MINISTRY OF NATIONAL FOOD SECURITY & RESEARCH

NATIONAL PROGRAM FOR ENHANCING THE COMMAND AREA IN BARANI AREAS OF PAKISTAN (NPECA)
PROJECT CONSULTANTS FOR IMPLEMENTATION ASSISTANCE, EXECUTION SUPERVISION AND THIRD-PARTY VALIDATION

MONTHLY PROGRESS REPORT
October-2024

NATIONAL PROJECTS COORDINATOR
FEDERAL PROJECT MANAGEMENT UNIT

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1 INTRODUCTION

Rain-fed agriculture has been playing an important role in providing food and livelihoods for an ever-increasing population. A vast number of the poorest farmers depend on direct rainfall to derive their precarious livelihoods in Pakistan. However, the scanty and more often erratic nature of rainfall distribution poses serious challenges to agricultural productivity and people's livelihoods. The water runoff losses from cultivated rain-fed areas are about 6 MAF. The cultivable land of 3.37 mha exists in rainfed areas that can be brought under sustainable agriculture. In the rainfed area of Pakistan, 772 small dams exist in all provinces, 619 in Baluchistan, 81 in Sindh, 58 in Punjab, and 14 in Khyber Pakhtunkhwa. The total potential command area of these small dams is 680,420 acres, out of which only 13.3 % are being irrigated and developed and 86.7 % are undeveloped. 2,997 mini dams also exist in Punjab and KP; 1853 in Punjab and 1,144 in Khyber Pakhtunkhwa. The total potential command area under mini dams is 48,613 acres, out of which about 25% command area has been developed. Hence the crop intensity and crop production in these command areas are extremely low. The main factor of low productivity includes less on-farm water storage capacity, low land/water productivity, unavailability of energy at the farm, underdeveloped command area of small/mini dams and other water reservoirs, huge culturable waste, unavailability of skilled manpower, less coordination between departments and fewer linkages between federal and provincial research and development departments.

The rain-fed areas need an integrated approach to promoting sustainable agriculture and improving livelihood. For instance, the development of mini dams should be coupled with the catchment and command area development of the watershed. Similarly, other interventions including watercourse/pipelining, soil erosion control structures/ diversion structures, on-farm water storage tanks, solar pumps, sprinkler/drip irrigation systems, and high-value crops need to be pursued simultaneously. The capacity building of stakeholders is also proposed to stimulate the adoption of appropriate technologies at national and local levels.

Soil, water, and energy conservation technologies are effective, but blunt, instruments for reducing rural poverty, and research is needed on the best means to reduce disparities among landowners and between landowners and other groups, without compromising productivity and wider poverty alleviation gains. The most appropriate measure for increasing the water productivity at the farm level would be to conserve the maximum of available runoff water generated by rains, wherever possible through the development of water storage ponds/ tanks or other such interventions and then using it for supplemental irrigation of water-sensitive crops. The climatic conditions, soils, and water resources in the project area provide enormous opportunities for growing high-value and cash crops like orchards (citrus, olive, grapes, stone fruits), vegetables (cucumber, capsicum, chilies, onion, tomato, potato, garlic, etc.), groundnut, pulses, mustard, sesame, etc. Therefore, enormous potential exists for the development of irrigated agriculture in barani (rainfed) areas through effective water resource development and efficient management.

1.1 DESCRIPTION OF THE PROJECT

The National Program for Enhancing Command Area in Barani Areas of Pakistan has a strong relationship with all the strategies and growth development of the Government of Pakistan. It is in line with the Medium-Term Development Framework (MTDF) of the Government of Pakistan, which envisages efficient water conveyance and its application through rehabilitation/ improvement of farm-level water infrastructure and adoption of improved irrigation methods e.g., drip and sprinkler irrigation, etc. The Pakistan Growth

Strategy envisages irrigation water management as one of the components for achieving the targeted agricultural growth, which would be achieved through water conservation at the farm level through the construction of water storage ponds, development of dug wells, improvement of watercourses in the command area of small dams/ mini dams of barani areas of Pakistan, installation of solar pumping systems at the farm pond, dug wells, and provision of LASER land levelers.

