

Loan and Grant Numbers: L3473-PAK; L3474-PAK (SF); TA9246-PAK; Grant 0519-PAK

## **Semi Annual Environmental Performance Report**

National Disaster Risk Management Fund (NDRMF), Pakistan

**Prepared by:** NDRMF Environmental Safeguards Team

**June 2020**

## Table of Contents

---

<b>1. Introduction</b>	<b>1</b>
1.1. Preamble	1
1.2. Background	1
1.3. Purpose of the Report	2
<b>2. Fund Implementing Partners (FIPs)</b>	<b>3</b>
<b>3. Screening and Review Procedures</b>	<b>3</b>
3.1. Accreditation of FIPs	3
3.2. Review of Projects Proposal-Environmental Safeguards	5
3.3. Screening and Categorization of Proposals/Projects	6
3.4. Due Diligence of Projects	8
3.5. Field Visits	9
<b>4. Environmental Assessments and Reporting</b>	<b>9</b>
4.1. Environmental Approvals	9
4.2. Information Disclosure	10
<b>5. Training and Capacity Building</b>	<b>10</b>
<b>6. Grant Implementation Agreements (GIAs)</b>	<b>13</b>
<b>7. ESMS Revision</b>	<b>13</b>
<b>8. Projects' Implementation Status</b>	<b>14</b>
<b>8.1. Punjab Irrigation Department (PID)</b>	<b>21</b>
8.1.1. Rehabilitation of Hajipur Gujran Flood Protection Bund from Rd 0+000 to Rd 37+750'	21
8.1.2. Restoration of Jalala Flood Protection Bund from Rd 0+000 to Rd 26+700	21
8.1.3. Rehabilitation Old Deg Nullah from DCC to QB Link Canal (RD 0+000 TO RD 103+000)	21
8.1.4. Protecting Village Abadied Shahapur Changora, Fatehpur Gujran, Suko Chak, Chakra, Negrota, Khosa & Gole against Erosive Action of Bein Nullah	21
<b>8.2. COVID-19 Emergency Projects Measures</b>	<b>22</b>
8.2.1. NDMA preparedness and response project	22
8.2.2. Emergency Assistance for Fighting Against COVID-19 Pandemic	22
<b>9. Compliance Monitoring</b>	<b>22</b>
<b>10. Grievance Redress Mechanism</b>	<b>23</b>
<b>11. Lessons Learned</b>	<b>25</b>
<b>12. Way Forward:</b>	<b>25</b>
<b>Annex- 1: List of Training Participants</b>	<b>26</b>

<b>The following potential non-government FIPs attended the two-day training.</b>	<b>26</b>
<b>Annex-2- Field Visit Pictures</b>	<b>27</b>
<b>Annex 3. PID Project Implementation Pictures</b>	<b>31</b>
<b>Annex 4. Environmental Management Plan Compliance Checklist for Field Visit</b>	<b>33</b>

## **Table of Figures**

---

<i>Figure 1: Internal Work Flow for Accreditation process</i>	
<i>Figure 2: Portfolio Summary</i>	
<b>Figure 3: Project Proposal Development Process</b>	<b>6</b>
<b>Figure 4: Type of interventions</b>	<b>8</b>
<i>Figure 5: Group photo training participants</i>	
<b>Figure 6: Phases of the project</b>	<b>23</b>
<b>Figure 7: GRM System</b>	

## **List of Tables**

---

<b>Table 1: Rating for Public and Non-Public Sector Entities</b>	<b>4</b>
<b>Table 2: ESMS Categorization</b>	<b>7</b>
<b>Table 3: Approved Projects Status (GIA, DDR and IEE)</b>	<b>15</b>
<b>Table 4: Project Wise Work Progress</b>	<b>19</b>

## List of Acronyms

---

ADB	Asian Development Bank
AKF	Agha Khan Foundation
CAP	Corrective Action Plan
CBDRM	Community Based Disaster Risk Management
CEMP	Construction Environmental Management Plan
DDMA	District Disaster Management Authority
DDRs	Due Diligence Reports
DRR	Disaster Risk Reduction
EAL	Emergency Assistance Loan
EMP	Environmental Management Plan
EPAs	Environmental Protection Agencies
ESMS	Environmental and Social Management System
FIPs	Fund Implementing Partners
GB	Gilgit Baltistan
GIA	Grant Implementation Agreement
GoP	Government of Pakistan
GRM	Grievance Redress Mechanism
IEE	Initial Environmental Examination
IPPC	Initial Project Proposal Concept
IRP	Islamic Relief Pakistan
ISPC	Initial Subproject Concepts
KP	Khyber Pakhtunkhwa
MAP	Muslim Aid Pakistan
NDMP	National Disaster Management Plan
NDRMF	National Disaster Risk Management Fund
NFPP	National Flood Protection Plan
NGOs	Non-Government Organization
NPSE	Non Public Sector Entities

NPSEs	Non-Public Sector Entities
PAM	Project Implementation Manual
PDMA	Provincial Disaster Management Authority
PEPA	Pakistan Environmental Protection Act
PIAL	Prohibited Activities Investment List
PID	Punjab Irrigation Department
PMD	Pakistan Meteorological Organization
PPAF	Pakistan Poverty Alleviation Fund
PPE	Personal Protective Equipment
PRCS	Pakistan Red Crescent Society
REA	Rapid Environmental Assessment
SAEPR	Semi Annual Environmental Performance Report
SGU	Safeguards Unit
SID	Sindh Irrigation Department
SPS	Safeguard Policy Statement
TA	Technical Assistance
UN	United Nations

# 1. Introduction

## 1.1. Preamble

1. This report presents the Semi-annual Environmental Performance of NDRMF's first phase projects, for disaster risk reduction and management in vulnerable areas across the country for the period from July 2018 till June 2020. The rationale for this Semi Annual Environmental Performance Report (SAEPR) is that Punjab Irrigation Department commenced civil works and rest of the projects are yet to be initiated. However, ESMS compliance has been ensured for all projects during the accreditation, review of Initial Project Proposal Concept (IPPC), environmental screening and categorization, appraisal and Grant Implementation Agreement (GIAs) phases.

## 1.2. Background

2. The Government of the Islamic Republic of Pakistan (GoP) has established National Disaster Risk Management Fund (NDRMF) to institutionalize a mechanism to enhance Pakistan's resilience against disasters by strengthening the government's ability for quick response to future disasters triggered by natural hazards. The Fund focuses on: (i) Disaster Risk Reduction; (ii) Design, development and seeding of disaster risk financing strategies and instruments; and (iii) partnerships with other organizations to provide relief and recovery support, including livelihood restoration initiatives and reconstruction and rehabilitation of key public infrastructure. NDRMF provides a common mechanism to pool various contributions from a diverse base of contributors and serves as a vehicle for donor coordination on disaster risk management by the government.
3. The NDRMF supports existing government entities and civil society organizations, involved in Disaster Risk Management, including the National Disaster Management Authority (NDMA), Provincial Disaster Management Authorities (PDMA), District Disaster Management Authorities (DDMA), etc. The Fund is in line with existing policies and strategies of the GOP to address disasters, including (i) the Disaster Risk Reduction Policy (2013); (ii) Climate Change Policy (2013); (iii) Vision 2025; (iv) National Disaster Management Plan 2013-2022 (NDMP); (v) the draft National Flood Protection Plan IV (NFPP) (2016-2025); and (vi) Post-2015 Sendai Framework for Disaster Risk Reduction, 2015-2030.
4. The environmental and social policies (ESMS) of the Fund adhere to the requirements of national legal and regulatory, and international ratified conventions and agreement. It has helped establish a good reputation of the Fund among donors, civil society, Fund Implementing Partners (FIPs) and other national and international stakeholders to ensure its E&S practices are in line with international standards and international best practices such as ADB requirements for financial intermediaries. In addition to this, the Fund also complies with environment and social policies of the respective Financing Source(s).
5. The purpose of NDRMF's environment and social management system (ESMS) was to integrate environment safeguards into the overall management system and provide

operational guidance to the Fund staff and FIPs in preparing subprojects and develop mechanism for effective monitoring/auditing and compliance.

