

Semi-Annual Environmental Performance Report (January – June 2021)

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National Disaster Risk Management Fund

Prepared by NDRMF Environmental Safeguard Team

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NOTES

- (i) The fiscal year (FY) of the Government of the Islamic Republic of Pakistan and its agencies ends on 30 June.
- (ii) In this report “\$” refer to US dollars.

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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 the period (January- June' 2021). Amongst the approved projects, civil works could only be initiated on Punjab Irrigation Department (PID) projects and field visits were conducted to ensure environmental safeguards compliance. Subsequently, preliminary compliance in terms of preparation of safeguards documentation was ensured to meet the ESMS requirements for all approved projects. In this report, all performance assessment aspects have been briefly explained along with their status during the reporting period.

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) 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.
4. 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 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.

1.3. Purpose of the Report

6. This is a consolidated report on implementation of environmental safeguards for 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 in the approved projects.
7. This report is based on the information furnished by the FIPs in the quarterly progress reports and semi-annual environmental and social monitoring compliance reports along with the Fund's environment team's compliance monitoring tools i.e., formal meetings, project documents review and field visits.

2. Screening and Review Procedures

2.1. Accreditation of FIPs

8. FIPs (Fund Implementing Partners) for NDRMF can be government and non-government entities, international donors, civil society and academia. The FIPs 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).
9. 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
10. During the reporting period, accreditation activities were not carried out.

2.2. Review of Project Proposals-Environmental Safeguards

11. During the reporting period, new projects have not been appraised by the fund and environmental safeguards review remained limited to the approved projects site specific documents. Previously, project proposals/schemes document submitted by FIPs were reviewed to ensure environmental safeguards compliance requirements during project design phase. Checklists such as PIAL (Prohibited Activities Investment List) and REA (Rapid Environmental Checklist) were used to screen projects and assigned applicable environmental category. Environmental assessment remained the core requirement during review of the project proposals through rigorous process and data provision of following mandatory aspects:
 - Scope of work, limited to environmental category B.

- Locations of subprojects with detailed scope of work including preliminary technical designs.
- Applicability of REA checklist
- Budgetary provisions for EMP implementation including human resource.
- Budgetary provision for air, water and noise quality monitoring.
- GRM & compliance monitoring and reporting.

2.3. Screening and Categorization of Proposals/Projects

12. As mentioned earlier in the report that new projects have not been appraised for environmental screening and categorization by the Fund and all approved project have already been categorized according to the ESMS. In case of private sector FIPs, projects were approved on 10% sites information with condition to ensure similar nature scope of work for the entire project and screen out category “A” nature schemes.
13. During the reporting period, site specific schemes documents have been furnished by the private sector FIPs to ensure applicable environmental category (i.e. B). All schemes were assessed for environmental impacts individually using REA & PIAL tools and justification for applicable environmental category was ensured and validated. ESMS applicable environmental category are described in table.1.

Table 1: 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

14. 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 which are assessed for 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 have low magnitude.

15. During the reporting period, non-public sector FIPs including AKF, IRP, PRCS and PWD AJ&K submitted complete project portfolios after identification of 100% sites. Schemes sites have been assessed for site specific environmental impacts using REA & PIAL tools, which depicts that none of the proposed sites are located in any such areas and that all sub-projects involving construction work will have some moderate level impacts, hence, were assigned Category "B" as per ADB and ESMS guidelines. Furthermore, Category 'C' projects included retrofitting projects by AKF and IRP.

2.4. Due Diligence and Environmental Assessment

16. Pursuant to NDRMF ESMS's requirement, due diligence was ensured for both public and non-public sector FIPs for 100% sites documents furnished. Similarly, ongoing projects of Punjab Irrigation Department (PID) were also visited for due diligence against current progress.

