera Bugti	30	0	0	0	64	94
Sibi	Harnai	40	0	0	0	0	40
Sibi	Kohlu	0	56	0	0	0	56
Sibi	Sibi	33	0	0	0	20	53
Sibi	Ziarat	60	0	0	1	0	61
<b>Sibi Total</b>		<b>163</b>	<b>56</b>	<b>0</b>	<b>1</b>	<b>84</b>	<b>304</b>
Zhob	Killa Saifullah	123	0	0	0	72	195
Zhob	Sherani	25	0	0	1	36	62
Zhob	Zhob	56	0	0	12	7	75
<b>Zhob Total</b>		<b>204</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>115</b>	<b>332</b>
<b>Overall</b>		<b>2045</b>	<b>56</b>	<b>0</b>	<b>122</b>	<b>1075</b>	<b>3298</b>

ANNEX-N: BALOCHISTAN - WST DATA SUBMISSION - SUMMARY

DIVISION	DISTRICT	COMPLETED	UNDER PROGRESS				OVERALL
			1ST MILESTONE	2ND MILESTONE	TS ISSUED	TS PENDING	
Kalat	Awaran	55	0	0	0	29	84
Kalat	Kalat	83	0	0	0	29	112
Kalat	Khuzdar	68	0	0	0	8	76
Kalat	Lasbela	76	0	0	0	32	108
Kalat	Mastung	89	0	0	1	11	101
Kalat	Surab	0	0	0	0	29	29
<b>Kalat Total</b>		<b>371</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>138</b>	<b>510</b>
Loralai	Barkhan	47	0	0	0	6	53
Loralai	Duki	0	0	0	16	13	29
Loralai	Loralai	48	0	0	0	53	101
Loralai	Musakhail	26	0	0	0	0	26
<b>Loralai Total</b>		<b>121</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>72</b>	<b>209</b>
Makran	Gwadar	7	0	0	0	0	7
Makran	Kech	35	0	0	0	21	56
Makran	Panjgur	26	0	0	0	124	150
<b>Makran Total</b>		<b>68</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>145</b>	<b>213</b>
Nasirabad	Jaffarabad	8	0	0	0	9	17
Nasirabad	Jhal Magsi	24	0	0	0	0	24
Nasirabad	Kachi	0	0	0	13	62	75
Nasirabad	Nasirabad	0	0	0	0	17	17
Nasirabad	Sohbatpur	1	0	0	0	13	14
<b>Nasirabad Total</b>		<b>33</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>101</b>	<b>147</b>
Quetta	Killa Abdullah	22	0	0	0	0	22
Quetta	Pishin	56	0	0	0	47	103
Quetta	Quetta	33	0	0	0	21	54
<b>Quetta Total</b>		<b>111</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68</b>	<b>179</b>
Rakhshan	Chaghi	33	0	0	0	13	46
Rakhshan	Kharan	15	0	0	0	14	29
Rakhshan	Nushki	0	0	0	29	32	61
Rakhshan	Washuk	4	0	0	0	9	13
<b>Rakhshan Total</b>		<b>52</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>68</b>	<b>149</b>
Sibi	Dera Bugti	0	0	0	0	39	39
Sibi	Harnai	20	0	0	0	0	20
Sibi	Kohlu	0	0	0	0	2	2
Sibi	Sibi	13	0	0	0	10	23
Sibi	Ziarat	10	0	0	0	11	21
<b>Sibi Total</b>		<b>43</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>62</b>	<b>105</b>
Zhob	Killa Saifullah	21	0	0	0	86	107
Zhob	Sherani	9	0	0	1	14	24
Zhob	Zhob	70	0	0	5	3	78
<b>Zhob Total</b>		<b>100</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>103</b>	<b>209</b>
<b>Overall</b>		<b>899</b>	<b>0</b>	<b>0</b>	<b>65</b>	<b>757</b>	<b>1721</b>