The project follows an integrated approach including the development of water sources (farm ponds and dug wells) for assured supply of irrigation water, construction of farm level water distribution network (watercourses) for irrigating crops, promotion of LASER land leveling services, solar pumping systems for irrigation, and the capacity building of stakeholders for promotion of irrigated agriculture in the rain-fed areas. The Project envisions promoting an environment-friendly, socially sustainable, resource-efficient, and economically profitable irrigated agriculture through integrated management of available soil and water resources by strengthening small landholder farmers. It would be achieved through increased water conveyance and application efficiency, adopting improved irrigation methods, use of solar energy for water lifting/ HEIS operation for promoting crop diversification, effective use of costly inputs, and capacity building of water users in the project area.

Table 1: Province/district-wise details of the Project

Sr. No.	Province	Districts
1.	**Punjab**	Attock, Chakwal, Jhelum, Rawalpindi, Dera Ghazi Khan, Layyah, Rajanpur, Khushab, Bhakkar, Mianwali, Gujrat, Sialkot, Narowal
2.	**Baluchistan**	Quetta, Pishin, Killa Abdullah,Chagai, Nushki, Zhob, Bharkhan, Musa Khail, Killa Saifullah, Duki, Loralai, Sherani, Sibi, Harnai, Ziarat, Kohlu, Naseerabad, Jhal Magsi, Kalat, Surab, Mastung, Khuzdar, Awaran, Kharan, Washuk, Kech, Lasbela, Panjgur, Dera Bugti, Gawadar, Bolan
3.	**Khyber Pakhtunkhwa**	Karak, Kohat, Bannu, Hangu, Haripur, Peshawar, Nowshera, Charsadda, Swabi, Dir, Swat
4.	**Azad Jammu Kashmir**	Neelum, Muzaffarabad, Hatian, Bagh, Haveli, Poonch, Sudhnoti, Lotli, Mirpur, Bhimber
5.	**Gilgit Baltistan**	Gilgit, Skardu, Shigar, Kharmang, Diamer, Astore, Ghanche, Hunza, Nagar
6.	**Islamabad Capital Territory**	Islamabad

The component-wise details of the project are given below.

- Construction and solarization of **1,679** farm ponds for storing and supplying rainwater from various sources.
- Installation of solar systems on **1,679** farm ponds for the operation of HEIS.
- Development of **2,584** dug wells for the development of water resources to promote irrigated agriculture.
- Installation of **2,584** solar pumping on dug wells for water development and HEIS operation (Inclusive of 50 hydro-ram pumps for GB component instead of solar pumping systems on dug wells).

- Development/ Improvement of **1,432** watercourses carrying water from various sources for enhancing water conveyance efficiency at the farm level.
- Provision of **606** Laser land Levellers to the farmer's/ service providers for Laser land levelling services in the barani areas. In addition, conventional land levelling will also be done on **34,000** acres in Khyber Pakhtunkhwa.
- Provision of fruit plants, oilseeds/ pulses crops & and fodder/ forage/ range on **32327, 78011 and 57781** acres respectively, in the command area of small/mini dams to ensure irrigated agriculture.
- Establishment of demo-cum-training sites at (Punjab, Balochistan, KPK, AJK, ICT & GB) and undertake need-based research activities when required.

