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
July-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 **2,664** farm ponds for storing and supplying rainwater from various sources.
- Installation of solar systems on **2,664** farm ponds for the operation of HEIS.
- Development of **4,106** dug wells for the development of water resources to promote irrigated agriculture.
- Installation of **4,156** 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 **2,432** watercourses carrying water from various sources for enhancing water conveyance efficiency at the farm level.
- Provision of **1,106** 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 **45,502, 112,189**, and **81,676** acres respectively, in the command area of small/mini dams to ensure irrigated agriculture.
- Establishment of demo-cum-training sites at five locations all over Pakistan 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 July 2024 (Punjab)

Intervention	Targets as per PC1	Design						ICR-I							ICR-II						FCR					
		Carry Over 2023-2024	Offered	Approved	Deferred	Balance	Cumulative Progress	Total Targets	Carry Over 2023-2024	Offered	Approved	Deferred	Balance	Cumulative Progress	Total Targets	Offered	Approved	Deferred	Balance	Cumulative Progress	Total Targets	Offered	Approved	Deferred	Balance	Cumulative Progress
Farm Pond	194	53	0	0	0	141	53	194	26	0	0	0	168	26	194	0	0	0	194	0	194	0	0	0	194	0
Solar Pumping System on Farm Ponds	105	31	2	2	0	72	33	105	12	2	2	0	91	14	105	2	2	0	103	2	-	-	-	-	-	-
Dug Well Development	376	124	0	0	0	252	124	376	54	0	0	0	322	54	376	0	0	0	376	0	376	0	0	0	376	0
Solar Pumping System on Dug wells	105	30	0	0	0	75	30	105	24	0	0	0	81	24	105	0	0	0	105	0	-	-	-	-	-	-
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	0	0	0	226	0
Fruit Plants (Ac)	90																				90	0	0	0	90	0
Oil Seeds (Ac)	343																				343	0	0	0	343	0
Fodder/Forage (Ac)	345																				345	0	0	0	345	0

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

Intervention	Total Targets as on 1-7-23	Left Over as on 1-7-24	Offered	Checked	Verified	Deferred	Balance	Cumulative Progress
Farm Pond	169	0	0	0	0	0	0	169
Solar Pumping System on Farm Ponds	64	14	0	0	0	0	14	50
Dug Well Development	190	6	0	0	0	0	6	184
Solar Pumping System on Dug wells	52	3	0	0	0	0	3	49
Water Courses Development	420	3	3	3	3	0	0	420
LASER Land Leveler	276	23	8	8	8	0	15	261
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 July 2024 is annexed as A.

