

# Environmental Monitoring Report

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## **PUBLIC**

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## Pakistan: National Disaster Risk Management Fund

Prepared by National Disaster Risk Management Fund for Ministry of Planning, Development & Special Initiatives for the Government of Pakistan, and the Asian Development Bank (ADB).

## CURRENCY EQUIVALENTS

(as of 30 Dec 2023)

Currency unit	–	Pakistan rupee/s (Pre/PRs)
Pre1.00	=	\$0.0036
\$1.00	=	PRs 278.70

### NOTE{S}

- (i) The fiscal year (FY) of the Government of the Islamic Republic of Pakistan and its agencies ends on 30 June. FY before a calendar year denotes the year in which the fiscal year ends, e.g., FY2011 ends on 30 June 2011.
- (ii) In this report, "\$" refers to United States dollars.

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## List of Acronyms

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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
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
SAEMR	Semi Annual Environmental Monitoring Report
SGU	Safeguards Unit
SID	Sindh Irrigation Department
SPS	Safeguard Policy Statement
TA	Technical Assistance
TMP	Traffic Management Plan
UN	United Nations

## 1. Introduction

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### 1.1. Preamble

1. This report presents the Semi-annual Environmental Monitoring Report of **National Disaster Risk Management Fund's (NDRMF)** appraised projects, for the period of **July to December 2023**. ESMS compliance has been ensured during this reporting period for both the projects of phase-1 which are under completion and newly appraised under Repair & Rehabilitation (R&R) scope and site-specific compliance.
2. Initial Environmental Examination (IEE) studies of the category "B" scope projects were prepared by the Fund Implementing Partners (FIPs) and approved by the ADB for compliance. Similarly, Due Diligence Reports (DDRs) of category "C" projects were prepared by fund and approved the ADB and projects are in execution.
3. In order to ensure compliance of environmental safeguard FIPs were oriented on site specific requirements through meetings and on job session during field visits. Significant progress has been achieved in R&R projects on the ground and compliances are ensured for dust control, conservation of local flora and fauna and environmental health and safety aspects. During the reporting period, no such potential breach of the safeguards policy has been observed.
4. This semi-annual environmental monitoring report covers all performance aspects and provides detailed explanation and status update for the reporting period. The ongoing projects have not been reported for any design changes and completion will be achieved on the approved scope therefore, no such reassessment for environmental safeguards aspects was carried out.
5. Non-public sector entities have applied for accreditation through sharing the environmental safeguards polices. Fund's safeguards staff reviewed the furnished policies for alignment with national and donor (ADB) requirements and evaluation has been done accordingly.
6. An ESMS third party audit has been conducted and firm has furnished the final report declaring the ESMS implementation to be satisfactory.

### 1.2. Background

7. 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.
8. 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) and 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.

9. The environmental and social policies 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. The Fund strives 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).
10. 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.

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

11. The main purpose of this semi-annual environmental monitoring report is assessed and report the compliance status for the ADB funded projects under NDRMF funding window for both public and private sector entities.
12. Identify noncompliance cases, recommend Corrective Action Plans (CAPs) and report progress updates on the Environmental Management Plans (EMPs) implementation. The benchmark for environmental safeguards performance is the ongoing compliance against the applicable environmental safeguard's requirements in the approved projects in Cycle-I and II and appraised projects of R&R portfolio. Report is substantiated with the information furnished by the FIPs in the quarterly progress reports along with the Fund's compliance monitoring tools i.e., formal meetings, project documents review and field visits.

## **2. Screening and Review Procedures**

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### **2.1. Accreditation of FIPs**

13. As per set & approved criteria of NDRMF, the FIPs can be government and non-government entities, international donors, civil society and academia. The Non Public Sector Entities (NPSEs)/NGOs required accreditation and are accredited through a detailed process consisting of a rigorous review of the applicant entity for its organizational procedures and guidelines including safeguards (environment, social and gender). However, the Public Sector Entities (PSEs) are not require to be accredited.
14. The main purpose of accreditation is 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. Following are the core environmental assessment requirements for FIP accreditation:

- Environmental safeguards policy



- Status of FIP's policy & approval
  - Policy implementation arrangements
15. In previous reporting period, Kokkyo naki Kodomotachi (KnK) Pakistan was assessed as NPSE for accreditation based on the aforementioned criteria and safeguards polices were lacking the fundamental compliance requirements. During current reporting period, the potential FIP submitted the revised updated policy, which was reviewed and found aligned with ESMS.