2.5. Field Visits

17. During the reporting period of Jan – Jun 2021, NDRMF's environmental safeguards team visited the PID sub-project sites for compliance monitoring with special emphasis on instrumental monitoring.
18. Sub-project sites were visited to report on the status of environmental compliance and guide project staff including contractor for environmental management. Findings of the visit are detailed in the subsequent sections. A comprehensive field visit report has been prepared and recommendations have been shared with PID focal persons to ensure the compliance gaps are minimized/eliminated. This report is based on a comprehensive EMP compliance checklist (template attached as annexure), which covers all physical, biological and chemical aspects.
19. Current pandemic situation halted civil works on the subproject sites and were not in full pace. Due to the fact the impact on air and water could not be assessed during the reporting period and planned in the month of September 2021. Once the samples are collected and analyzed, results will be addressed in the next semiannual report accordingly.
20. Field visits will continue during implementation phase in next reporting periods for EMP compliance monitoring and CAPs (Corrective Action Plan), if required.
21. Moreover, environment 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

22. Based on the learning experience from the projects review and appraisal phases, training and capacity building plans were developed for FIPs and implemented during the reporting period.
23. Fund's safeguards documents along with national Environmental Protection Agency's (EPA) guidelines were shared with FIPs as reference documents for project screening and categorization.
24. FIPs were guided on implementation of EMP throughout the project cycle and its importance through both hands on mentoring and virtual meetings.
25. Covid-19 safety guidelines during the project implementation were communicated with FIPs and their implementation was assured in every quarter to avoid any anticipated or unforeseen impacts.
26. FIPs were technically guided on the use and applicability of both Fund's and national environmental safeguards requirements through hands on mentoring and virtual meetings.
27. Subsequently, environmental specialists/focal persons of non-public sector FIPs were technically guided/trained for site identification, screening, assessment and categorization during IEE update for 100 % sites.
28. In addition to the above, FIPs were guided and linked with regional EPAs, for seeking No Objection Certificates and preparing site specific EMPs.
29. 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

30. 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.
31. 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.
32. Moreover, field visit report was prepared for PID projects during the reporting period and shared with GM-QAG (acting).
33. In some cases, e.g. (PRCS, PPAF, IRP as NPSE & GB, AJK as PSE), EPAs demanded Concise Environmental and Social Management Plans (ESMPs) and Initial Environmental Examination Reports in order to grant approvals for projects. FIPs prepared and submitted these required reports to the EPA for NOC.

3.1. Environmental Approvals

34. GIAs were equipped with environmental safeguards clauses, including approval from the respective EPAs for projects involving civil works.

35. Projects that are categorized in environmental category “B” as per ESMS, owing to moderate and site-specific adverse impacts were cleared by EPA without requirement of IEE & EIA.
36. FIPs shared clearance/NOC on the letter head of respective EPAs and some entities are still in process and are in continuous liaison with EPAs to obtain the mandatory clearances before commencement of civil works.
37. The overall status of EPA approvals for all projects is given in table 3.

3.2. Information Disclosure

38. 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.

4. Projects’ Implementation Status

39. 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 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"> Flood Protection works in Quetta Water conservation structures in Chagai 	IRP	I	Signed	B	Completed	Completed	In process (IEEs have been submitted to the EPA. Approval is awaited)
6.	Promoting Integrated Mountain Safety in Northern Pakistan (PIMSNP)	Flood Protection Wall	AKF	I	Signed		Completed	Completed	Cleared