6. The Fund has been awarded the ISO 14001:2015 certificate during the reporting period for having well established environmental management system to avoid, mitigate and or reduce any potential adverse impacts on environment from the NDRMF funded projects interventions.

### **1.3. Purpose of the Report**

7. This is a consolidated report on implementation of environmental safeguards activities carried out during the reporting period and has been prepared in compliance with the ADB and NDRMF policies. The benchmark for performance is the ongoing compliance against the applicable environmental safeguard requirements.
8. This report is based on the information furnished by the FIPs in the quarterly progress reports and the Fund's environmental safeguards team compliance monitoring tools i.e. formal meetings, project documents review and field visits.

## **2. Fund Implementing Partners (FIPs)**

9. The FIPs for NDRMF are the government entities, international donors, civil society, and academia. The FIPs have been accredited through a detailed process consisting of a rigorous review of the applicant entity for its organizational procedures, guidelines including safeguards (environment, social and gender).
10. Accredited FIPs are then required to submit an application for financing (Initial Sub-Project Concept/ISPC) based on the criteria approved by the NDRMF Board and scope of activities in line with NDMP and NFPP-IV. ISPCs are reviewed and screened for environmental safeguards impacts, risks and recommend appropriate assessment plans.

## **3. Screening and Review Procedures**

### **3.1. Accreditation of FIPs**

11. NDRMF in pursuance of Project Implementation Manual (PAM) para 35, developed the accreditation and proposal submission process including accreditation criteria for private and public sector entities to work in partnership with NDRMF. The main purpose of accreditation was to assess the FIP's overall project management capacity including safeguards (environment, social and gender). Comprehensive accreditation guidelines were developed by the Fund and disclosed on the website to ensure easy access of potential partners and include the following:
  - A. Eligibility
    - i. Registration
    - ii. Financial Management
  - B. Institutional Capacity
    - i. Organization Structure
    - ii. Regulatory and Legal Regime
    - iii. Financial Management and Internal Controls
    - iv. Procurement Management
    - v. Environmental and Social Safeguards
    - vi. Gender and Inclusion
12. The figure below provides an overview of internal work flow for accreditation process within the NDRMF different functional working groups:



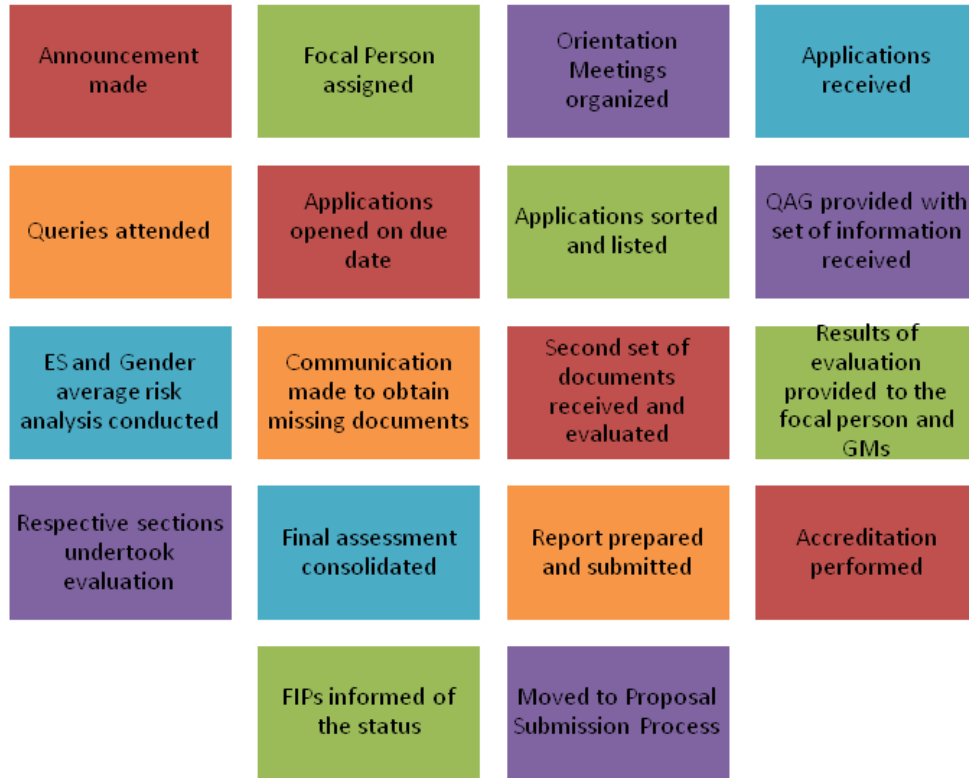


Figure 1: Internal Work Flow for Accreditation process

13. Non-Public Sector Entities (NPSEs) are assessed for environmental accreditation through standardized checklists approved by the Fund’s Board as part of the overall accreditation process. Following are the core environmental assessment requirements for FIP accreditation:

- Environmental safeguards policy
- Status of FIP’s policy & approval
- Policy implementation arrangements

14. During the reporting period, 56 NPSE applied for the accreditation and 14 were of low risk and eligible for submitting Initial Sub-Project Concepts and proposals. The table below provides an overall overview of NPSEs accreditation.

Table 1: Rating for Public and Non-Public Sector Entities

Rating ( NPSE)	No of NPSE
Low Risk	14
Moderate Risk	3
Substantial Risk	24
UN	6
New Entities	9
<b>Total</b>	<b>56</b>

### 3.2. Review of Projects Proposal-Environmental Safeguards

15. Projects proposal development process is given below (figure 2), of which environmental impact assessment serves as one of the core requirements. During the reporting period, accredited FIPs submitted project proposals for environment safeguards review along with PIAL (Prohibited Investment Activities List) and REA (Rapid Environmental Checklist) as preliminary impact assessment for assigning environmental category. Overall, 111 project proposals were reviewed for environment safeguard aspects and gaps identified were shared with FIPs for compliance during extended/revised proposals. Initial scrutiny and analysis from all departments, including environment, was carried out with deferment/withdrawal of 45 projects, mainly due to poor readiness and non-compliance with Fund's thematic priority areas. The remaining 66 projects were presented in TAC for detailed review and assessment by respective technical desks and a total of 26 projects were appraised for Board as mentioned in the given figure.

16. Potential projects review process was repeated till the proposals were aligned with Fund's ESMS requirement for environmental safeguards as listed below:

- Scope of work, limited to environmental category B
- Location of project interventions with civil work drawings and dimensions
- REA checklists filled by environment specialist/focal person
- Budgetary provision for EMP and environmental officer
- Budgetary provision for air, water and noise quality monitoring
- GRM & compliance monitoring and reporting