## **2.2. Review of Project Proposals-Environmental Safeguards**

16. Environment and Social Management System (ESMS) of NDRMF requires to screen and assess the anticipated environmental impacts of project proposals/PC-1s through rigorous process. The screening process validates the environmental category and identifies the potential adverse impacts associated with the proposed project interventions. Following are the major aspects that are considered during this initial screening:
- Scope of work details (Limited to environmental category B), including type, nature and scale of interventions
  - Locations of subprojects with detailed project specifications including preliminary technical designs
  - Details of potential impacts as per Rapid Environmental Checklist (REA)
  - Budgetary provisions for EMP implementation including human resource
  - Budgetary provision for air, water and noise quality monitoring
  - GRM, compliance monitoring and reporting
17. During previous reporting period, preliminary environmental appraisal was carried out for the following NPSEs sub-projects:
- Promoting Integrated Mountain Safety in Northern Pakistan (PIMSNP) phase - III by Agha Khan Foundation
  - MAP Building resilience by strengthening the community through inclusive Disaster Risk Management-II
  - Resilient and Adaptive Population in Disaster (RAPID - II) by Islamic Relief Pakistan (IRP)
18. The aforementioned projects were categorized in "C" due to limited scope of civil works and short duration of construction works (mostly of 3 months) and DDRs were prepared and approved accordingly by the ADB.

## **2.3. Screening and Categorization of Proposals/Projects**

19. The NPSEs projects listed in para 17 of sub section 2.2 were reviewed and assessed individually with respect to environmental safeguards requirements by cross referencing information provided by the FIP with in-house analysis through desk work and FIPs meetings. Field visits along with desk observational tools e.g. satellite imagery analysis were used for assessment, and validation of the category. Table 1 shows the applicable environmental categories as mentioned in NDRMF's ESMS.

Table 1: ESMS Categorization

Category (Risk Rating)	Environmental Safeguards
Category A (with potential significant impacts)	
Category B (with less significant impacts)	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

20. The details of the three types of environmental and social categorization ensured during the reporting period is given as:

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

**Category 'B':** Projects with less significant environmental impacts are classified as category B. Impacts are reversible in nature and have less magnitude.

**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. Impact of this category projects are highly localized and have low magnitude.

21. During the reporting period, aforementioned newly proposed projects by NPSEs given under para 17 were categorized in the same way as stated in this section. Categorization (DDRs) of these subprojects have been prepared and approved by the ADB. Most of the scheme are of limited scope with community driven approaches in vulnerable areas and the assessed category based on the anticipated impacts is "C" with site specific EMP requirements to meet the ESMS requirements.

#### 2.4. Due Diligence and Environmental Assessment

22. As per standard practice the environmental safeguards team of the fund conducts its own due diligence on all projects and validates the data provided by the FIP through tools such as satellite imagery analysis, field visits and community consultations. This process has been conducted for all newly proposed projects.
23. For public sector projects, initial due diligence has been carried out for the appraised projects of Baluchistan and Sindh Irrigation department and the Due Diligence Reports

(DDRs) has been shared with ADB and approval has been received in the previous reporting period.

24. During the reporting period, private sector FIPs projects were screened and categorized during appraisal phase and DD Rs have been prepared and approved the ADB for environmental category “C” scope.
25. In terms of environmental assessment, Initial Environmental Examination (IEE) studies were conducted for category “B” scope projects and IEEs of Baluchistan and Sindh Irrigation Departments have been approved by the ADB.

## **2.5. Field Visits**

26. During the reporting period of January - June 2023, NDRMF’s environmental safeguards team visited Punjab Irrigation in Dera Ghazi Khan, Baluchistan Irrigation in Quetta, Pishin and Qillah Abdullah and Sindh Irrigation departments for newly identified R&R projects for site specific environmental impact assessment. DD Rs were based on these field visits findings and assessments through community consultations in design phase (pictures annexed I).
27. During the reporting period, the fund environmental safeguards team visited R&R projects in Baluchistan and KP provinces for environmental safeguards compliance. Sample based sites were visited due large and scattered schemes in the projects target areas for site specific compliances.
28. Field visits will remain continue during implementation phase in next reporting periods for EMP compliance monitoring and CAPs (Corrective Action Plan), if required.
29. Moreover, environmental safeguards team has a comprehensive plan for field visits to ensure ESMS compliance and capacity building of FIPs including the Contractor’s staff.