2.2 A Pictorial Display of Field Visits to Punjab

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

2.3 Baluchistan

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

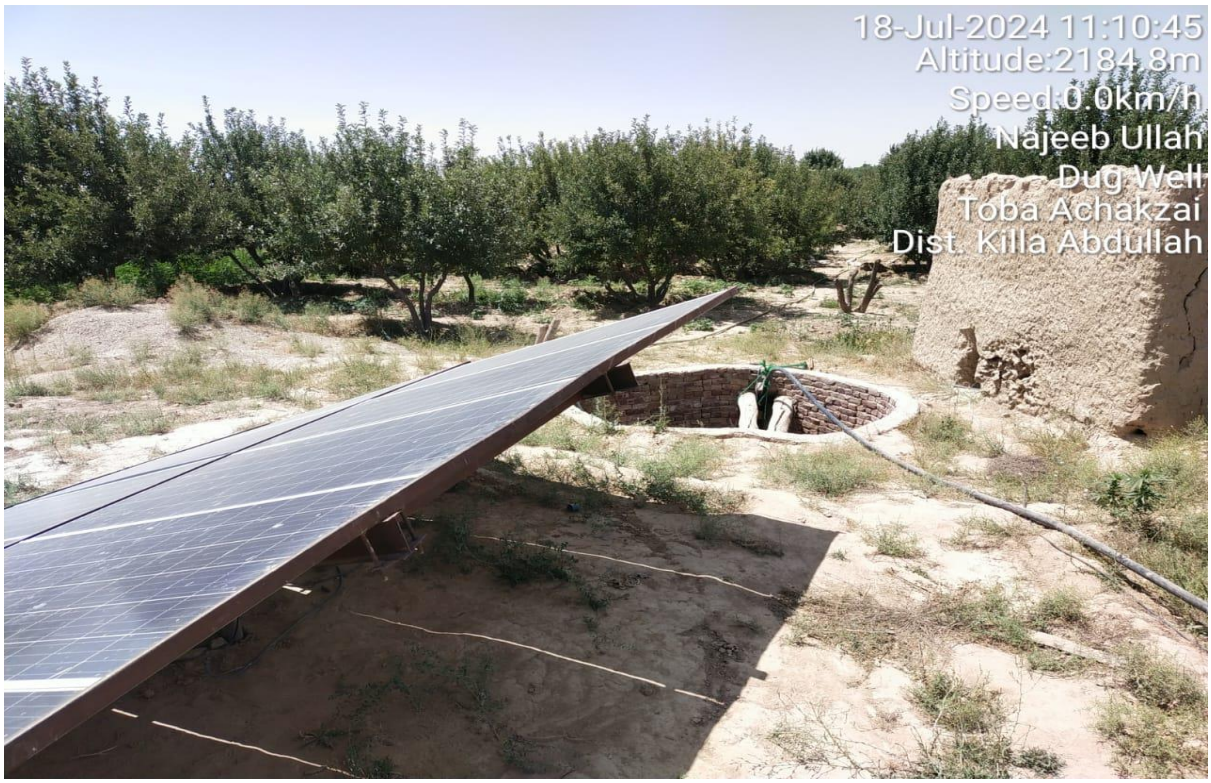
Intervention	Targets as per PC1	Design						ICR-I						ICR-II						FCR					
		R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress	R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress	R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress	R. Targets	Offered	Approved	Deferred	Balance	Cumulative Progress
Farm Pond	93	93				93		93				93		93				93		93				93	
Solar Pumping System on Farm Ponds	93	93				93		93				93		93				93		93				93	
Dug Well Development	186	186				186		186				186		186				186		186				186	
Solar Pumping System on Dug wells	186	186				186		186				186		186				186		186				186	
Fruits/Plants (Acres)	4500	4500				4500		4500				4500		4500				4500		4500				4500	
Oil seeds/pulses (Acres)	9480	9480				9480		9480				9480		9480				9480		9480				9480	
Fodder (Acres)	7500	7500				7500		7500				7500		7500				7500		7500				7500	

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

Interventions	Total Targets as on 1-7-23	Left Over as on 1-7-24	Offered	Checked	Verified	Deferred	Balance	Cumulative Progress
Farm Ponds	399	297	37	37	34	3	263	136
Solar Pumping System on Farm pond	355	271	33	33	32	1	239	116
Rehabilitation/Development of Dug Wells	571	436	39	39	39	0	397	174
Solar Pumping System on Dug Wells	497	394	38	38	38	0	356	141
Water Courses Development	369	253	34	34	33	1	220	149
Fruits/Plants (Acres)	5609	4446	327.5	327.5	327.5	0	4118.5	1490.5
Oil seeds/pulses (Acres)	11829	11015	420	420	420	0	10595	1234
Fodder (Acres)	8927	7282.44	420	420	420	0	6862.44	2064.56

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

2.4 A Pictorial Display of Field Visits to Balochistan


18-Jul-2024 11:10:45
Altitude:2184.8m
Speed:0.0km/h
Najeeb Ullah
Dug Well
Toba Achakzai
Dist. Killa Abdullah


Monday, 15 July 2024
30°18'13.649"N 68°14'24.123"E
Altitude:5688.9ft
Speed:0.3mi/h
Farmar Name
Ejaz -ur-Rehman
intervention Water course
2020-2021

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

2.5 Khyber Pakhtunkhwa

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

Intervention	Targets as per PC1	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	81	2	2	0	79	21	84	2	2	0	82	18	84	2	2	0	82	18	86	4	4	0	82	18
Rough Land Leveling (Ac)	7100	7100																		6383	0	0	0	6383	717
Fruit Plants (Ac)	500	500																		500	0	0	0	500	0
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 July 2024 (KPK)

Intervention	Total Targets As on 1-7-23	Left Over as on 1-7-24	Offered	Checked	Verified	Deferred	Balance	Cumulative Progress
Water Courses Development	165	25	2	2	2	0	23	142
Rough Land Leveling (Ac)	4765.77	648	0	0	0	0	648	4117.77
Fruit Plants (Ac)	915	644	0	0	0	0	644	271
Oil Seeds (Ac)	677	538	0	0	0	0	538	139
Fodder/Forage (Ac)	163	143	0	0	0	0	143	20