17. Below given figure provides an overview of proposals during Batches I, II and III.

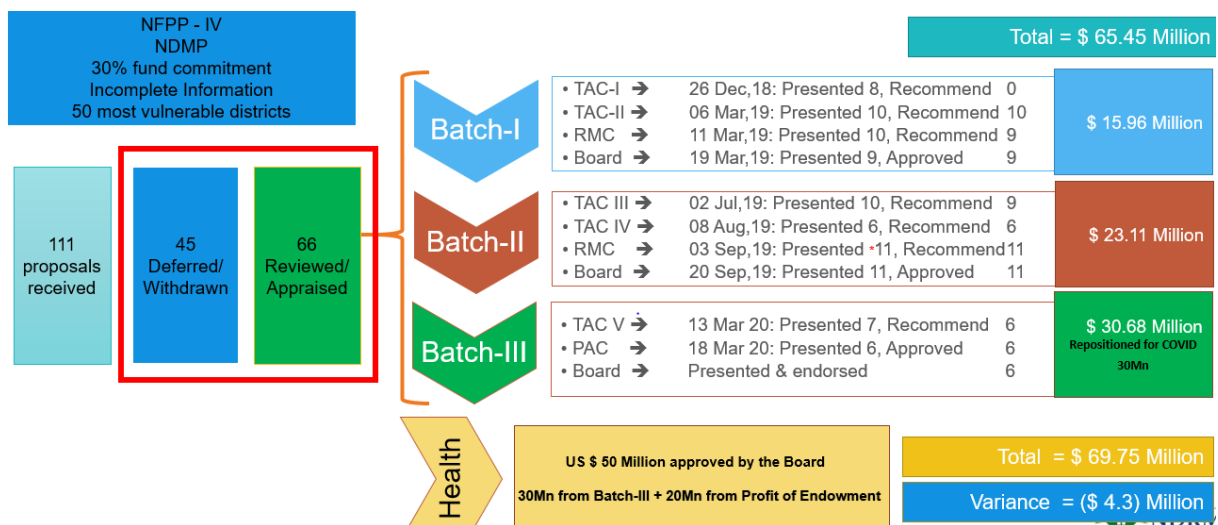


Figure 2: Portfolio Summary



Figure 3: Project Proposal Development Process

### 3.3. Screening and Categorization of Proposals/Projects

18. Fund has adopted a list of Prohibited Investment Activities List (PIAL) as a tool to screen the Initial Subproject Concepts (ISPC) and applied for the prohibited activity or falling in the high risks environmental category. During the reporting period, none of the proposed projects triggered the PIAL and FIPs were informed accordingly for the applicable requirements.
19. The environmental safeguards team implemented a rigorous screening system and assessed the proposed projects concept/proposals/PC-1s to adequately address the environment impacts. Projects scope of work screening has been ensured through Rapid Environmental Assessment (REA) checklist. ESMS outlines the eligible environmental categorization for projects financing in phase-1 as given below for reference and category "A" projects are screened out.

Table 2: ESMS Categorization

Category (Risk Rating)	Environmental Safeguards	Involuntary Resettlement Safeguards	Indigenous Peoples Safeguards
Category A (with potential significant impacts)	Screened out		
Category B (with less significant impacts)	Comply with national laws and PIAL and Funding Source specific international laws	Comply with PIAL and/or SR2 including RP and national laws and Funding Source specific international laws	Comply with national laws and PIAL and Funding Source specific international laws
Category C (with minimal or no impacts)	Comply with national laws and PIAL and Funding Source specific international laws	Comply with national laws and PIAL and Funding Source specific international laws	Comply with national laws and PIAL and Funding Source specific international laws

20. The details of the three types of environmental and social categorization ensured for different projects by the Fund's environmental safeguards team during reporting period are as follows:

**Category 'A':** Project proposals are classified as category A for environment which are assessed for having significant impacts or located in environmentally sensitive or protected area. All such projects are screened out/differed for current phase funding.

**Category 'B':** Projects with less significant environmental impacts are classified as category B and the FIPs are communicated for applicable environmental requirements as per ESMS. Due diligence reports have been prepared for environmental category B projects and shared with donor/ADB for review and endorsement. Field visits have also been conducted as mandatory requirement to assess the scope of work on ground and ensure stakeholder consultations as well.

**Category 'C':** Projects with minimal or no impacts such as CBDRM trainings and retrofitting of public buildings (schools and health units) are classified as environmental category C and are not listed under Schedule I & II of EPA IEE/EIA regulations 2000. DDRs of the all such projects are prepared for the proposed scope of work using PIAL and REA checklist for screening.

### 3.4. Due Diligence of Projects

21. Due diligence has been conducted as part of ESMS compliance for both Category B & C project respectively before approval. Proposed projects are reviewed and assessed for environmental impacts/categorization using the PIAL and REA tools followed by field visits to sample sites of category B scope of work.
22. Potential projects were comprised of integrated disaster risk reduction/management interventions as given in figure.4, which led the fund’s environmental safeguards team in challenging situation to perform screening and categorization of projects which were scattered in regions across the country with limited information. To overcome this situation and meet the requirement of ESMS and loan convent, environmental safeguards team prepared preliminary assessment documents for 10% sample sites prior to approval with mutual consensus with ADB team.
23. GIAs of approved projects are aligned to ensure compliance for initial environmental examination (IEEs) reports for 100% proposed sites before commencement of civil works.

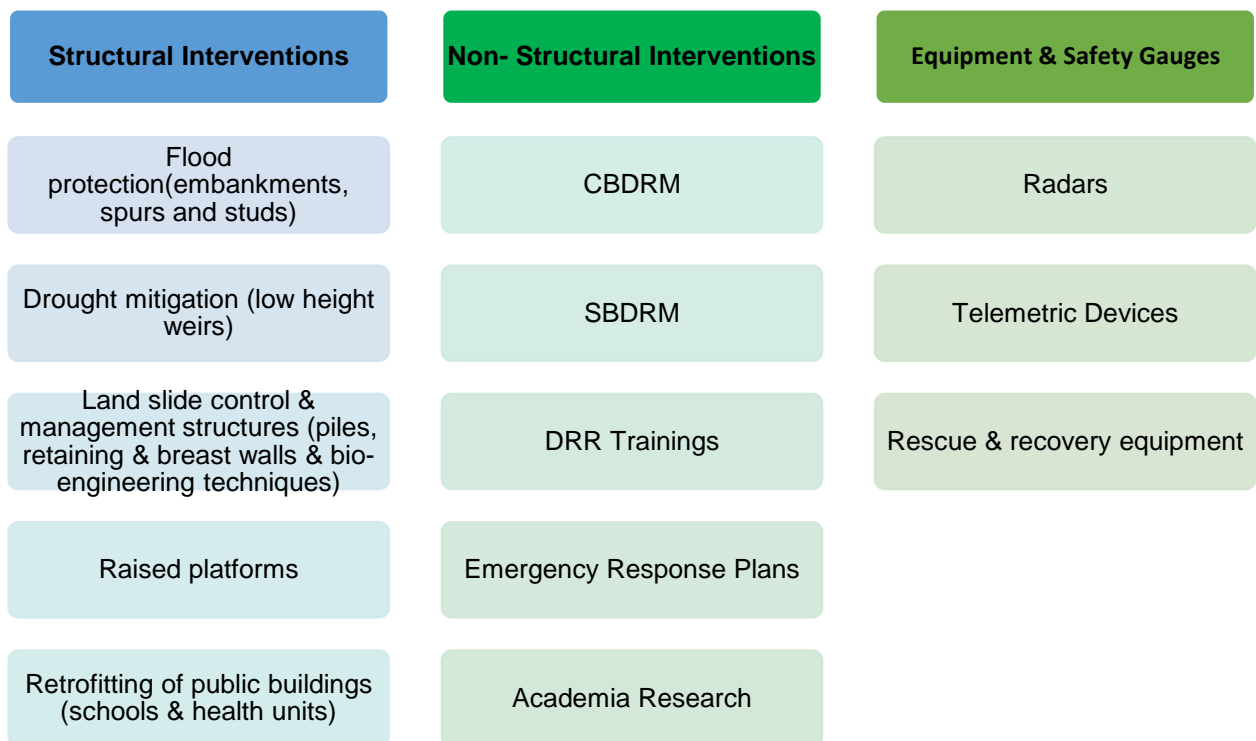


Figure 4: Type of interventions

### **3.5. Field Visits**

24. Field visit to proposed projects was a challenging task for the SGU (Safeguards Unit), particularly for the environment team to perform screening and categorization. Due to limited staff field visits to all proposed sites were not possible and therefore, sample base approach was used to cover the project area. All the environmental category B projects sites were visited for due diligence and categorization before approval of the Board.
25. Works on PID projects has been started during the reporting period, however Fund's team could not visit sites for EMP compliance due to COVID-19 outbreak as national level SoPs restricted mobility to project sites. PID projects field visit is planned in the month of September 2020 for EMP compliance monitoring.
26. Moreover, field visits will continue during implementation phase as well as for compliance monitoring and CAPs, if required. SGU has a comprehensive plan for field visits to ensure ESMS compliance and capacitate the FIPs through on job trainings.