S. No.	Title of Project	Scope of Work	FIP	Cycle	GIA Status	Environmental Category	DDR	IEE	EPA Approval Status
7.	Vulnerability to Resilience (V2R)	<ul style="list-style-type: none"> Flood Protection walls Land stabilization 	PRCS	I	Signed	B	Completed	Being updated for 100% sites	In process (Comprehensive ESMP has been submitted to EPA. Approval is awaited)
8.	Landslide Control and Management Along Major Roads in AJK (4 Sub-Projects)	<ul style="list-style-type: none"> Landslide mitigation Remedial works 	C&W AJK	II	Signed	B	Completed	Completed	Cleared
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"> Earthwork Stone pitching Recoupment of T-Head spurs with stones. 	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"> Stone Apron Stone Pitching Earth Work 	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"> Reducing the vulnerability of communities by naturally induced disasters. 	GB PWD	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
		<ul style="list-style-type: none"> Protection of highly flood prone areas along Indus River and its tributaries Protection of existing agricultural lands and public sector infrastructures 							
12.	Strengthening of GB Emergency Services (Rescue 1122) at all districts of GB	<ul style="list-style-type: none"> Purchase of Emergency Vehicles Control Rooms Solutions and equipment and training Rescue Emergency equipment PPEs for Rescuers 	GB	II	Signed	C	Completed	N. A	N. A
13.	Strengthening Tsunami and Earthquake Preparedness in coastal areas of Sindh Province	<ul style="list-style-type: none"> Tsunami Awareness to local population Early Warning System installation Evacuation Planning for 	PDMA - Sindh	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
		local communities							
14.	Building Resilience to Disasters & Climate Change	Flood Protection Works	PPAF	II	Signed	B	Completed	Being updated for 100% sites	Cleared by GB, Balochistan and KP, In process for Punjab and Sindh
15.	Building resilience by strengthening the community through inclusive Disaster Risk Management	<ul style="list-style-type: none"> Flood protection Works Water conservation structures for drought mitigation 	MAP	II	Signed	B	Completed	being updated for 100% sites	In Process
16.	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	P&H GoAJK	III	Yet to be Signed	B	Completed	Completed	GIA yet to be signed
17.	Water Conservation and Flood Protection Schemes –Mekran Zone, Balochistan	<ul style="list-style-type: none"> Flood Protection works Water conservation structures 	Irrigation Department – GoB	III	Yet to be Signed	B	Completed	Completed	GIA yet to be signed
18.	Water Conservation and Flood Protection Schemes Quetta and Canal Zone, Balochistan	<ul style="list-style-type: none"> Flood Protection works Water conservation structures 	Irrigation Department – GoB	III	Yet to be Signed	B	Completed	Completed	GIA yet to be signed
19.	Water Conservation and Flood Protection Schemes- Khuzdar Zone, Balochistan	<ul style="list-style-type: none"> Flood Protection works 	Irrigation Department – GoB	III	Yet to be Signed	B	Completed	Completed	GIA yet to be signed

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"> Water conservation structures 							
20.	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	GIA yet to be signed

40. 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
Non-Public Sector Entities		
1	Agha Khan Foundation Pakistan	<ul style="list-style-type: none"> • IEE has been updated for 100% sites • EMP has been revised for COVID-19 guidelines • CEMP preparation is in process and will be completed before commencement of civil works. • EPA NOCs from all regions have been received. • Civil work has not been started till date
2	Pakistan Red Crescent Society (PRCS)	<ul style="list-style-type: none"> • IEE update is in process for 100% sites. • EMP revised for COVID-19 guidelines • CEMP preparation is in process and will be completed before commencement of civil works. • A comprehensive EMP document has been prepared & submitted to the EPA upon their request and approval is awaited. • Design vetting has been conducted by the consultancy firm. • Civil work has not been started till date
3	Islamic Relief Pakistan	<ul style="list-style-type: none"> • IEE has been updated for 100% sites • EMP revised for COVID-19 guidelines • CEMP preparation is in process and will be completed before commencement of civil works • As per the request of Balochistan EPA, district wise IEEs have been prepared & submitted for review; approval is awaited. • Design vetting has been conducted by the consultancy firm. • Civil work has not been started till date.
4	Pakistan Poverty Alleviation Fund (PPAF)	<ul style="list-style-type: none"> • IEE update is in process for 100% sites. • COVID-19 guidelines are shared with PPAF for incorporating in EMP. • CEMP preparation is in process and will be completed before commencement of civil works. • EPA NOCs for KP, GB and Balochistan have been received, while for Sindh & Punjab are in progress. IEE documents have been submitted upon the request by both Punjab and Sindh EPA. • Civil work has not been started till date.
5	Muslim Aid Pakistan	<ul style="list-style-type: none"> • IEE update is in progress for 100% sites • COVID-19 guidelines are shared with MAP for incorporating in EMP. • CEMP Templates shared with MA & in progress • Meetings held with EPA Balochistan and IEE will be submitted as per their request in the quarter ending September 2021. • Proposed project schemes/sub-projects are in design phase. • Civil work has not been started till date.
Public Sector Entities		
1	Punjab Irrigation Department	
1.1	Rehabilitation of Old Deg Nullah from Deg Diversion Channel to Q.B Link Canal	<ul style="list-style-type: none"> • Civil work has been started after clearance of all prior requirements.