2 PHYSICAL PROGRESS REPORT BY ALL PROVINCES FY 2024-25

2.1 Punjab

Table 2: Progress against the targets for FY 2024-25 during the month of October 2024 (Punjab)

Intervention	AWP Targets	Design						ICR-I							ICR-II						FCR					
		Carry Over 2023-2024	Remaining Targets 2024-2025	Offered	Approved	Deferred	Balance	Total Targets	Carry Over 2023-2024	Remaining Targets 2024-2025	Offered	Approved	Deferred	Balance	Total Targets	Remaining Targets 2024-2025	Offered	Approved	Deferred	Balance	Total Targets	Remaining Targets 2024-2025	Offered	Approved	Deferred	Balance
Farm Pond	194	54	100	50	50	0	50	194	27	159	31	31	0	128	194	187	3	3	0	184	194	192	0	0	0	192
Solar Pumping System on Farm Ponds	105	31	65	1	1	0	64	105	12	88	0	0	0	88	105	105	0	0	0	105	105	101	3	3	0	98
Dug Well Development	376	124	180	79	79	0	101	376	54	304	55	55	0	249	376	354	18	18	0	336	376	376	0	0	0	376
Solar Pumping System on Dug wells	105	30	74	1	1	0	73	105	24	81	0	0	0	81	105	105	0	0	0	105	105	102	1	1	0	101
Water Courses Development	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LASER Land Leveler	226																				226	226	0	0	0	226
Fruit Plants (Ac)	90																				90	90	0	0	0	90
Oil Seeds (Ac)	343																				343	343	0	0	0	343
Fodder/Forage (Ac)	345																				345	345	0	0	0	345

Table 3: Progress against Reverification of Backlog till June 2023, during the month of October 2024 (Punjab)

Intervention	Total Targets as on 1-7-23	Left Over as on 1-10-24	Offered	Checked	Verified	Deferred	Balance	Cumulative Progress
Farm Pond	169	0	0	0	0	0	0	169
Solar Pumping System on Farm Ponds	64	11	4	4	4	0	7	57
Dug Well Development	190	6	0	0	0	0	6	184
Solar Pumping System on Dug wells	52	1	1	1	1	0	0	52
Water Courses Development	420	0	0	0	0	0	0	420
LASER Land Leveler	276	0	0	0	0	0	0	276
Fruit Plants (Ac)	1,345	415	0	0	0	0	415	930
Oil Seeds (Ac)	2,918	2918	0	0	0	0	2918	0
Fodder/Forage (Ac)	2,317	2317	0	0	0	0	2317	0

The detailed Progress Report for the month of October 2024 is annexed as A.

2.2 A Pictorial Display of Field Visits to Punjab


33.45008694N 72.46068467E
Altitude:362.4m
Speed:0.0km/h
#Majid Khan SL on Dw Revalidation Attock


Oct 4, 2024 04:15 PM
33°13'16" N 73°25'11" E
43° NE
Altitude:408 meter
Speed:1.5km/h
Site Name Tazeem Kousar Tarannum
Dug Well
Mouza Raja Narra
Tehsil & District Jhelum

Figure 1: Field visit of Punjab during the month of October 2024

2.3 Baluchistan

Table 4: Progress against the targets for FY 2024-25 during the month of October 2024 (Baluchistan)

Intervention	AWP Targets	Design						ICR-I						ICR-II						FCR					
		R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress	R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress	R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress	R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress
Farm Pond	93	93	0	0	0	93	0	93	0	0	0	93	0	93	0	0	0	93	0	93	0	0	0	93	0
Solar Pumping System on Farm Ponds	93	93	0	0	0	93	0	93	0	0	0	93	0	93	0	0	0	93	0	93	0	0	0	93	0
Dug Well Development	186	186	0	0	0	186	0	186	0	0	0	186	0	186	0	0	0	186	0	186	0	0	0	186	0
Solar Pumping System on Dug wells	186	186	0	0	0	186	0	186	0	0	0	186	0	186	0	0	0	186	0	186	0	0	0	186	0
Fruits/Plants (Acres)	4500																			4500	0	0	0	4500	0
Oil seeds/pulses (Acres)	9480																			9480	0	0	0	9480	0
Fodder (Acres)	7500																			7500	0	0	0	7500	0