## **4. Environmental Assessments and Reporting**

27. Pursuant to the loan covenant, Due Diligence Reports (DDRs), Initial Environmental Examination and Environmental Management Plan of Category B projects are prepared by FIPs through facilitation of NDRMF's environment team by ensured that projects are aligned with ESMS.
28. As mentioned earlier, for private sector/NGOs FIPs DDRs and IEEs are based on 10% sample sites information (scope of work, civil works drawings, dimensions and location) and mutually agreed between ADB and NDRMF environmental safeguards staff. IEEs of potential projects on standard templates are prepared and shared with ADB for review and endorsement before approval of projects.
29. FIPs furnish quarterly progress reports with dedicated section for environmental safeguard compliance during the reporting period. Fund staff validate compliance against the approved projects scope of work and actions to mitigate and reduce the adverse impacts as per ESMS.
30. Pursuant to the ESMS requirement for FIPs to submit Semi-annual environmental compliance monitoring reports and fund staff to develop semi-annual environmental performance report of each FIP, current report is based on projects status shared with the Fund.

### **4.1. Environmental Approvals**

31. As stated in the ESMS, environmental category B projects are mandated to be approved by financier/ADB and respective EPAs before commencement of civil works. During reporting period all NPSE projects' IEEs are prepared on 10% sites information and as per GIA, FIPs will update these IEEs on 100% and get approval/concurrence from the EPAs during inception phase. NPSEs will furnish EPA approvals to the Fund once IEEs are updated.
32. DDRs and IEEs for proposed projects by public sector FIPs with environmental category B scope are based on 100% sites information. However, as per GIA, public sector FIPs will

also need to furnish EPA's approval before commencement of civil works during inception phase.

33. All IEE documents of approved projects are reviewed by ADB safeguard team (Consultants/TAs) for SPS compliance and comments are addressed by Fund and FIPs to satisfy all the requirements.
34. The EPA stance for the proposed projects is that the scope of work fall under environmental category C and EPA might not require IEE for approval. In case EPA do not require IEEs, FIPs will furnish this stance to the Fund duly vetted by authorized officer from the EPA. Next report planning for EPA NoC.

## **4.2. Information Disclosure**

35. In line with ADB's Public Communications Policy, Fund is committed to working with the FIPs to ensure that relevant information of environmental safeguards is disclosed. Pursuant to the ADB's policy and ESMS, DDRs and IEES of approved/financed projects are disclosed on the Fund's website. Using the link <https://www.ndrmf.pk/disclosure> all the stakeholders have timely and easy access to the information on environmental safeguards.

## **5. Training and Capacity Building**

36. Capacity building plan was developed by NDRMF for the potential implementing partners and relevant stakeholders on environmental safeguards through hands on mentoring, formal trainings and exposure to the best practice. This capacity building plan aims to provide technical support/guidance to the FIPs for specific requirements of Category B and C projects.



37. During the reporting period NDRMF managed to conduct two days (28<sup>th</sup> -29<sup>th</sup> November, 2018) training event for Non-Public Sector Entities (NPSE)/NGOs which was participated by officials from the federal EPA, NGOs, UN agencies and academia including officials from ADB as well. Attendance record of the session depicts that 46 entities participated (**Annex-1**) in the session which shows the interest of the FIPs in the fund overall



Figure 5: Group photo training participants

interventions.

38. During first session on Day 1, environmental safeguard team made presentations and conducted thematic session and followed by Q&A. Environment team gave an orientation on basic definitions related to environment, Pakistan Environment Protection Act (PEPA) 1997 and its salient features, as well as NDRMF's environmental policy, Environment and Social Management System (ESMS) and environmental safeguard categorization of proposals. Being an environmentally responsible organization, it was emphasized that all FIP projects financed by NDRMF needed to ensure environmental management, and it is an integral part of the project design and implementation (PPT Annexed).





**Group Work Images**

39. The last session of Day 2 was dedicated to group work and the participants were divided into various groups on scenario based projects to practically analyze the results of the information shared. During the two-day environmental safeguards training event there was frequent interaction between the Funds staff and participants, as well as among the participants to exchange their ideas and learn from each other. Pre and post evaluation of the training session was made and results were encouraging.
40. As defined in the section 2 of this report, public sector entities are the key implementing partners with relatively larger projects for disaster risk reduction and management as compared to private/NGOs sector FIPs. Irrigation, C&W, PDMAs being the most relevant public sector departments at provincial levels were also capacitated through series of sessions. Training need assessment (TNA) tool was used to assess the existing environmental safeguards capacity of these public sector provincial departments. Based on the TNA, training module was developed to target the most urgent issues and gaps to support in designing of current phase projects as per ESMS. During the reporting period all the provinces were visited for this purpose and training session are imparted accordingly.
41. A two-day training event was organized from March 11-12, 2019 for potential FIPs from Punjab Government at the Government Engineering Academy, Lahore. The training was attended by around 30 specialists from Punjab Planning and Development Department (P&DD) and directors and engineers of Punjab Irrigation department from districts Lahore, Multan, Layyah, Faisalabad, Kasur, Muzaffargarh and Rajanpur.
42. Likewise, a joint one-day training workshop was organized in Peshawar on April 23, 2019 for potential FIPs from GB and KP Government departments. The training was attended by around 20 participants from KP PDMA, GBDMA, P&DD, KP Environmental Protection Agency (EPA) and KP irrigation department.

## 6. Grant Implementation Agreements (GIAs)

43. Environmental safeguards have been included for compliance through relevant clauses i.e. 19 (PSEs) and 18 (NPSEs) in GIAs enabling Fund's staff to ensure compliance. Clauses are mandated to cover overall project interventions but not limited to the following:
- Use of ESMS for project design, implementation and completion phases
  - Screening and categorization as per ESMS and screen out environmental category A projects
  - IEE for Category B projects
  - EPA, Fund and Financer approval for category B projects
  - Hiring/nomination of environment specialist for the project
  - Construction Environmental Management Plan (CEMP)
  - Compliance monitoring and reporting
  - Grievance redress mechanism/GRM
  - Corrective Action Plans (if any)
  - Project completion report
44. GIA clauses are applicable on project borrowers, Contractor, sub-Contractor and any other party involved will be held responsible to comply with the Fund's environmental safeguards policies as per ESMS.

## 7. ESMS Revision

45. The ESMS was established to provide an appropriate environment and social management system commensurate with nature and risk of Fund's expected DRR projects portfolio, and is maintained as part of the overall management system. Pursuant to the ESMS requirements, the ESMS shall be reviewed as part of the continual improvement process to assess the adequacy of the Fund's safeguards unit (SGU) on regular basis or for any emergency basis changes in the national and financer policies or change in overall portfolio of projects.
46. During the reporting period, revision has been done to cope with Emergency Assistance Loan (EAL) interventions and in particular the situation due to COVID-19 in Pakistan. Projects review phases revealed that there are potential DRR projects with significant impacts, but due to limitation of eligible environmental categorization of B & C, those projects have been deferred. Furthermore, the ESMS shall have the provision for environmental category 'A' projects so that large number of individuals at risk could be saved. Based on lessons learnt and a needs assessment after the phase-1 projects, ESMS revision is in progress.