## **2.6. Training and Capacity Building**

30. Since most of the projects are near to completion and the FIPs were oriented on all the pertinent environmental safeguards requirements at completion phase. Project completion report templates have been shared the FIP to collect the required data for timely submission to the ADB in next reporting period.
31. Environmental safeguards orientation sessions have been conducted with the FIPs after signing the Grant Implementation Agreement (GIA) and inception phases of the projects. In R&R portfolio, most of the FIPs are the same and follow up sessions on environmental safeguards were conducted to deal with EMP compliance through construction contractors.
32. Contractors and FIPs were briefed on sites during field visits on required environmental management and reporting mechanism.
33. Training and capacity building of FIPs will remain an ongoing process throughout the project’s life cycle. Moreover, continuous support and guidance will be required for FIPs during implementation and completion phases as well so that partner’s understanding could be improved.

### **3. Reporting**

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34. Environmental safeguards compliances are assessed on quarterly as well as bi-annual basis. FIPs submit quarterly progress reports with dedicated sections on environment along with an environmental and social compliance monitoring report on semi-annual basis.
35. Fund's staff are required to develop an overarching semi-annual environmental performance report containing detailed information on compliance status of all projects. This report is compiled from the quarterly progress reports and compliance monitoring reports submitted by implementing partners during the reporting period.
36. Moreover, detailed field visit reports were prepared after each compliance monitoring visit and EMP compliance summaries are given in the section 5.

#### **3.1. Environmental Approvals**

37. Environmental approval of projects is an important step in the donor funded projects to ensure that proposed projects comply with environmental regulations and do not have significant negative impacts on the environment. The approval process typically involves a comprehensive assessment of the potential environmental effects of a project and the implementation of measures to mitigate or offset those effects.
38. Both ADB and EPA approvals have been received for phase-1 and R&R portfolios during the reporting period and in most of the cases EPAs granted the NoC under environmental category "C".

#### **3.2. Information Disclosure**

39. 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.
40. Environmental monitoring reports of previous reporting periods have already been disclosed on the fund's website as per ESMS and ADB requirements.
41. IEE reports of newly identified R&R portfolio have also been disclosed on the aforementioned link after formal approval from the ADB environmental safeguards team. Current environmental safeguards monitoring will be disclosed up approval from the ADB.

#### **3.3. Institutional Arrangements**

##### **3.3.1. Safeguards Unit (SGU) of NDRMF**

42. The overall responsibilities of the SGU is to assess the subprojects concepts for applicable environmental category and aligned the extended project proposal/PC-1 with ESMS at appraisal phase. During execution phase of the subprojects, the SGU conduct field visits to construction sites to assess the Construction Environmental Management Plans (CEMPs) compliance on the ground. The feedback is shared with FIP on

noncompliance (if any) along with measures as Corrective Action Plans (CAP) and monitor these particular sites for required actions.

43. Quarterly progress reports of the FIPs were reviewed during the reporting period for environmental safeguards compliance against the physical progress through field visits to the construction sites. Consolidated environmental safeguards compliance of two consecutive quarters has been presented in this semi-annual environmental monitoring report.

### **3.3.2. Fund Implementing Partners**

44. The Project Directors (PDs)/ Managers of FIPs have an overall responsibility for the environment management plans development and implementation of the subproject's areas through the environment specialist/focal persons. PDs/PMs through environment specialists are held responsible for screening of subproject through specific REA checklists and their effective implementation, internal monitoring and progress reporting. Additionally, the environmental safeguard specialist maintains close coordination with the SGU of NDRMF, EPA and other line departments to address their concerns regarding subproject interventions.
45. The FIP internal monitoring ensures environmental safeguards compliance through field visits during sites execution and share the site specific issues with the project team for compliance. Keeping in view the nature of subprojects, adverse impacts are very limited and main rectified through on job instructions to the construction team/contractors. During reporting period no such cases have been identified that could lead to formal lettering and need for corrective action plan. Moreover, the FIP prepare quarterly progress reports and share with SGU of NDRMF for review including the safeguards which provide the base for preparing the semi-annual monitoring repots.