Table 5: Progress against Reverification of Backlog till June 2023, during the month of October 2024 (Baluchistan)

Interventions	Total Targets as on 1-7-23	Left Over as on 1-10-24	Offered	Checked	Verified	Deferred	Balance	Cumulative Progress
Farm Ponds	399	233	10	10	6	4	227	172
Solar Pumping System on Farm pond	355	210	10	10	6	4	204	151
Rehabilitation/Development of Dug Wells	571	346	10	10	7	3	339	232
Solar Pumping System on Dug Wells	497	309	10	10	7	3	302	195
Water Courses Development	369	152	11	11	11	0	141	228
Fruits/Plants (Acres)	5609	3830.5	64	64	64	0	3766.5	1842.5
Oil seeds/pulses (Acres)	11829	10003.5	0	0	0	0	10003.5	1825.5
Fodder (Acres)	8927	6275.34	0	0	0	0	6275.34	2651.66

The detailed Progress Report for the month of October 2024 is annexed as B.

2.4 A Pictorial Display of Field Visits to Balochistan

Figure 2: Field visit of Balochistan during the month of October 2024

2.5 Khyber Pakhtunkhwa

Table 6: Progress against the targets for FY 2024-25 during the month of October 2024 (KPK)

Intervention	Targets 2024-2025	Design						ICR-I						ICR-II						FCR					
		R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress	R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress	R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress	R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress
Water Courses Development	100	96	2	2	0	94	6	96	2	2	0	94	6	96	2	2	0	94	6	96	2	2	0	94	6
Rough Land Leveling (Ac)	8000	8000	0	0	0	8000	0	8000	0	0	0	8000	0	8000	0	0	0	8000	0	8000	0	0	0	8000	0
Fruit Plants (Ac)	500	500																		485	0	0	0	485	15
Oil Seeds (Ac)	1250	1250																		1250	0	0	0	1250	0
Fodder/Forage (Ac)	300	300																		300	0	0	0	300	0

Table 7: Progress against Reverification of Backlog till June 2023, during the month of October 2024 (KPK)

Intervention	Total Targets As on 1-7-23	Left Over as on 1-10-24	Offered	Checked	Verified	Deferred	Balance	Cumulative Progress
Water Courses Development	143	18	5	5	5	0	13	130
Rough Land Leveling (Ac)	4766	1261	0	0	0	0	1261	3505
Fruit Plants (Ac)	915	701	89	89	40.55	48.45	660.45	254.55
Oil Seeds (Ac)	677	616	0	0	0	0	616	61
Fodder/Forage (Ac)	163	143	0	0	0	0	143	20

The detailed Progress Report for the month of October 2024 is annexed as C.

2.6 A Pictorial Display of Field Visits to Khyber Pakhtunkhwa

Figure 3: Field visit of Khyber Pakhtunkhwa during the month of October 2024

2.7 Azad Jammu and Kashmir

Table 8: Progress against the targets for FY 2024-25 during the month of October 2024 (AJK)

Intervention	Targets 2024-2025	Design				ICR-I				ICR-II				FCR			
		R. Targets	Offered	Approved	Balance	R. Targets	Offered	Approved	Balance	R. Targets	Offered	Approved	Balance	R. Targtets	Offered	Approved	Balance
Farm Pond	15	10	6	6	4	15	0	0	15	15	0	0	15	15	0	0	15
Solar Pumping System on Farm Ponds	15	15	0	0	15	15	0	0	15	15	0	0	15	15	0	0	15
Dug Well Development	20	18	1	1	17	20	0	0	20	20	0	0	20	20	0	0	20
Solar Pumping System on Dug wells	20	20	0	0	20	20	0	0	20	20	0	0	20	20	0	0	20
Water Courses Development	9	9	0	0	9	9	0	0	9	9	0	0	9	9	0	0	9
Fruit Plants (Ac)	200	200												200	0	0	200
Oil Seeds (Ac)	100	100												100	0	0	100
Fodder/Forage (Ac)	100	100												100	0	0	100