**ANNEX-O: PUNJAB - WATERCOURSE DATA SUBMISSION - SUMMARY**

DIVISION	DISTRICT	COMPLETED	UNDER PROGRESS				OVERALL
			1ST MILESTONE	2ND MILESTONE	WORK ORDER ISSUED	WORK ORDER PENDING	
Bahawalpur	Bahawalnagar	220	0	0	0	0	220
Bahawalpur	Bahawalpur	154	0	0	0	0	154
Bahawalpur	Rahim Yar Khan	331	0	0	0	0	331
<b>Bahawalpur Total</b>		<b>705</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>705</b>
Dera Ghazi Khan	Dera Ghazi Khan	118	0	0	0	0	118
Dera Ghazi Khan	Layyah	126	0	0	0	0	126
Dera Ghazi Khan	Muzaffargarh	133	0	0	0	0	133
Dera Ghazi Khan	Rajanpur	119	0	0	0	0	119
<b>Dera Ghazi Khan Total</b>		<b>496</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>496</b>
Faisalabad	Chiniot	34	0	0	0	0	34
Faisalabad	Faisalabad	130	0	0	0	0	130
Faisalabad	Jhang	99	0	0	0	0	99
Faisalabad	Toba Tek Singh	124	0	0	0	0	124
<b>Faisalabad Total</b>		<b>387</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>387</b>
Gujranwala	Gujranwala	101	0	0	0	0	101
Gujranwala	Narowal	16	0	0	0	0	16
Gujranwala	Sialkot	84	0	0	0	0	84
<b>Gujranwala Total</b>		<b>201</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>201</b>
Gujrat	Gujrat	35	0	0	0	0	35
Gujrat	Hafizabad	85	0	0	0	0	85
Gujrat	Mandi Bahauddin	79	0	0	0	0	79
<b>Gujrat Total</b>		<b>199</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>199</b>
Lahore	Kasur	83	0	0	0	0	83
Lahore	Lahore	23	0	0	0	0	23
Lahore	Nankana Sahib	50	0	0	0	0	50
Lahore	Sheikhupura	99	0	0	0	0	99
<b>Lahore Total</b>		<b>255</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>255</b>
Multan	Khanewal	123	0	0	0	0	123
Multan	Lodhran	154	0	0	0	0	154
Multan	Multan	153	0	0	0	0	153
Multan	Vehari	132	0	0	0	0	132
<b>Multan Total</b>		<b>562</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>562</b>
Sahiwal	Okara	136	0	0	0	0	136
Sahiwal	Pakpattan	121	0	0	0	0	121
Sahiwal	Sahiwal	145	0	0	0	0	145
<b>Sahiwal Total</b>		<b>402</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>402</b>
Sargodha	Bhakkar	183	0	0	0	0	183
Sargodha	Khushab	80	0	0	0	0	80
Sargodha	Mianwali	146	0	0	0	0	146
Sargodha	Sargodha	146	0	0	0	0	146
<b>Sargodha Total</b>		<b>555</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>555</b>
<b>Grand Total</b>		<b>3762</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3762</b>