## **4. Projects' Implementation Status**

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46. The matrix provided below (Table 2) 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 2: Approved Projects Status (GIA, DDR and IEE)

S. No.	Title of Project	Scope of Work	FIP	Cycle	GIA Status	Environmental Category	DDR	IEE	EPA Approval Status
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	Cleared
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	Cleared
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	Cleared
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	Cleared
5.	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	Cleared
6.	Promoting Integrated Mountain Safety in Northern Pakistan (PIMSNP)	Flood Protection Wall	AKF	I	Signed		Completed	Completed	Cleared
7.	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	Cleared
8.	Landslide Control and Management and Mitigation Along Major Roads in AJK (4 Sub-Projects)	<ul style="list-style-type: none"> <li>Landslide mitigation</li> <li>Remedial works</li> </ul>	C&W AJK	II	Signed	B	Completed	Completed	Cleared

S. No.	Title of Project	Scope of Work	FIP	Cycle	GIA Status	Environmental Category	DDR	IEE	EPA Approval Status
9.	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	Cleared
10.	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	Cleared
11.	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> <li>• Protection of existing agricultural lands and public sector infrastructures</li> </ul>	GB PWD	II	Signed	B	Completed	Completed	Cleared
12.	Strengthening of GB Emergency Services (Rescue 1122) at all districts of GB	<ul style="list-style-type: none"> <li>• Purchase of Emergency Vehicles</li> </ul>	GB	II	Signed	C	Completed	N. A	N. A

S. No.	Title of Project	Scope of Work	FIP	Cycle	GIA Status	Environmental Category	DDR	IEE	EPA Approval Status
		<ul style="list-style-type: none"> <li>Control Rooms Solutions and equipment and training</li> <li>Rescue Emergency equipment</li> <li>PPEs for Rescuers</li> </ul>							
13.	Building Resilience to Disasters & Climate Change	Flood Protection Works	PPAF	II	Signed	B	Completed	Being updated for 100% sites	Cleared
14.	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	Cleared
<b>R&amp;R Portfolio</b>									
15.	Promoting Integrated Mountain Safety in Northern Pakistan (PIMSNP) phase - III by Agha Khan Foundation	<ul style="list-style-type: none"> <li>Rehabilitation &amp; restoration of existing Flood Protection Works</li> </ul>	AKF	III	Signed	C	Completed	NA	Cleared
16.	MAP Building resilience by strengthening the community through inclusive Disaster Risk Management-II	<ul style="list-style-type: none"> <li>Rehabilitation &amp; restoration of existing Flood Protection Works</li> </ul>	MAP	III	Signed	C	Completed	NA	Cleared
17.	Resilient and Adaptive Population in Disaster (RAPID - II) by Islamic Relief Pakistan (IRP)	<ul style="list-style-type: none"> <li>Rehabilitation &amp; restoration of existing Flood Protection Works</li> </ul>	IRP	III	Signed	C	Completed	NA	Cleared



S. No.	Title of Project	Scope of Work	FIP	Cycle	GIA Status	Environmental Category	DDR	IEE	EPA Approval Status
18.	Restoration & Rehabilitation of existing flood protection and water conservation structures Baluchistan Irrigation Department (BID)	<ul style="list-style-type: none"> <li>R&amp;R of existing flood protection and water conservation structures</li> </ul>	BID	III	Signed	B	Completed	Completed	Cleared
19.	Restoration & Rehabilitation of Flood Damaged & Water Conservation Structures in Irrigation Division Quetta, Baluchistan Irrigation Department (BID)	<ul style="list-style-type: none"> <li>R&amp;R of existing flood protection and water conservation structures</li> </ul>	BID	III	Signed	B	Completed	Completed	Cleared
20.	Rehabilitation/ Strengthening of the Water Conservation Structures, Flood Protection Schemes in District Killa Abdullah and Naseerabad, Baluchistan Irrigation Department (BID)	<ul style="list-style-type: none"> <li>R&amp;R of existing flood protection and water conservation structures</li> </ul>	BID	III	Signed	B	Completed	Completed	Cleared
21.	Building Resilience of Damaged Flood Mitigation Structures, Sindh Irrigation Department (SID)	<ul style="list-style-type: none"> <li>R&amp;R of existing flood protection structures</li> </ul>	SID	III	Signed	B	Completed	Completed	Cleared

47. Table 3 below shows the implementation status of all public and non-public FIPs for preparing IEE, EPA NOC, civil works, etc.