Brought Forward FY 2023-2024 during the month of October (AJK)

Intervention	Total Approved Feasibility & Design	Brought Forward ICR 1	Total Verified ICR 1	ICR-I			ICR-II				FCR			
				Offered	Verified	Total	Verified Till September	Offered	Verified	Total	Verified Till September	Offered	Verified	Total
Farm Pond	13	2	2	0	0	2	0	0	0	0	0	0	0	0
Solar Pumping System on Farm Pond	1	0	0	0	0	0	0	0	0	0	0	0	0	0
Dug Well Development	5	1	1	0	0	1	0	0	0	0	0	0	0	0
Solar Pumping System on Dug wells	12	8	8	0	0	8	8	0	0	8	0	3	3	3
Water Courses Development	0	8	8	0	0	8	4	0	0	4	0	4	4	4

The detailed Progress Report for the month of October 2024 is annexed as D

2.8 A Pictorial Display of Field Visits to Azad Jammu and Kashmir


24-Oct-2024 at 4:47:15 PM
33° 5' 0" N, 73° 45' 45" E
46° NE
Altitude:260.4meter
Speed:0.2km/h
Site Name: Chak Thakra (Mirpur Ajk)
Scheme Type: Solar System
Farmer Name: Mian M Sajid


29 Oct 2024 12:44:33 pm
34.217535 73.59621833333334
site name Komi Rasgran Muzaffarabad
scheme type Dugwell
Farmer name M.Saeed
Google

Figure 4: Field visit of Azad Jammu and Kashmir during the month of October 2024

2.9 The Islamabad Capital Territory

Table 9: Progress against the targets for FY 2024-25 during the month of October 2024 (ICT)

Interventions	Total Targets 2024-2025	Feasibility & Design						FCR					
		R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress	R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress
Farm Ponds	8	8	0	0	0	8	0	8	0	0	0	8	0
Solar pumping on Farm ponds	8	8	0	0	0	8	0	8	0	0	0	8	0
Dug well Development	15	15	0	0	0	15	0	15	0	0	0	15	0
Solar pumping on Dug wells	15	15	0	0	0	15	0	15	0	0	0	15	0
Laser Land Leveler	2	2						2	0	0	0	2	0
Fruit Plants (Acres)	180	180						180	0	0	0	180	0
Fodder/ Forage	600	600						600	0	0	0	600	0

Table 10: Progress against Reverification of Backlog till June 2023, during the month of October 2024 (ICT)

Intervention	Total Targets as on 1-7-23	Leftover as on 1-10-2024	Offered	Checked	Verified	Deferred	Balance	Cumulative Progress
Farm Ponds	24	6	0	0	0	0	6	18
Solar pumping on Farm ponds	12	8	0	0	0	0	8	4
Dug well Development	30	8	0	0	0	0	8	22
Solar pumping on Dug wells	15	4	0	0	0	0	4	11
LASER Land Leveler	0	0	0	0	0	0	0	0
Fruits/Plants (Ac)	0	0	0	0	0	0	0	0
Fodder (Ac)	0	0	0	0	0	0	0	0

2.10 Gilgit Baltistan

Table 11: Progress against the targets for FY 2024-25 during the month of October 2024 (GB)

Intervention	AWP Targets	Design						ICR-I						ICR-II						FCR					
		R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress	R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress	R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress	R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress
Farm ponds	33	33	0	0	0	33	0	33	0	0	0	33	0	33	0	0	0	33	0	33	0	0	0	33	0
Solar Pumping on Farm Ponds	33	33	0	0	0	33	0	33	0	0	0	33	0	33	0	0	0	33	0	33	0	0	0	33	0
Fodder (Ac)	390	390	0	0	0	390	0	390	0	0	0	390	0	390	0	0	0	390	0	390	0	0	0	390	0
Fruit/Plants (Ac)	211	211	0	0	0	211	0	211	0	0	0	211	0	211	0	0	0	211	0	211	0	0	0	211	0
Hydro Ram Pumps	11	11	0	0	0	11	0	11	0	0	0	11	0	11	0	0	0	11	0	11	0	0	0	11	0