The detailed Progress Report for the month of July 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 July 2024

2.7 Azad Jammu and Kashmir

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

Interventions	Targets as per PC1	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	30	30	17	17	0	13	17	30	6	6	0	24	6	30	4	4	0	26	4	30	4	4	0	26	4
Solar pumping on Farm ponds	30	30	14	14	0	16	14	30	14	14	0	16	14	30	14	14	0	16	14	30	12	12	0	18	12
Dug well Development	30	30	32	32	0	-2	32	30	12	12	0	18	12	30	11	11	0	19	11	30	9	9	0	21	9
Solar pumping on Dug wells	30	30	22	22	0	8	22	30	14	14	0	16	14	30	14	14	0	16	14	30	5	5	0	25	5
Water Courses Development	8	8	11	11	0	-3	11	8	11	11	0	-3	11	8	4	4	0	4	4	8	4	4	0	4	4
Fruits/Plants (Ac)	200	0																		200	0	0	0	200	200
Oil seeds (Ac)	525	525																		525	0	0	0	525	525
Fodder (Ac)	400	400																		400	0	0	0	400	400

2.8 The Islamabad Capital Territory

Table 9: Progress against Reverification of Backlog till June 2023, during the month of July 2024 (ICT)

Intervention	Total Targets as on 1-7-23	Leftover as on 1-7-2024	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

2.9 Gilgit Baltistan

Table 10: Progress against the targets for FY 2024-25 during the month of July 2024 (GB)

Intervention	Targets as per PC1	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		33	0	0	0	33		33	0	0	0	33		33	0	0	0	33	
Solar Pumping on Farm Ponds	33	33	0	0	0	33		33	0	0	0	33		33	0	0	0	33		33	0	0	0	33	
Fodder (Ac)	390	390	0	0	0	390		390	0	0	0	390		390	0	0	0	390		390	0	0	0	390	
Fruit/Plants (Ac)	211	211	0	0	0	211		211	0	0	0	211		211	0	0	0	211		211	0	0	0	211	
Hydro Ram Pumps	11	11	0	0	0	11		11	0	0	0	11		11	0	0	0	11		11	0	0	0	11	

Table 11: Progress against Reverification of Backlog till June 2023, during the month of July 2024 (GB)

Intervention	Total Targets as on 1-7-23	Left Over as on 1-7-24	Offered	Checked	Verified	Deferred	Balance	Cumulative Progress
Farm ponds	20	7	2	2	1	1	6	14
Solar Pumping on Farm ponds	20	7	2	2	1	1	6	14
Fodder (Ac)	160	110.9	15	15	4	11	106.9	53.1
Fruit Plants (Ac)	200	140	16	16	4	12	136.0	64
Hydro Ram Pumps	0	0	0	0	0	0	0	0

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

2.10 A Pictorial Display of Field Visit to the Gilgit Baltistan

Figure 4: Field visit of Gilgit Baltistan during the month of July 2024

Table 12: 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	042-35302888
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)	Wali House, Near Board of Revenue Office, Yadgar Chowk, Gilgit	npeca.gb@gmail.com	0342-5475548

3. FINANCIAL PROGRESS REPORT

Table 13: Financial Progress during the month of July 2024

IPC No.	Month	Description	Base Amount	Sales Tax	Total Amount
			Rs.		
Remuneration					
23-A	July-24	National Office	2,500,495	400,079	2,900,574
		AJK + ICT	343,088	54,894	397,982
		GB	424,776	-	424,776
		Punjab	479,234	76,677	555,911
		Balochistan	2,612,228	156,734	2,768,962
		KPK	420,276	8,406	428,682
Sub-total (A)			**6,780,097**	**696,790**	**7,476,887**

Reimbusable					
IPC No.	Month	Description	Base Amount	Sales Tax	Total Amount
			Rs.		
23-B	July-24	Per Diem Allowence	20,000	-	20,000
		Vehicle Rent	1,539,800	-	1,539,800
		Mobil Oil & POL Cost	663,891	-	663,891
		Communication Exp	82,077	-	82,077
		Reports Preparation production and transmission	187,020	-	187,020
		Rental Charges of consultants offices resgidences Utility Office operations & furnishing etc.	849,334	-	849,334
		Salaries of Supporting staff and work charged staff	1,990,062	-	1,990,062
Sub-total (B)			**5,332,184**	**-**	**5,332,184**
Grand Total (A+B)			**12,112,281**	**696,790**	**12,809,071**