		<ul style="list-style-type: none"> EPA has been consulted by PID with no IEE and EIA requirement for the project. CEMP is prepared and approved by NDRMF's environment unit. Civil work is in progress and completion date is 30th November 2021
1.2	Rehabilitation of Hajipur Gujran Flood Protection Bund from Rd 0+000 to Rd 37+750	<ul style="list-style-type: none"> Civil work has been started after clearance of all prior requirements. EPA has been consulted by PID with no IEE and EIA requirement for the project. CEMP is prepared and approved by NDRMF's environment unit. Civil work is in progress and completion date is 30th November 2021
1.3	Restoration of Jalala Flood Protection Bund from Rd 0+000 To Rd 26+700	<ul style="list-style-type: none"> Civil work has been started after clearance of all prior requirements. EPA has been consulted by PID with no IEE and EIA requirement for the project. CEMP is prepared and approved by NDRMF's environment unit. Civil work is in progress and completion date is 30th November 2021
1.4	Protecting Village Abadies Shahapur Changora, Fatehpur Gujran, Suko Chak, Chakra, Negrota, Khosa & Gole against Erosive Action of Bein Nullah	<ul style="list-style-type: none"> Civil work has been started after clearance of all prior requirements. Shahpur Changora, and Gole sub-projects have been completed. EPA has been consulted by PID with no IEE and EIA requirement for the project. CEMP is prepared and approved by NDRMF's environment unit. Civil work is in progress and completion date is 30th November 2021
2	PWD Gilgit Baltistan	
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"> IEE updated for 100% sites along with Covid guidelines EPA NOC has been received. No civil work started on ground. CEMP template has been shared and will be prepared before commencement of civil works.
3	C&W Department GoAJ&K	
3.1	Landslide Control and Management and Mitigation Along Major Roads in AJK (4 Sub-Projects)	<ul style="list-style-type: none"> IEE is on 100% sites information along with Covid-19 guidelines. EPA NOC has been received. Civil work has not started yet. CEMP template has been shared.

5. EMP Compliance Status

41. As discussed earlier in the report that EMP compliance visit was limited to PID projects due to civil works progress only on these subprojects. Field visit report was prepared on EMP compliance and brief analysis is given in the below table:

Table 4: PID EMP Compliance Status

S. No.	FIP Name	Visited Sites	Issues/Constraints in EMP implementation	Recommendations	Actions Taken
1	Punjab Irrigation Department (PID)	<ul style="list-style-type: none"> Narowal Sub-project sites Sheikhupura Sub-project sites 	<ul style="list-style-type: none"> Use of PPEs was observed but complete gear was missing e.g., safety shoes. Proper solid waste management procedures were not in place e.g., use of bins; however, the camp site seemed tidy and no waste was observed No environmental monitoring record was being maintained at the site; However, the FIP has submitted quarterly reports based on the monthly checklist. HSE plan and Emergency Response Procedures were not provided to RE. Dust generation is satisfactorily managed but the record does not exist. 	<ul style="list-style-type: none"> EMP compliance record needs to be maintained along with pictorial evidence on a daily basis. Although quarterly reports are being submitted regarding environmental compliance but they need to contain the incumbent evidences e.g., record of water sprinkling. Copies of CEMP need to be available on all sites along with all sub plans that have been prepared as part of it e.g., Emergency Response Plan and Occupation Health and Safety Plan. Currently, the CEMP was only present at some of the sites. Safety and warning signs in Urdu need to be placed at all sites to ensure community safety. Water sprinkling needs to be conducted vigilantly on a daily 	<ul style="list-style-type: none"> XEN of both projects have been appointed as focal persons for the implementation of EMP, respectively. Copies of CEMP have been made available on Narowal sub-project sites, however, for Sheikhupura sub-projects sites copies of CEMP will be made available at earliest as committed by the Executive engineer of Sheikhupura project. First aid kits were made available on all sub-project sites of both the projects with dedicated staff members for use of kits in case of an emergency. Grievance registers have been made available on all the sub-project sites as per our recommendation

				basis and record needs to be maintained.	(pictures attached as annexure). <ul style="list-style-type: none"> It has been communicated to the respective XENs of both projects to ensure the maintenance of record of EMP compliance measures
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5.1. PID Subproject details:

The table below shows details on PID works including physical progress

S. No.	Subproject Name	Physical Progress	Machinery		Manpower		Facilities established for subproject e.g., camps, access roads	HSE Staff present Yes/No?
					Skilled	Unskilled		
1	Rehabilitation of Hajipur Gujran Flood Protection Bund: from RD 0+000 to RD 37+750	69%	Excavator with Tires	6	25	35	Temporary labor camps	Yes
			Excavator with Chains	3				
			Truck Dumpers	16				
			Roller Vibrator	2				
			Dozers	2				
			Grader	1				
			Front Blade Tractor	2				
			Tractor with trolley	3				
			Water Tanker with tracker	3				
			Pick up cars	2				
2	Rehabilitation of Jalala Flood Protection Bund: from RD 0+000 to RD 26+700	61%	Excavator with Tires	3	15	25	Temporary labor camps	Yes
			Excavator with Chains	1				
			Truck Dumpers	3				
			Roller Vibrator	1				
			Dozers	1				
			Front Blade Tractor	1				

S. No.	Subproject Name	Physical Progress	Machinery		Manpower		Facilities established for subproject e.g., camps, access roads	HSE Staff present Yes/No?
					Skilled	Unskilled		
			Tractor with trolley	6				
			Water Tanker with tracker	1				
			Pick up cars	1				
3	Protection of Village settlements (Shahpur Changora, Fatehpur Gujran, Sukho Chak, Chakrra, Negrota, Khosa and Gole) against erosive action of Bein Nullah in District Narowal	49%	Excavator with Tyres	4	12	25	Temporary labor camps	Yes
			Excavator with Chains	1				
			Truck Dumpers	2				
			Dozers	1				
			Front Blade Tractor	2				
			Tractor with trolley	8				
			Water Tanker with tracker	1				
			Pick up cars	1				
4	Rehabilitation of Old Deg Nullah from Deg Diversion Channel to Q.B Link Canal	24%	Excavator	6	28	62	Temporary labor camps	Yes
			Dozers	1				
			Water Bowser	4				
			Road Roller (Vibrator)	2				
			Truck Dumper	1				
			Reverse Rotary	1				
			Mixer Machine	4				
			Tractor Trolley	4				
			Arrangement for Pile Load Test	1				
			Toyota Hilux	2				
			Vibrator	4				

6. Grievance Redress Mechanism

42. 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.
43. In order to receive and facilitate the resolution of affected peoples, grievance redress committee has been proposed in the IEE for category B projects with project specific focal person as shown in Figure 1 below.
44. At the same time Grievance Regress Committee (GRC) has been notified by Punjab Irrigation Department for the approved projects for registering, processing and resolving related matters and issues from the stakeholders.
45. Grievances have not been registered from any stakeholders during the reporting period.