## **8. Projects' Implementation Status**

47. The matrix provided below (Table 3) presents the status of all projects along with their respective environmental categories and required safeguards documents that have been prepared in order to comply with the ESMS of NDRMF.

**Table 3: Approved Projects Status (GIA, DDR and IEE)**

S. No.	Title of Project	Scope of Work	FIP	Cycle	GIA Status	Environmental Category	DDR	IEE
1.	Rehabilitation of Old Deg Nullah from Deg diversion Channel to QB Link Canal RD 0+000 to 103+000	Flood Protection Wall	PID	I	Signed	B	Completed	Completed
2.	Restoration of Jalala Flood Protection Bund from Rd 0+000 To Rd 26+700	Rehabilitation of Flood Protection Bund	PID	I	Signed	B	Completed	Completed
3.	Protecting Village Abadied Shahapur Changora, Fatehpur Gujran, Suko Chak, Chakra, Negrota, Khosa & Gole against Erosive Action of Bein Nullah	Flood Protection Wall	PID	I	Signed	B	Completed	Completed
4.	Rehabilitation of Hajipur Gujran Flood Protection Bund from Rd 0+000 to Rd 37+750	Rehabilitation of Flood Protection Bund	PID	I	Signed	B	Completed	Completed
5.	Replacement of existing C-BAND analogue ordinary Radar with S-BAND Doppler pulse compression solid state Radar at Dera Ismail Khan-Khyber	Installation of S-Band Doppler Pulse Compression Solid State Radar System (including Power Back-up System)	PMD	I	Signed	C	Completed	N. A
6.	Resilient and Adaptive Population in Disaster (RAPID)	<ul style="list-style-type: none"> <li>Flood Protection works in Quetta</li> <li>Water conservation structures in Chagai</li> </ul>	IRP	I	Signed	B	Completed	Completed
7.	Promoting Integrated Mountain Safety in	Flood Protection Wall	AKF	I	Signed		Completed	Completed

S. No.	Title of Project	Scope of Work	FIP	Cycle	GIA Status	Environmental Category	DDR	IEE
	Northern Pakistan (PIMSNP)							
8.	Vulnerability to Resilience (V2R)	<ul style="list-style-type: none"> <li>Flood Protection walls</li> <li>Land stabilization</li> </ul>	PRCS	I	Signed	B	Completed	Completed
9.	Flood Protection Works at Qila Soba Sing by Punjab Irrigation Department (PID)	Flood Protection wall	PID	II	Signed	B	Completed	Completed
10.	Landslide Control and Management and Mitigation Along Major Roads in AJK (4 Sub-Projects)	<ul style="list-style-type: none"> <li>Landslides mitigation</li> <li>Remedial works</li> </ul>	C&W AJK	II	Signed	B	Completed	Completed
11.	Recoupment of Damaged T-Head Spur along Agani Akil Loop Bund 2/6+250, Stone Apron at Mole of 0/4 and 0/7 Mole Spurs and 09 Nos. Stone Studs in Larkana Subdivision Sindh	<ul style="list-style-type: none"> <li>Earthwork</li> <li>Stone pitching</li> <li>Recoupment of T-Head spurs with stones.</li> </ul>	SID	II	Signed	B	Completed	Completed
12.	Providing Stone Apron, Stone Pitching and Earth Work Along LS Bund Mile 18/0 to 20/0 N Dadu Division Larkana	<ul style="list-style-type: none"> <li>Stone Apron</li> <li>Stone Pitching</li> <li>Earth Work</li> </ul>	SID	II	Signed	B	Completed	Completed
13.	Mitigation of disaster risks in collaboration with NDRMF in Gilgit-Baltistan	<ul style="list-style-type: none"> <li>Reducing the vulnerability of communities by naturally induced disasters.</li> <li>Protection of highly flood prone areas along Indus river and its tributaries</li> </ul>	GB	II	Signed	B	Completed	Completed

S. No.	Title of Project	Scope of Work	FIP	Cycle	GIA Status	Environmental Category	DDR	IEE
		<ul style="list-style-type: none"> <li>Protection of existing agricultural lands and public sector infrastructures</li> </ul>						
14.	Strengthening of GB Emergency Services (Rescue 1122) at all districts of GB	<ul style="list-style-type: none"> <li>Purchase of Emergency Vehicles</li> <li>Control Rooms Solutions and equipment and training</li> <li>Rescue Emergency equipment</li> <li>PPE's for Rescuers</li> </ul>	GB	II	Signed	C	Completed	N. A
15.	Strengthening Tsunami and Earthquake Preparedness in coastal areas of Sindh Province	<ul style="list-style-type: none"> <li>Tsunami Awareness to local population</li> <li>Early Warning System installation</li> <li>Evacuation Planning for local communities</li> </ul>	PDMA - Sindh	II	Signed	C	Completed	N. A
16.	Building Resilience to Disasters & Climate Change	Flood Protection Works	PPAF	II	Signed	B	Completed	Completed
17.	Building resilience by strengthening the community through inclusive Disaster Risk Management	<ul style="list-style-type: none"> <li>Flood protection Works</li> <li>Water conservation structures for drought mitigation</li> </ul>	MAP	II	Signed	B	Completed	Completed
18.	Construction of Flood Protection works for Kotli Mandi City and Other	Flood Protection Works	P&H GoAJK	III	Yet to be Signed	B	Completed	Completed

S. No.	Title of Project	Scope of Work	FIP	Cycle	GIA Status	Environmental Category	DDR	IEE
	Vulnerable Areas: Wall 1 & 2 on Left Bank of River Poonch District Kotli Azad Kashmir							
19.	Water Conservation and Flood Protection Schemes –Mekran Zone, Balochistan	<ul style="list-style-type: none"> <li>Flood Protection works</li> <li>Water conservation structures</li> </ul>	Irrigation Department – GoB	III	Yet to be Signed	B	Completed	Completed
20.	Water Conservation and Flood Protection Schemes Quetta and Canal Zone, Balochistan	<ul style="list-style-type: none"> <li>Flood Protection works</li> <li>Water conservation structures</li> </ul>	Irrigation Department – GoB	III	Yet to be Signed	B	Completed	Completed
21.	Water Conservation and Flood Protection Schemes- Khuzdar Zone, Balochistan	<ul style="list-style-type: none"> <li>Flood Protection works</li> <li>Water conservation structures</li> </ul>	Irrigation Department – GoB	III	Yet to be Signed	B	Completed	Completed
22.	Construction of Flood Protection works for Kotli Mandi City and Other Vulnerable Areas: Wall 1 & 2 on Left Bank of River Poonch District Kotli Azad Kashmir	Flood Protection Works	KP – Irrigation Department	III	Yet to be Signed	B	Completed	Completed
23.	Disaster Preparedness Support Plan for Emergency Rescue Service (Rescue 1122) Merged Districts and Sub-Divisions of Khyber Pakhtunkhwa (phase-II)	Procurement of Rescue 1122 equipment	Government of Khyber Pakhtunkhwa Relief, Rehabilitation & Settlement Department	III	Yet to be Signed	C	Completed	N. A

48. Table 4 below shows the implementation status of all public and non-public FIPs for preparing IEE, EPA NOC, civil works, etc. Although, projects are in implementation phase but civil works could only be started for PID projects due to COVID-19 pandemic outbreak. PID projects implementation progress is discussed in the sub section 8.1.