Table 3: 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>• IEE has been updated for 100% sites</li> <li>• EMP has been revised for COVID-19 guidelines</li> <li>• CEMP has been prepared by the FIP for construction works.</li> <li>• EPA NOCs from the respective target areas/regions have been acquired well before commencement of civil works.</li> </ul>
2	Pakistan Red Crescent Society (PRCS)	<ul style="list-style-type: none"> <li>• IEE update is in process for 100% sites.</li> <li>• CEMP has been prepared by the FIP for construction works.</li> <li>• EPA NOC has been acquired before commencement of civil works</li> </ul>
3	Islamic Relief Pakistan	<ul style="list-style-type: none"> <li>• IEE has been updated for 100% sites</li> <li>• EMP revised for COVID-19 guidelines</li> <li>• CEMP has been prepared by the FIP for construction sites.</li> <li>• EPA approval has been acquired</li> </ul>
4	Pakistan Poverty Alleviation Fund (PPAF)	<ul style="list-style-type: none"> <li>• IEE update is in process for 100% sites.</li> <li>• COVID-19 guidelines are shared with PPAF for incorporating in EMP.</li> <li>• CEMP has been prepared and finalized</li> <li>• EPA NOCs for all regions has been acquired.</li> <li>• <b>Civil work has not been started till date.</b></li> </ul>
5	Muslim Aid Pakistan	<ul style="list-style-type: none"> <li>• IEE has been updated for 100% sites</li> <li>• COVID-19 guidelines are shared with MAP for incorporating in EMP.</li> <li>• CEMP has been prepared by the FIP for construction works.</li> <li>• EPA NoC has been acquired.</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>• Civil work has been started after clearance of all prior requirements.</li> <li>• EPA has been consulted by PID with no IEE and EIA requirement for the project.</li> <li>• CEMP is prepared and approved by NDRMF's environment unit.</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>• Civil work has been started after clearance of all prior requirements.</li> <li>• EPA has been consulted by PID with no IEE and EIA requirement for the project.</li> <li>• CEMP is prepared and approved by NDRMF's environment unit.</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>• Civil work has been started after clearance of all prior requirements.</li> <li>• EPA has been consulted by PID with no IEE and EIA requirement for the project.</li> <li>• CEMP is prepared and approved by NDRMF's environment unit.</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>Civil work has been started after clearance of all prior requirements.</li> <li>Shahpur Changora, and Gole sub-projects have been completed.</li> <li>EPA has been consulted by PID with no IEE and EIA requirement for the project.</li> <li>CEMP is prepared and approved by NDRMF's environment unit.</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>IEE updated for 100% sites along with Covid guidelines</li> <li>EPA NOC has been received.</li> <li><b>No civil work started on ground.</b></li> <li>CEMP template has been shared and will be prepared before commencement of civil works.</li> </ul>
<b>3</b>	<b>C&amp;W Department GoAJ&amp;K</b>	
3.1	Landslide Control and Management and Mitigation Along Major Roads in AJK (4 Sub-Projects)	<ul style="list-style-type: none"> <li>IEE has been updated on 100% sites information along with Covid-19 guidelines.</li> <li>EPA NOC has been acquired by the FIP before commencement of civil works.</li> <li>CEMP has been prepared by the FIP for construction sites.</li> </ul>
<b>4</b>	<b>Sindh Irrigation Department</b>	
4.1	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>Civil work has been started after clearance of all prior requirements.</li> <li>EPA has been consulted by SID with no IEE and EIA requirement for the project.</li> <li>CEMP has been prepared by the FIP for construction sites.</li> </ul>
4.2	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>Civil work has been started after clearance of all prior requirements.</li> <li>EPA has been consulted by SID with no IEE and EIA requirement for the project.</li> <li>CEMP has been prepared by the FIP for construction sites</li> </ul>
<b>5. Rehabilitation and Restoration Portfolio</b>		
5.1	Promoting Integrated Mountain Safety in Northern Pakistan (PIMSNP) phase - III by Agha Khan Foundation	<ul style="list-style-type: none"> <li>Civil work has been started after clearance of all prior requirements.</li> <li>EPA has been consulted by AKF with no IEE and EIA requirement for the project.</li> <li>EMP is prepared and approved by NDRMF's environment unit.</li> <li>Project is in execution phase with physical progress</li> </ul>
5.2	MAP Building resilience by strengthening the community through inclusive Disaster Risk Management-II	<ul style="list-style-type: none"> <li>Civil work has been started after clearance of all prior requirements.</li> <li>EPA has been consulted by MAP with no IEE and EIA requirement for the project.</li> <li>EMP is prepared and approved by NDRMF's environment unit.</li> <li>Project is in execution phase with physical progress</li> </ul>
5.3	Resilient and Adaptive Population in Disaster (RAPID - II) by Islamic Relief Pakistan (IRP)	<ul style="list-style-type: none"> <li><b>Civil work has not been started yet.</b></li> <li>EPA has been consulted by IRP with no IEE and EIA requirement for the project.</li> </ul>