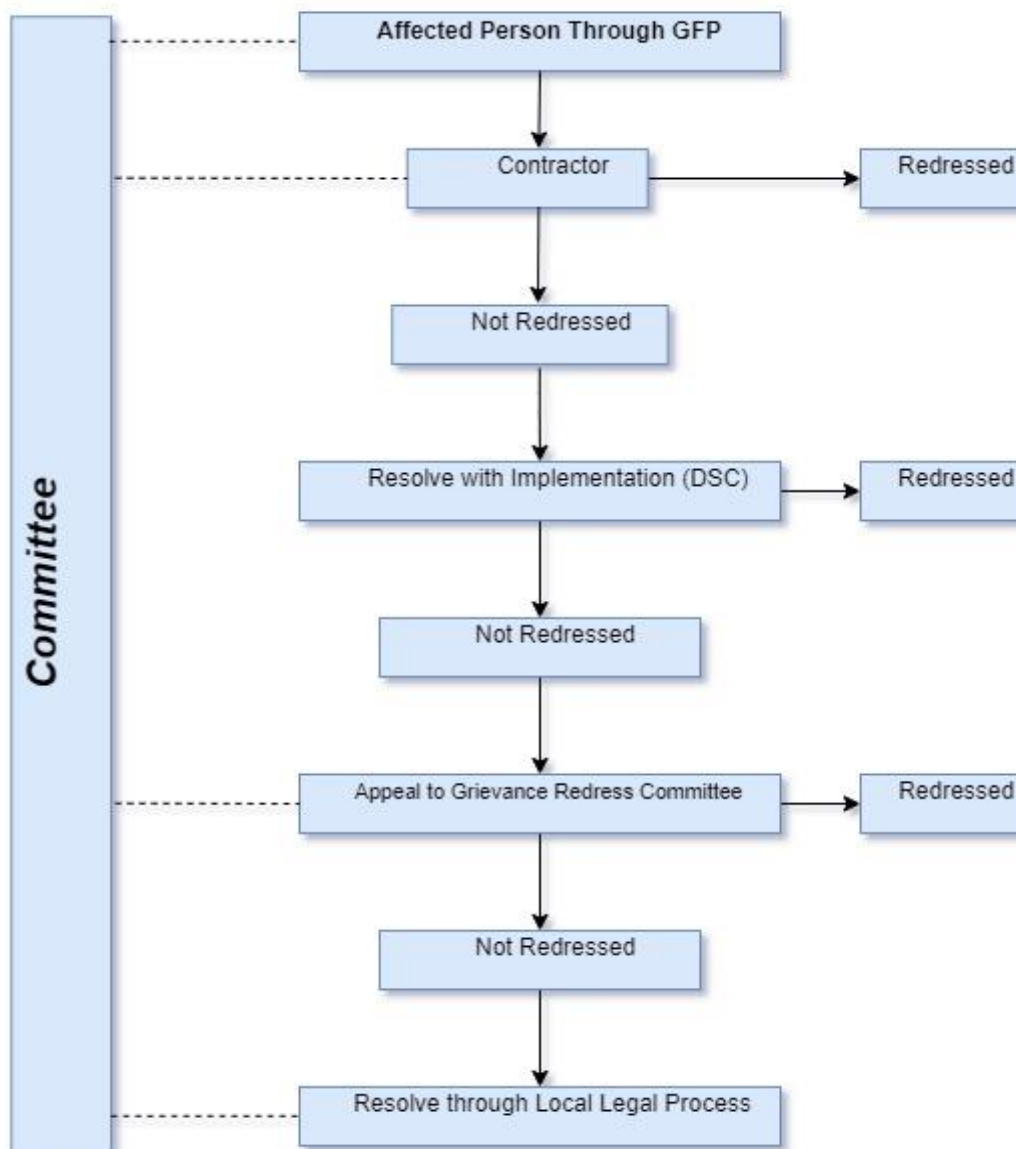


Figure 1: GRM System

7. Lessons Learned

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

- Capacity of FIPs regarding safeguards still needs improvement along with continuous supervision;
- Understanding of EMP and its implementation has improved but requires more vigilance, as was observed during PID site visit;
- Need for dedicated/trained HR for environmental safeguards;
- Contractors' experience with regards to implementation of HSE measures and environmental management should be taken into account while selection;
- Challenges in getting clearances from provincial EPAs due to unfamiliarity of officials with projects involving multiple small-scale schemes. Subsequently, coordination gaps were observed between EPA and non-public sector FIPs.

8. Way Forward

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

- Need assessment of FIPs to fill the gaps for environmental safeguards
- Capacity building session based on need assessment
- Updating IEEs on 100% schemes/sites project information
- Budgetary provision in projects proposal for HR and EMP compliance cost
- Environmental clearances/approvals from respective EPAs before commencement of civil works
- Implementation of EMP measures ensured on all projects and training of contractor's staff for better environmental management of sites

ANNEXURE – 1. FIELD VISIT PICTURES

Punjab Irrigation Department (Narowal Sub-project Sites)



Figure 2: Consultation with Project Team at Jalala Flood Protection Bund Site



Figure 3: Consultation with Project Team at Jalala Flood Protection Bund Site



Figure 4: Consultation with Project Team at Hajipur Gujran Flood Protection Bund Site



Figure 5: Consultation with Project Team at Hajipur Gujran Flood Protection Bund Site