**ANNEX-P: PUNJAB – WATER STORAGE POND DATA SUBMISSION – SUMMARY**

DIVISION	DISTRICT	COMPLETED	UNDER PROGRESS		OVERALL
			TS ISSUED	TS PENDING	
Bahawalpur	Bahawalnagar	51	0	0	51
Bahawalpur	Bahawalpur	42	0	0	42
Bahawalpur	Rahim Yar Khan	67	0	0	67
<b>Bahawalpur Total</b>		<b>160</b>	<b>0</b>	<b>0</b>	<b>160</b>
Dera Ghazi Khan	Dera Ghazi Khan	33	0	0	33
Dera Ghazi Khan	Layyah	18	0	0	18
Dera Ghazi Khan	Muzaffargarh	21	0	0	21
Dera Ghazi Khan	Rajanpur	8	0	0	8
<b>Dera Ghazi Khan Total</b>		<b>80</b>	<b>0</b>	<b>0</b>	<b>80</b>
Faisalabad	Chiniot	8	0	0	8
Faisalabad	Faisalabad	35	0	0	35
Faisalabad	Jhang	31	0	0	31
Faisalabad	Toba Tek Singh	55	0	0	55
<b>Faisalabad Total</b>		<b>129</b>	<b>0</b>	<b>0</b>	<b>129</b>
Gujranwala	Gujranwala	2	0	0	2
Gujranwala	Sialkot	4	0	0	4
<b>Gujranwala Total</b>		<b>6</b>	<b>0</b>	<b>0</b>	<b>6</b>
Gujrat	Gujrat	26	0	0	26
Gujrat	Hafizabad	13	0	0	13
Gujrat	Mandi Baha-Ud-Din	2	0	0	2
<b>Gujrat Total</b>		<b>41</b>	<b>0</b>	<b>0</b>	<b>41</b>
Khushab	Khushab	28	0	0	28
<b>Khushab Total</b>		<b>28</b>	<b>0</b>	<b>0</b>	<b>28</b>
Lahore	Kasur	7	0	0	7
Lahore	Lahore	2	0	0	2
Lahore	Nankana Sahib	3	0	0	3
Lahore	Sheikhupura	2	0	0	2
<b>Lahore Total</b>		<b>14</b>	<b>0</b>	<b>0</b>	<b>14</b>
Multan	Khanewal	22	0	0	22
Multan	Lodhran	14	0	0	14
Multan	Multan	17	0	0	17
Multan	Vehari	14	0	0	14
<b>Multan Total</b>		<b>67</b>	<b>0</b>	<b>0</b>	<b>67</b>
Rawalpindi	Attock	79	0	0	79
Rawalpindi	Chakwal	155	0	0	155
Rawalpindi	Jhelum	63	0	0	63
Rawalpindi	Rawalpindi	71	0	0	71
<b>Rawalpindi Total</b>		<b>368</b>	<b>0</b>	<b>0</b>	<b>368</b>
Sahiwal	Okara	19	0	0	19
Sahiwal	Pakpattan	15	0	0	15
Sahiwal	Sahiwal	5	0	0	5
<b>Sahiwal Total</b>		<b>39</b>	<b>0</b>	<b>0</b>	<b>39</b>
Sargodha	Bhakkar	19	0	0	19
Sargodha	Mianwali	3	0	0	3
Sargodha	Sargodha	35	0	0	35
<b>Sargodha Total</b>		<b>57</b>	<b>0</b>	<b>0</b>	<b>57</b>
<b>Sahiwal Total</b>		<b>989</b>	<b>0</b>	<b>0</b>	<b>989</b>

**ANNEX-Q: GB – WATERCOURSE DATA SUBMISSION – SUMMARY**

DIVISION	DISTRICT	COMPLETED	UNDER PROGRESS		OVERALL
			TS ISSUED	TS PENDING	
Gilgit	Astore	44	0	0	44
Gilgit	Diamer	125	0	0	125
Gilgit	Ghizer	102	0	0	102
Gilgit	Gilgit	109	0	0	109
Gilgit	Hunza	35	0	0	35
Gilgit	Nagar	30	0	0	30
<b>Gilgit Total</b>		<b>445</b>	<b>0</b>	<b>0</b>	<b>445</b>
Skardu	Ghanche	113	0	0	113
Skardu	Kharmang	42	0	0	42
Skardu	Shigar	68	0	0	68
Skardu	Skardu	141	0	0	141
<b>Skardu Total</b>		<b>364</b>	<b>0</b>	<b>0</b>	<b>364</b>
<b>Overall</b>		<b>809</b>	<b>0</b>	<b>0</b>	<b>809</b>

**ANNEX-R: GB WATER STORAGE POND DATA SUBMISSION – SUMMARY**

DIVISION	DISTRICT	COMPLETED	UNDER PROGRESS		OVERALL
			TS ISSUED	TS PENDING	
Gilgit	Astore	19	0	0	19
Gilgit	Diamer	50	0	0	50
Gilgit	Ghizer	45	0	0	45
Gilgit	Gilgit	60	0	0	60
Gilgit	Hunza	12	0	0	12
Gilgit	Nagar	14	0	0	14
<b>Gilgit Total</b>		<b>200</b>	<b>0</b>	<b>0</b>	<b>200</b>
Skardu	Kharmang	24	0	0	24
Skardu	Shigar	49	0	0	49
Skardu	Skardu	55	0	0	55
<b>Skardu Total</b>		<b>128</b>	<b>0</b>	<b>0</b>	<b>128</b>
<b>Overall</b>		<b>328</b>	<b>0</b>	<b>0</b>	<b>328</b>