		<ul style="list-style-type: none"> <li>• EMP is prepared and approved by NDRMF's environment unit.</li> </ul>
5.4	Restoration & Rehabilitation of existing flood protection and water conservation structures Baluchistan Irrigation Department (BID)	<ul style="list-style-type: none"> <li>• Civil work has been started after clearance of all prior requirements.</li> <li>• EPA has been consulted by BID with no IEE and EIA requirement for the project.</li> <li>• IEE/EMP is prepared and approved by ADB environment unit.</li> <li>• The project is in execution with significant physical work progress</li> </ul>
5.5	Restoration & Rehabilitation of Flood Damaged & Water Conservation Structures in Irrigation Division Quetta, Baluchistan Irrigation Department (BID)	<ul style="list-style-type: none"> <li>• Civil work has been started after clearance of all prior requirements.</li> <li>• EPA has been consulted by BID with no IEE and EIA requirement for the project.</li> <li>• IEE/EMP is prepared and approved by ADB environment unit.</li> <li>• The project is in execution with significant physical work progress</li> </ul>
5.6	Rehabilitation/ Strengthening of the Water Conservation Structures, Flood Protection Schemes in District Killa Abdullah and Naseerabad, Baluchistan Irrigation Department (BID)	<ul style="list-style-type: none"> <li>• Civil work has been started after clearance of all prior requirements.</li> <li>• EPA has been consulted by BID with no IEE and EIA requirement for the project.</li> <li>• IEE/EMP is prepared and approved by ADB environment unit.</li> <li>• The project is in execution with significant physical work progress</li> </ul>
5.7	Building Resilience of Damaged Flood Mitigation Structures, Sindh Irrigation Department (SID)	<ul style="list-style-type: none"> <li>• Civil work has been started after clearance of all prior requirements.</li> <li>• EPA has been consulted by SID with no IEE and EIA requirement for the project.</li> <li>• IEE/EMP is prepared and approved by ADB environment unit.</li> <li>• The project is in execution with significant physical work progress</li> </ul>

## 5. EMP Compliance Status

48. Field visits have been during the reporting period for ongoing and construction sites of R&R schemes. Checklists were filled during the field visits and annexed, findings of which are discussed in the table 4. Field visit reports were prepared on EMP compliance and brief summary of compliance gaps, recommendation and corrective actions is given in the below table:

Table 4: EMP Compliance Status

S. No.	FIP Name	Visited Sites	Issues/Constraints in EMP implementation	Recommendations	Actions Taken	Timeline
1.	Balochistan Irrigation Department	<ul style="list-style-type: none"> <li>Quetta and Pishin</li> </ul>	<p>The environment team visited the ongoing R&amp;R mitigation schemes, EMP compliance was monitored on construction sites and following issues were noted:</p> <ul style="list-style-type: none"> <li>Contractor workers were found not using proper PPEs and safety measures.</li> <li>First Aid box and was not available on working sites.</li> <li>Waste management was found not up to the mark.</li> </ul>	<ul style="list-style-type: none"> <li>Both the FIP and Contractor shall ensure provision and use of PPEs by the crew members to avoid mishaps related to health and safety.</li> <li>Waste/left over material shall be disposed off properly to avoid disturbance and nuisance on sites.</li> <li>Dust was managed, but needs further improvement through use of water sprinkling on regular basis.</li> </ul>	<ul style="list-style-type: none"> <li>Both the Contractor and FIP site engineer was briefed on the working sites requirements for environmental safeguards.</li> <li>Contractor and FIP was instructed to ensure PPEs, first aid box on construction sites.</li> <li>Waste management issue was discussed and instructions were given to both for ensuring proper solid waste management on all working sites.</li> </ul>	<ul style="list-style-type: none"> <li>FIP will report on the action required to ensure compliance of first aid box and site management for solid waste.</li> <li>Site visit will be visited again and compliance status will be addressed in next reporting period.</li> </ul>
2.	Agha Khan Foundation	Mansehra	<ul style="list-style-type: none"> <li>Use of PPEs were found on construction sites but was not proper in few sites,</li> </ul>	<ul style="list-style-type: none"> <li>Safety and warning signs in Urdu need to be placed at all sites</li> </ul>	<ul style="list-style-type: none"> <li>Field teams have been advised/oriented to comply with EMP of the sub-project.</li> </ul>	<ul style="list-style-type: none"> <li>AKF will report on the action required to ensure compliance on proper use of PPEs,</li> </ul>