Figure 6: Covid-19 SOPs Displayed on Jalala Flood Protection Bund Site



Figure 7: Covid-19 SOPs Displayed on Hajipur Gujran Flood Protection Bund Site



Figure 8: First Box and Grievance Redressal Register at Narowal Sites

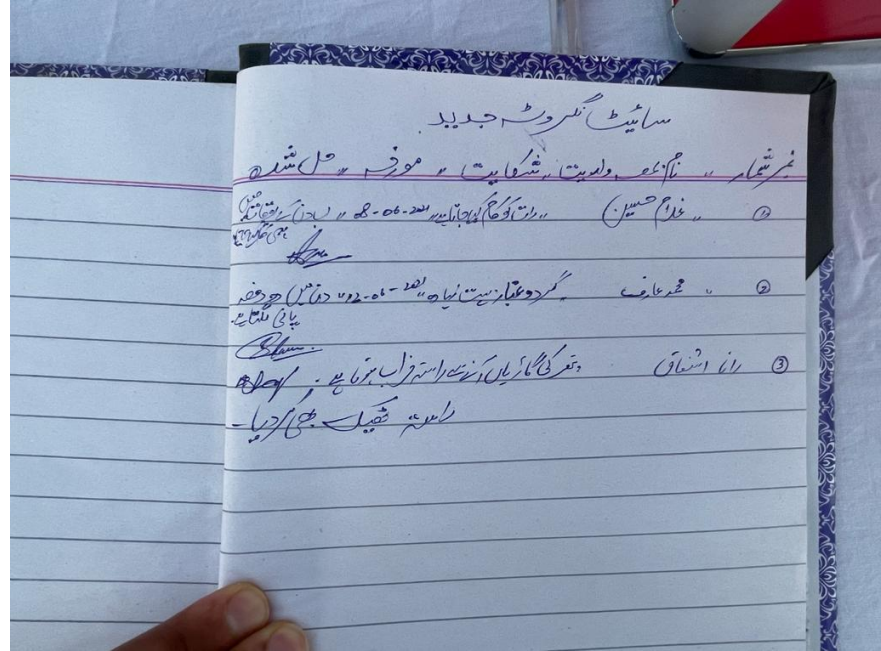


Figure 9: Grievance Redressal Register at Narowal Sites

Punjab Irrigation Department (Sheikhupura Sub-project Sites)



Figure 10: First Aid Box at Sheikhpura Sites



Figure 11: PPEs being used at Sub-project Sites



Figure 12: Materials Being Stockpiled on Sheets at Sub-project Sites



Figure 13 Fire Extinguisher Placed at Sub-project Sites



Figure 14: Signage of Working Area Erected on Sub-project Sites



Figure 15: LPG Cylinders and Solar Panels Being Used on Sub-project Sites by Labors



Figure 16: Water Sprinkling Tankers in Place for Daily Water Sprinkling



Figure 17: Piling and Construction of Bridges on Sub-project Sites

ANNEXURE – 2. ENVIRONMENTAL MANAGEMENT PLAN COMPLIANCE CHECKLIST

S. No	Description	Yes/No	Compliance Rating	Remarks/CAP
Camp Site				
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?			
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?			

S. No	Description	Yes/No	Compliance Rating	Remarks/CAP
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)			
Top Soil Erosion/ Borrow pits				
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?			
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?			
Encroachment on rural communities and means of livelihood				
31.	No shops or houses inside ROW?			

S. No	Description	Yes/No	Compliance Rating	Remarks/CAP
32.	No impact on the means of livelihood of the community as a result of the work?			
Encroachment on ecology				
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			
Encroachment on Historical/ Cultural/ Archaeological Sites				
36.	No damage to the Archaeological /Religious/Cultural or Historical sites?			
Impact on Vegetation				
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?			
Surface and Groundwater Contamination				
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?			
Impact on Adjacent Communities				
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?			

S. No	Description	Yes/No	Compliance Rating	Remarks/CAP
45.	Community consultation has been carried out for project activities/concerns?			
46.	No complaint registered in the Grievance Log			
Dust Generation				
47.	Dust Generation during construction well managed and record exists			
48.	Proper sprinkling is done on regular basis?			
Impact on Human Settlements and Wildlife Habitat				
49.	Site selected for camp is 100 m from the human settlements and wildlife habitats?			
Safety Impacts due to Road Construction				
50.	Safety signs are properly displayed?			
51.	Construction machinery parked at designated areas?			
52.	Traffic issues managed well, no complaints on record			
Noise and Vibration				
53.	No complaints were made due to noise and vibration?			
54.	Construction activities carried out in daylight to reduce the impact of noise?			
Damage to Services				
55.	No damage reported to public services like electric, water, gas, sewer or telephone lines?			
Transportation of Construction Materials				
56.	Transport trucks are weighed to verify that they don't exceed the bridge and pavement structure weight limit?			

S. No	Description	Yes/No	Compliance Rating	Remarks/CAP
Asphalt Plants				
57.	Asphalt material is taken from existing approved plants?			
58.	Asphalt Plant properly managed, no complaints			
Quarrying Materials				
59.	No New Quarry site Opened			
60.	No complaint registered about the quarry sites?			