**Table 4: Project Wise Work Progress**

S. No.	Organization	Status
<b>Non Public Sector Entities</b>		
1	Agha Khan Foundation Pakistan	<ul style="list-style-type: none"> <li>Environment consultant hired</li> <li>IEE updating and EPA NoC process initiated, meeting with KP &amp; GB-EPA held on 8<sup>th</sup> June 2020</li> <li>EPA stance for environmental categorization of AKF schemes/sub-projects is awaited</li> <li>Proposed project schemes/sub-projects are in design phase</li> <li>Civil work has not been started till date</li> </ul>
2	Pakistan Red Crescent Society (PRCS)	<ul style="list-style-type: none"> <li>Sites (100%) identification/finalization in</li> <li>EPA NoC in process and is delayed due to COVID-19 outbreak.</li> <li>IEE updating and EPA NoC is planned till 15<sup>th</sup> of September 2020 subject to situation due to COVID-19.</li> <li>Civil work has not been started till date</li> </ul>
3	Islamic Relief Pakistan	<ul style="list-style-type: none"> <li>EPA meeting held in May 2020 and NoC is in process</li> <li>IEE updating and EPA NoC is planned till 15<sup>th</sup> September 2020</li> <li>Design and supervision consultant in progress</li> <li>No civil work has been started yet</li> </ul>
4	Pakistan Poverty Alleviation Fund (PPAF)	<ul style="list-style-type: none"> <li>Environment specialist hired for the project</li> <li>Design review consultants in phase of finalization</li> <li>IEE updating and EPA NoC is planned till 15<sup>th</sup> of September 2020 subject to situation due to COVID-19</li> <li>No civil work has been started yet</li> </ul>
5	Muslim Aid Pakistan	<ul style="list-style-type: none"> <li>Design review consultants hiring in progress</li> <li>IEE updating and EPA NoC is planned till 30<sup>th</sup> of September 2020 subject to situation due to COVID-19.</li> <li>Civil works has not been started yet</li> </ul>
<b>Public Sector Entities</b>		
1	<b>Punjab Irrigation Department</b>	
1.1	Rehabilitation of Old Deg Nullah from Deg Diversion Channel to Q.B Link Canal	<ul style="list-style-type: none"> <li>Design has been reviewed and finalized by consultants</li> <li>Contractor hired and mobilized</li> <li>Civil work has been started</li> <li>EPA consulted and NoC is awaited to due current situation</li> </ul>



		<ul style="list-style-type: none"> <li>• CEMP submitted by PID, and comments are communicated by NDRMF environment team, revised is awaited</li> </ul>
1.2	Rehabilitation of Hajipur Gujran Flood Protection Bund from Rd 0+000 to Rd 37+750	<ul style="list-style-type: none"> <li>• Design reviewed and finalized by consultants</li> <li>• Contractor hired for construction work and mobilized</li> <li>• Civil work has been started</li> <li>• EPA consulted for NoC is awaited to due current situation</li> <li>• CEMP submitted by PID, and comments are communicated by NDRMF environment team; response is awaited</li> </ul>
1.3	Restoration of Jalala Flood Protection Bund from Rd 0+000 To Rd 26+700	<ul style="list-style-type: none"> <li>• Design reviewed and finalized by consultants</li> <li>• Contractor hired for construction work and mobilized</li> <li>• Civil work has been started</li> <li>• EPA consulted for NoC is awaited to due current situation</li> <li>• CEMP submitted by PID, and comments are communicated by NDRMF environment team; response is awaited</li> </ul>
1.4	Protecting Village Abadied Shahapur Changora, Fatehpur Gujran, Suko Chak, Chakra, Negrota, Khosa & Gole against Erosive Action of Bein Nullah	<ul style="list-style-type: none"> <li>• Design reviewed and finalized by consultants</li> <li>• Contractor hired and mobilized</li> <li>• Civil work has been started</li> <li>• EPA consulted for NoC is awaited to due current situation</li> <li>• CEMP submitted by PID, and comments are communicated by NDRMF environment team; response is awaited</li> </ul>
<b>2</b>	<b>PWD Gilgit Baltistan</b>	
2.1	Mitigation of Disaster Risks in Collaboration with NDRMF in Gilgit Baltistan, through flood protection structures in vulnerable areas.	<ul style="list-style-type: none"> <li>• No civil work started on ground, consultant and contractor hiring is in progress</li> <li>• IEE shared with ADB, EPA consulted for NoC is awaited to due current situation</li> <li>• CEMP template developed for compliance before commencement of civil works</li> </ul>
<b>3</b>	<b>C&amp;W Department GoAJK</b>	
3.1	Landslide Control and Management and Mitigation Along Major Roads in AJK (4 Sub-Projects)	<ul style="list-style-type: none"> <li>• No civil work started on ground, consultant and contractor hiring is in progress</li> <li>• EPA consulted and NoC is planned to be granted till 15<sup>th</sup> September 2020</li> <li>• CEMP template developed for compliance before commencement of civil works</li> </ul>

## **8.1. Punjab Irrigation Department (PID)**

49. Work has been started on four (04) projects of PID during the reporting period. As per ESMS, these projects fall under environmental category B and, therefore, IEEs were prepared and approved from the ADB for compliance during implementation phase. Environmental safeguards compliances were assessed against the QPRs submitted by the PID whereas, field visits were not conducted by safeguards team due to COVID-19 pandemic situation. Fund's safeguards team's field visits were further delayed due to monsoon floods in the project areas. Quarterly progress reports submitted by the FIP state that EMP compliance is satisfactory and will be validated on ground during the field visit planned in the month of September 2020.

50. Following is the implementation status update for the PID approved projects:

### **8.1.1. Rehabilitation of Hajipur Gujran Flood Protection Bund from Rd 0+000 to Rd 37+750'**

51. Contractor has continued carriage of stone at site, as planned, to ensure timely completion of pre-construction activities and progress was made for following interventions:

- Repair work has been started for embankment with the supply of soil/earth work from the designated borrow area and these works are carried out under supervision of the civil works consultant M/s NESPAK. During the reporting period three (03) Km out of 12 Km works are completed.
- Works was started for repair of spurs and till date three (03) out of eight (08) are rehabilitated.

### **8.1.2. Restoration of Jalala Flood Protection Bund from Rd 0+000 to Rd 26+700**

52. Contractor has continued carriage of stone at site, as planned, to ensure timely completion of pre-construction activities and progress was made on the following interventions:

- Repair work has been started for embankment with the supply of soil/earth work from the designated borrow area and these works are carried out under supervision of the civil works consultant M/s NESPAK and till date 2 Km embankment rehabilitated out 8.2 Km.
- Contractor started construction of 03 no spurs and 1.5 spurs are constructed during the reporting period.

### **8.1.3. Rehabilitation Old Deg Nullah from DCC to QB Link Canal (RD 0+000 TO RD 103+000)**

53. Contractor was mobilized on site on June 23, 2020 but the pace of the work has been hampered due to the spread of COVID-19 pandemic. During the reporting period no major civil works could be started.

### **8.1.4. Protecting Village Abadied Shahapur Changora, Fatehpur Gujran, Suko Chak, Chakra, Negrota, Khosa & Gole against Erosive Action of Bein Nullah**

54. Contractor has continued carriage of stone at site, as planned, to ensure timely completion of pre-construction activities and progress was made on the following interventions:

- During the reporting period .5 Km embankment rehabilitated out of 2.5 Km

- River training work has been complete at two (02) out of twenty (20 ) villages
- Contractor started construction of 14 no of spurs and 2 spurs are constructed during the reporting period.

## **8.2. COVID-19 Emergency Projects Measures**

### **8.2.1. NDMA preparedness and response project**

55. The scope of the proposed emergency project for Corona prevention and preparedness involves procurement of medical equipment and PPEs. The proposed project proposal has been reviewed to assess the potential adverse environmental impacts, keeping in view the scope of activities i.e. purchase of medical equipment and PPEs.
56. Although the Fund's ESMS had no guidelines for dealing with emergency based health response projects, the environmental safeguards team utilized the available best practices in the industry for screening and categorization. Based on the nature of the respective projects and scope of work i.e. supply of medical equipment and PPEs to health units, the project has been categorized as C. The DDR for environment has been prepared to ensure ESMS compliance.