S. No.	FIP Name	Visited Sites	Issues/Constraints in EMP implementation	Recommendations	Actions Taken	Timeline
			<p>workers were observed without safety shoes.</p> <ul style="list-style-type: none"> <li>• Warning signage was not found on construction sites.</li> <li>• Proper waste management procedures were not in place, the left over material was observed to dumped on sites.</li> <li>• Dust was managed on working sites.</li> </ul>	<p>to ensure community safety.</p> <ul style="list-style-type: none"> <li>• Waste shall be managed through proper disposal.</li> <li>• Both the FIP and Contractor shall be instructed to provide safety shoes to crew.</li> </ul>	<ul style="list-style-type: none"> <li>• The environment specialist of the AKF was briefed on the site related issues.</li> </ul>	<p>site management for solid waste and dust control.</p> <ul style="list-style-type: none"> <li>• Site visit will be visited again and compliance status will be addressed in next reporting period.</li> </ul>

## **6. Instrumental Monitoring**

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49. Instrumental monitoring has been carried out for Balochistan and Sindh Irrigation schemes which were categorized under environmental category “B” during baseline establishment for IEE studies. Civil works has been initiated during reporting period and instrumental monitoring has been planned in the next reporting period at mid of the works. Comparison with baseline will be reflected in the next semestral report.

## **7. Corrective Action Plan (CAP)**

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50. ToRs for the ESMS revision have been prepared and finalized with support of ADB safeguards team in previous reporting period. ESMS third party audit has been conducted and firm has furnished the final report declaring the ESMS implementation to be satisfactory.

51. The EMP compliance was ensured on all active projects by the FIPs and no such deviation or breach has been observed.

## **8. Health and Safety**

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### **7.1 Community Health & Safety**

52. Community health and safety has been ensured on the working sites of R&R schemes through ensuring provision in the FIPs and contractors agreements. Community were informed on the potential threats related to the civil works with placing warning signs on the critical sites.

53. During the reporting period, no community incidents have been reported by the FIPs and relevant measures were undertaken on all construction sites.

54. Each subproject has its dedicated Grievance Redress Mechanism (GRM) and during reporting period grievances have not been received nor reported on community health and safety issues.

### **7.2 Worker Health and Safety**

55. During reporting period, in the appraisal process of the R&R portfolio projects were aligned with both community and worker’s health and safety requirements for physical works through provision of cost for Personal Protective Equipment (PPEs), first aid boxes, warning sign boards.

56. Latest formats and guidelines provided by the ADB has already been shared with the FIPs for compliance on HSE incident reporting of R&R schemes. No such incident has been reported on any of the R&R schemes.

## **9. Waste Management**

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57. As reported in the previous reporting periods, the scope of work is limited with no major excavation and camps establishment and large quantities of waste has not been generated.

58. The waste generated was of non-hazardous in nature and the FIPs were briefed on site on the importance of solid waste management on working sites. Waste were disposed at selected sites considerable away from the residential areas and drinking water sources.

## **10. Material Utilization**

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59. Civil works were of limited scope with dry stone masonry and the required material was obtained from the market and no quarry was opened. FIPs are bound to collect the required material from the designated environmentally safe (sites where damage/loss to the local flora and fauna is not expected, shall not generate dust or near to communal settlements) and feasible sites only.

## **11. Traffic Management Plan**

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60. R&R schemes are mostly located in remote areas with scattered population with no such issues of traffic management, nevertheless, both community and workers were briefed on the potential possible risk.

61. In previous reporting period, Site specific Traffic Management Plans (TMPs) were, prepared and implemented (TMP Layout Annexed.2) on AJK land slide schemes. Compliance of the TMPs has been ensured safe and smooth traffic flow on all working sites and till date no traffic incident happened.