Table 12: Progress against Reverification of Backlog till June 2023, during the month of October 2024 (GB)

Intervention	Total Targets as per AWP 2022--23	Initiated till June 2023	Initiated till July 2024	Initiated During 2023-24	Verified During 2023-24	Verified till Sep 2024	Offered	Verified	Cumulative Progress
Farm ponds	20	19	20	1	13	16	1	1	17
Solar Pumping on Farm ponds	20	19	20	1	13	16	1	1	17
Hydro Ram Pumps	10	0	0	0	0	0	0	0	0
Fruit Plants (Ac)	160	86	186.03	66	60	74	5	4	78
Fodder (Ac)	200	92	150.9	98	49.14	67.14	7	6	73.14

The detailed Progress Report for the month of October 2024 is annexed as E

2.11 A Pictorial Display of Field Visit to the Gilgit Baltistan

Figure 5: Field visit of Gilgit Baltistan during the month of October 2024

Table 13: Addresses of All Field Offices Under NPECA

Sr No	Offices	Address	Email ID	Contact No
1	Office of the Team Leader	Apartment no 105, 1st Floor, Rayan Heights, Ghauri Town, Phase 2, Islamabad Expressway, Islamabad	npeca.cameos@gmail.com	051-8777637
2	Office of the Field Engineer Incharge (Punjab)	House # 62-2 Sector C-2 Township Lahore	npeca.punjab.lhr@gmail.com	042-35120095
3	Office of the Field Engineer Incharge (KPK)	35-E-2, Canal Road, University Town, Peshawar	npeca.kpk@gmail.com	0348-9645780
4	Office of Provisional Coordinator (Balochistan)	Quetta Office, House no 8, Sundas Villas, Alamo Chowk, Airport Road	hgnnpeca@gmail.com	081-2864616
5	Office of the Field Engineer Incharge (AJK)	Kiyani House, Babu Mohalla, Near Tayyaba Hotel, Muzaffarabad	npeca.ajk@gmail.com	0333-9043650
6	Office of the Field Engineer Incharge (GB)	Shahrah-e-Quaid-e-Azam near Rupal Inn Khomer Gilgit.	npeca.gb@gmail.com	0312-6644660

3. FINANCIAL PROGRESS REPORT

Table 14: Financial Progress during the month of October 2024

IPC No.	Month	Description	Base Amount	Sales Tax	Total Amount
			Rs.		
Remuneration					
27-A	Oct-24	**National Office**	3,423,722	547,796	3,971,518
		AJK + ICT	239,617	38,339	277,956
		GB	411,161	-	411,161
		Punjab	582,705	93,233	675,938
		Balochistan	2,612,228	156,734	2,768,962
		KPK	420,276	8,405	428,681
Sub-total (A)			**7,689,709**	**844,507**	**8,534,216**

Reimbusable					
IPC No.	**Month**	**Description**	**Base Amount**	**Sales Tax**	**Total Amount**
			Rs.		
27-B	**Oct-24**	**Per Diem Allowence**	20,000	-	20,000
		Vehicle Rent	2,587,330	-	2,587,330
		Mobil Oil & POL Cost	1,586,510	-	1,586,510
		Reports Preparation production and transmission	382,030	-	382,030
		Rental Charges of consultants offices resgidences Utility Office operations & furnishing etc.	1,123,060	-	1,123,060
		Salaries of Supporting staff and work charged staff	1,990,062	-	1,990,062
Sub-total (B)			**7,688,992**	**-**	**7,688,992**
Grand Total (A+B)			**15,378,701**	**844,507**	**16,223,208**