### **8.2.2. Emergency Assistance for Fighting Against COVID-19 Pandemic**

57. Project proposal format has been aligned with NDMRF's revised ESMS and the specific requirements have been shared with the program team for compliance. At the same time, the ESMS revision has been completed in collaboration with ADB-TA team and formally shared with ADB for endorsement. As per revised ESMS for Emergency Assistance Loan (EAL) projects, the Environmental Management Plan (EMP) will be required for category B projects prior to issuing approval in order to avoid or reduce the anticipated minor level impacts. This project is still in the planning phase and has yet to be shared with NDRMF for safeguards review and categorization.

## **9. Compliance Monitoring**

58. The benchmark for environmental safeguards compliance monitoring are the roles and responsibilities as defined in the EMP of approved projects for which GIAs are signed and entered in implementation phase.
59. During project design, implementation and completion phases, the monitoring requirements are provided in the Figure below. The Funds' environment staff ensured monitoring compliance of design phase and communicated (DDRs & IEEs) with donor agency/ADB and no potential breach was observed. As mentioned earlier, mandatory field visits were conducted for all category B projects based on a 10% sample size for NPSEs and 100% for PSEs during design phase. Pursuant to the guidelines, field visit of projects during implementation phase will be ensured for all FIPs once a quarter. Environment

safeguard team along with M&E will also conduct need based and spot check visits for compliance monitoring.

- 60. Monitoring and evaluation system coupled with environmental safeguards is in place to track the FIPs for compliance monitoring as per ESMS with specific output indicator 5 of NDRMF result framework. This semi-annual environmental performance report is prepared to ensure compliance of output 5.
- 61. Checklist (**Annex.4**) for field visit has been prepared to monitor site specific EMP compliance and will be filled by Fund's environmental safeguards team for record and reporting.



Figure 6: Phases of the project

## 10. Grievance Redress Mechanism

- 62. Grievance Redress Mechanism (GRM) has been established by NDRMF to maintain the working relationship with FIPs at the highest level of transparency, professional integrity, accountability and quality being the core values. In order to receive and facilitate the resolution of affected peoples' concerns, complaints, and grievances about the project's environmental performance, grievance redress committee has been proposed in the IEE for category B projects with project specific focal persons Figure 7, For category "C" projects, NDRMF's GRM system is in place with the committee notified.

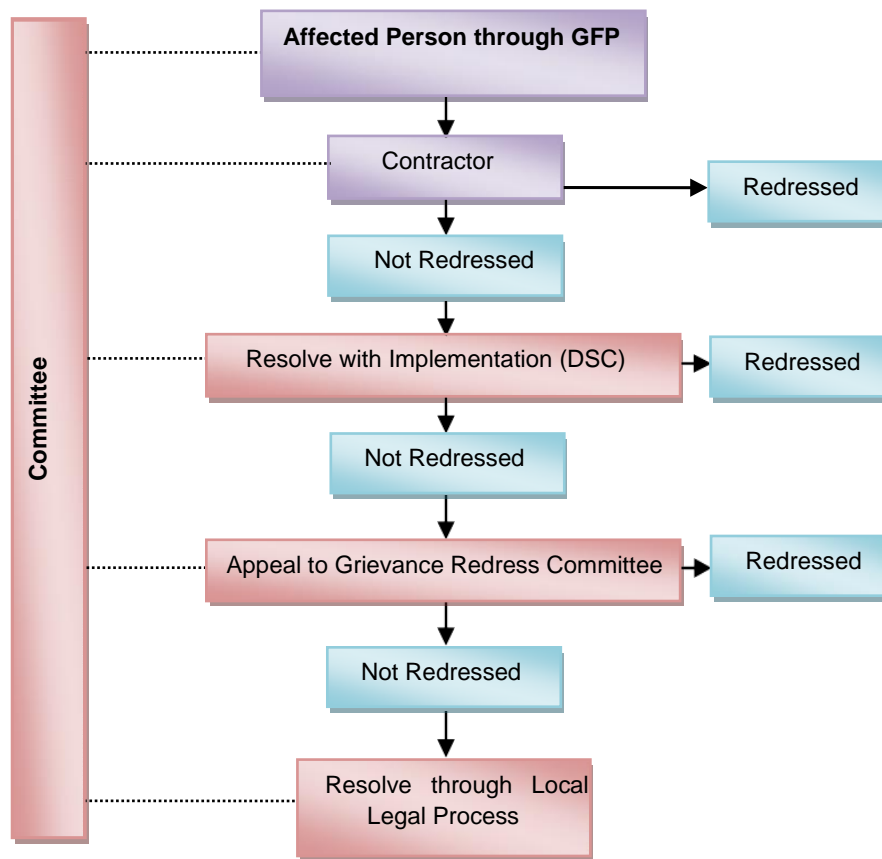


Figure 7: GRM System

63. During the reporting period, environmental safeguards related grievances have not been received with the reason that civil works has not been started yet due to COVID-19 pandemic in the country.

## **11. Lessons Learned**

64. The following lessons have been learnt from the first phase of the project:

- Need for development of FIPs capacity on environmental safeguards
- Need for environmental safeguards related information for proposed scope of works in the proposals
- Need for dedicated/trained HR for environmental safeguards

## **12. Way Forward:**

65. The following future steps are planned for ensuring environmental safeguards compliance:

- Need assessment of FIPs to fill the gaps for environmental safeguards
- Updating proposals for environmental safeguards mandatory requirements before approval
- Updating DDRs and IEEs on 100% schemes/sites project information
- Budgetary provision in projects proposal for HR and EMP compliance cost
- Capacity building session based on need assessment
- EPA concurrence/NOC for category B scope of work projects

## Annex- 1: List of Training Participants

The following potential non-government FIPs attended the two-day training.

#	Organization	#	Organization
1.	Pakistan Poverty Alleviation Fund (PPAF)	24.	Pakistan Agricultural Research Council (PARC)
2.	Network of Disaster Management Practitioners (NDMP)	25.	National Rural Support Programme (NRSP)
3.	Bright Star Development Society Balochistan (BSDSB)	26.	Aga Khan Foundation (AKF)
4.	GIZ	27.	Food and Agriculture Organization (FAO)
5.	HANDS	28.	ACTED
6.	Aiming Change for Tomorrow (ACT-international)	29.	World Food Programme (WFP)
7.	Islamic Relief Pakistan	30.	Sarhad Rural Support Programme (SRSP)
8.	Azat Foundation	31.	Balochistan Rural Support Programme (BRSP)
9.	PRCS/IFRC	32.	Community Development Foundation (CDF)
10.	Network for Human and Social Development (NHSD)	33.	CESVI
11.	Community Uplift Program (CUP) Pakistan	34.	Community Resilience Initiative (CRI)
12.	Nida Pakistan	35.	Doaba Foundation
13.	Shadab Rural Development Organization (SRDO)	36.	HelpAge International
14.	MDF Pakistan	37.	Indus Consortium
15.	Farmers Development Organization (FDO)	38.	Institute of Rural Management (IRM)
16.	Khwendu Kor	39.	Lead Pakistan
17.	Help foundation	40.	LAAR Humanitarian and Development Programme (LHDP)
18.	Handicap International (HI)	41.	Muslim Aid
19.	IUCN Pakistan	42.	Medicens du Monde (MDM)
20.	Oxfam	43.	National Disability & Development Forum (NDF)
21.	United Nations Development Programme (UNDP)	44.	Peace Foundation
22.	International Organization for Migration (IOM)	45.	Saibaan Development Organization (SDO)
23.	Strengthening Participatory Organization (SPO)	46.	Centre of Excellence for Rural Development (CERD)

**Annex-2- Field Visit Pictures**



**Flood Protection Works (Larkana)**





Meeting With Flood Effectuated at Site



Meeting With Flood Effectees at Site



Flood/Over Flow level in June 2018.