## **12. Grievance Redress Mechanism**

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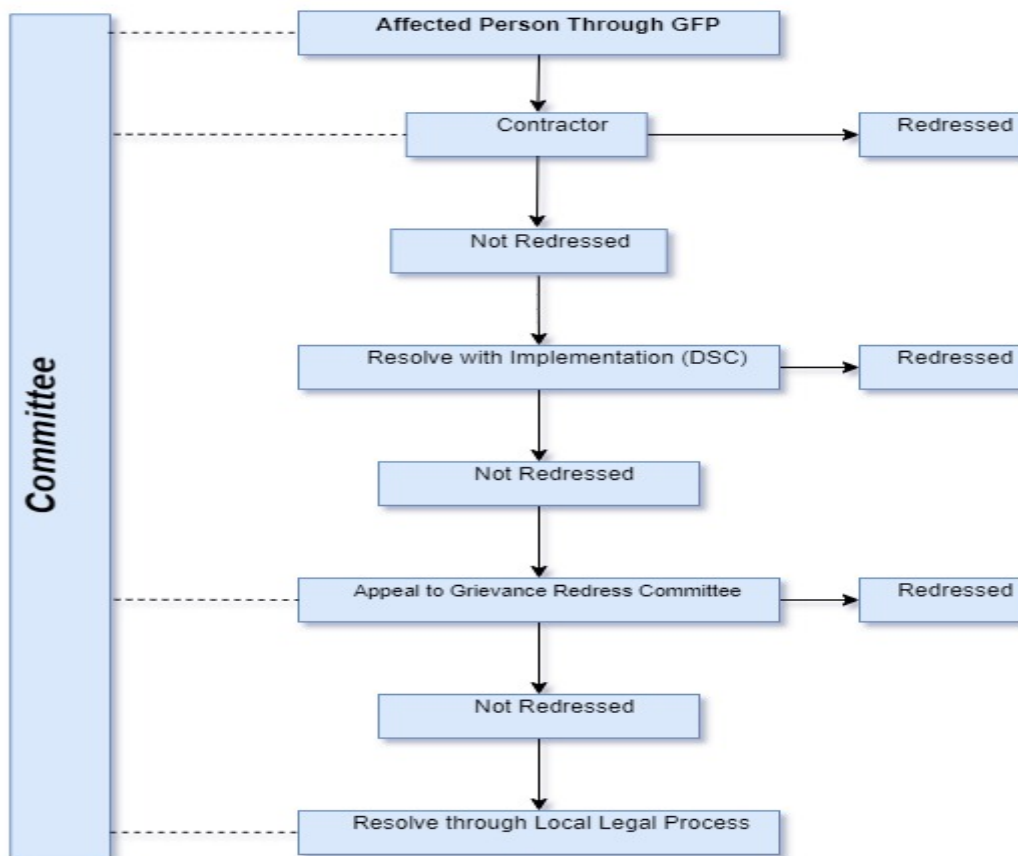
62. Pursuant to the ESMS requirements for Grievance Redress Mechanism (GRM), fund established an efficient system to maintain the working relationship with FIPs and stakeholders at the highest level of transparency, professional integrity, accountability and quality.

63. In order to receive and facilitate the resolution of affected people, grievance redress committee has been proposed in the IEE for category B projects with project specific focal person as shown in Figure 1 below. This standards GRM system will be followed in the R&R portfolio as well.

64. Grievances have not been registered from any stakeholders during the reporting period.

**Fig.1 Grievance Redress Mechanism**





### 13. Hand over Environmental Safeguards Mission, Asian Development Bank

65. ADB handover mission on Environmental Safeguards was conducted on 21 December 2023. The following provided below CAP is prepared.

S.No	Required action	Timeline	Status as of 30 Dec 23
1	NDRMF needs to submit ESMS Audit Report	30 Dec 2023	Not Complied Final draft report has been submitted by the audit firm, comments have been shared. Revised report will be shared with the ADB till end of February 2024.
2	Enhance capacity building of the FIPs	Regularly	In progress

## **14. Lessons Learned**

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66. The following lessons have been learnt during the reporting period:

- Lack of FIPs capacity for preparing IEEs well in time for review and approval from the fund and ADB safeguards team
- Lack of FIPs (particularly Govt departments) safeguards compliance awareness and implementation capacity.
- Lack of ownership for safeguards compliance requirements by the FIPs

## **15. Way Forward**

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67. Following steps are planned to ensure environmental safeguards compliance:

- The FIP capacity will be enhanced through sessions planned in the month of February 2024 on safeguards with emphasis on preparing IEEs.
- Dedicated sessions for government sector partners on both mid and high-level management to ensure ownership and build capacity.
- Close coordination and liaison with the FIPs safeguards specialists to ensure compliance and avoid delays due to safeguards.

**ANNEXURE-I: Field Visit and Community Consultation Pictures**

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Construction Site & Use of PPEs



Instruction to the Contractors



Discussion with Contractor & Community On Safeguards



Discussion with Community on Project



Discussion on GRM with Community



PPEs with no shoes

## ANNEXURE-II: Traffic Management Plan (TMP)