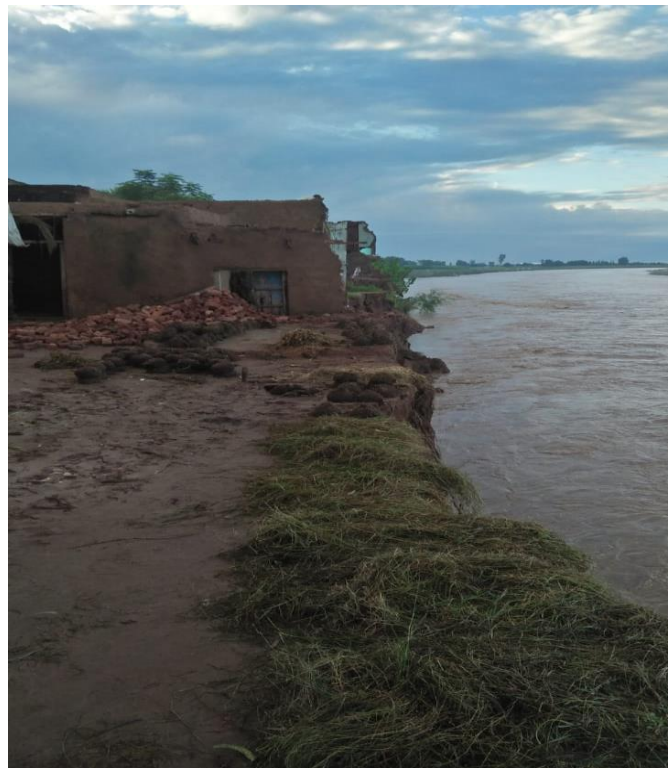
Flood over flow level in June 2018 indicated by stuck residual waste in tree



Meeting with Community Sahara

**Flood Protection Works PPAF-Swabi District**





**Flood Protection Works Punjab Irrigation Department**





**Flood Protection Works AJK-PRCS**



### Annex 3. PID Project Implementation Pictures



REHABILITATION OF HAJIPUR GUJRAN FLOOD PROTECTION BUND FROM RD 0+000 TO RD 37+750



RESTORATION OF JALALA FLOOD PROTECTION BUND RD 0+000 TO RD 26+700



PROTECTING VILLAGE ABADIES SHAHAPUR CHANGORA, FATEHPUR GUJRAN, SUKO CHAK, CHAKRA, NEGROTA, KHOSA & GOLE AGAINST EROSIVE ACTION OF BEIN NULLAH



## **Annex 4. Environmental Management Plan Compliance Checklist for Field Visit**

**Project Title:**

**Date:**

S. No	Description	Yes/No	Compliance Rating	Remarks/CAP
<b>Camp Site</b>				
1.	Copy of the Site specific EMP is provided at the camp site?			
2.	The EMP instructions are understood?			
3.	Focal person nominated for implementation of EMP?			
4.	Contractor is following the safety precautions as per ILO convention no.62?			
5.	Contractor provided PPE to their workforce?			
6.	PPE are used by workforce?			
7.	Potable water is available to labor?			
8.	No wood being used as a fuel?			
9.	LPG cylinders are provided for cooking or heating purposes?			
10.	First Aid Kit is provided at camp and individual nominated for addressing emergency?			
11.	Campsite is fenced to prevent trespassing?			

S. No	Description	Yes/No	Compliance Rating	Remarks/CAP
12.	Contractor maintained Environmental Monitoring Record and submits monthly monitoring reports?			
13.	Contractor maintained Grievances Log and registered the complaints from community?			
14.	Camp area has adequate natural drainage?			
15.	Arrangement for proper storage and disposal for solid waste is planned?			
16.	Septic Tank and Soak Pits are designed for treatment of effluents?			
17.	Contractor provided training to workers to effectively implement project specific EMP?			
18.	Contractor prohibited child labor or forced labor?			
19.	Contractor hiring of local labor?			
20.	Contractor has shown HSE plan and Emergency Response Procedures to REs?			
21.	Contractor properly disposes debris materials in approved barren land, preferably recycling, reuse process?			
22.	No complaint filed regarding transmission of Communicable diseases (such as STI's and HIV/AIDS)			
<b>Top Soil Erosion/ Borrow pits</b>				
23.	Natural areas with high elevation are available as borrow areas?			
24.	Borrow areas identified, having suitable material and approved by design team?			
25.	Borrow Pits not established in RoW			
26.	No damage to the agriculture land due to borrow pits on agriculture land?			
27.	Top 15 cm are stripped and stockpiled for redressing?			
28.	Top 0.5 m is stripped of and stockpiled when deep ditching is carried out?			

S. No	Description	Yes/No	Compliance Rating	Remarks/CAP
29.	Ditch is filled with non-toxic or hazardous construction debris and levelled with stockpiled topsoil layer to maintain the landscape?			
30.	Borrow area is leased and the landowner is compensated as per a lease agreement?			
<b>Encroachment on rural communities and means of livelihood</b>				
31.	No shops or houses inside ROW?			
32.	No impact on the means of livelihood of the community as a result of the work?			
<b>Encroachment on ecology</b>				
33.	No loss of forests and intrusion into wetlands?			
34.	Fuel/oil storage areas are away from watercourses?			
35.	Asphalt Treatment restricted to dry-weather days			
<b>Encroachment on Historical/ Cultural/ Archaeological Sites</b>				
36.	No damage to the Archaeological /Religious/Cultural or Historical sites?			
<b>Impact on Vegetation</b>				
37.	No vegetation cover aside from that required as part of construction and inside the RoW removed?			
38.	Tree cutting restricted to RoW and shoulder areas only?			
<b>Surface and Groundwater Contamination</b>				
39.	No Contamination of surface or GW by oil spillage, solid waste dumping or asphalt laying			
40.	Fuel/oil storage areas, at least 200m away from watercourses?			
41.	Additional cross drainage is provided as needed?			



S. No	Description	Yes/No	Compliance Rating	Remarks/CAP
<b>Impact on Adjacent Communities</b>				
42.	Project site is fenced to prevent trespassing?			
43.	Community consultation has been carried out for project activities/concerns?			
44.	Project activities are displayed at proper locations?			
45.	Community consultation has been carried out for project activities/concerns?			
46.	No complaint registered in the Grievance Log			
<b>Dust Generation</b>				
47.	Dust Generation during construction well managed and record exists			
48.	Proper sprinkling is done on regular basis?			
<b>Impact on Human Settlements and Wildlife Habitat</b>				
49.	Site selected for camp is 100 m from the human settlements and wildlife habitats?			
<b>Safety Impacts due to Road Construction</b>				
50.	Safety signs are properly displayed?			
51.	Construction machinery parked at designated areas?			
52.	Traffic issues managed well, no complaints on record			
<b>Noise and Vibration</b>				
53.	No complaints were made due to noise and vibration?			
54.	Construction activities carried out in daylight to reduce the impact of noise?			
<b>Damage to Services</b>				

S. No	Description	Yes/No	Compliance Rating	Remarks/CAP
55.	No damage reported to public services like electric, water, gas, sewer or telephone lines?			
<b>Transportation of Construction Materials</b>				
56.	Transport trucks are weighed to verify that they don't exceed the bridge and pavement structure weight limit?			
<b>Asphalt Plants</b>				
57.	Asphalt material is taken from existing approved plants?			
58.	Asphalt Plant properly managed, no complaints			
<b>Quarrying Materials</b>				
59.	No New Quarry site Opened			
60.	No complaint registered about the quarry sites?			