



Government of Pakistan
Prime Minister's Office
National Disaster Management Authority

ANNUAL REPORT

2021

STRIVING FOR A DISASTER RESILIENT PAKISTAN

FOREWARD

2021 was yet another eventful year, full of diverse challenges and compounded by COVID-19 pandemic. Preparedness, handling and management of the disasters never paused while COVID-19 pandemic remained far from over. NDMA's support to the health care system by establishing quarantine centres, hospitals ramp up, supply of oxygen, provision of PPEs and establishment of Mass Vaccination Centres continued. The arduous task of procurement and management of COVID-19 vaccines supply system was successfully accomplished by NDMA within six months. This mega effort assisted NCOC in achieving the desired targets of national vaccination.

In the wake of monsoon, restoration of storm water drains in Karachi under Karachi Transformation Plan pursued by NDMA ensured in preventing possible devastation. Incidents of heavy rainfall in AJ&K and GB resulted in landslide and flash floods in Balochistan, caused damages to houses and other infrastructure. Besides relief efforts by PDMA's, NDMA also ensured timely provision of additional relief items to the affected people of these areas.

Proactive response to earthquake affected people of Harnai with 72 hours and immediate mobilization of security forces for the Ghotki train accident bears testimony to the commitment of NDMA in dealing with such eventualities. Shishper Glacier in GB surged and formed a lake, posing serious threat to lives, infrastructure and livelihood, besides undertaking of mitigation measures a long-term solution to deal with such GLOF threats remains an imperative.

Numerous humanitarian assistance activities were undertaken by NDMA through support of UN, KS Relief, National Humanitarian Network and Pakistan Humanitarian Forum, Social awareness campaign on disaster risk reduction continued through parliamentarians' caucus and observance of National Resilience Day. NDMA also imparted training to over four hundred personnel by conducting inland trainings/workshops and conferences. NDMA engaged and actively participated in various international and regional events organized on Disaster Risk Reduction.

I take this opportunity to thank officials of NDMA, all stakeholders and partners for their support towards realization of our shared vision of "Afaat sey Mehfooz Pakistan – Mazboot Pakistan."

SECTION – I

An Overview of Year 2021

1. With the start of 2021, the global pandemic persisted and posed diverse challenges to global health care system and responders. In fight against COVID-19, the new dimension of mass vaccination became critical. To assist national health care system in undertaking mass vaccinations, NDMA was entrusted the responsibility of procurement and managing national vaccine supply system. In this regard, NDMA established a Vaccine Procurement Cell to regulate all aspects of procurement and supply. Through this effort, NDMA assisted NCOC in achieving the desired targets of national vaccination, besides continuing to procure and regulate distribution of medical equipment to assist the health departments across the country.
2. Monsoon was forecasted to remain near normal but there were possibilities of high intensity spells or cloudbursts resulting in urban/ flash flooding. Restoration of storm water drains in Karachi under KTP was pursued by NDMA on emergent basis to ensure comprehensive mitigation measures and prevent possible devastation. Incidents of heavy rainfall were reported from several Districts of AJ&K which resulted in landslides and damage to houses/ infrastructure. In addition to the relief efforts by PDMAs, NDMA also provided relief items to people of the affected areas of Azad Jammu & Kashmir. Tropical Cyclone (TC) was being monitored by NDMA to maintain first-hand information of its developing pattern and possible threat to our coastal areas. Though, none of the coastal areas of Pakistan were directly impacted by the cyclone, yet, indirect impacts were felt in Pakistan's coastal and adjoining areas in the shape of gusts and heavy downpours.
3. The Shishper Glacier had surged and moved towards Hassanabad Village, a lake had been formed by blocking the flow from Manuchahar Glacier, which was a serious threat. NDMA undertook extensive coordination with GBDMA/ DDMA/ Army and local community to ensure that all mitigation measures are in place. It was also ensured that proactive planning for futuristic mitigation measures are in pursued to move towards a long-term solution to such GLOF threats throughout the region.
4. The train accident near Ghotki was caused by a train derailing from its track and colliding with another train coming from opposite direction. NDMA pursued the matter without any request from local or provincial governments and took proactive coordination measures by mobilising the Pakistan Rangers Sind and Pakistan Army. After immediate response a component of Army USAR team from Rawalpindi was moved via special helicopters for assisting the evacuation efforts. Special Helicopter support was also coordinated for evacuation of severely injured to nearby hospitals.

5. Earthquake in District Harnai Balochistan on 7th October 2021 was another reminder of the lurking danger of earthquakes along the fault lines which run across Pakistan. Though the incident was localised in geographically confined area of only 2 x Tehsils, NDMA took proactive measures to extend full support towards DDMA/ PDMA and Frontier Corps (FC), who were immediately engaged in the rescue and relief operations. Within 48 hours of the incident relief goods from NDMA reached the affected people of Harnai and within 72 hours of the incident Chairman NDMA along with Member Operations had reached the site to seek first-hand information and address the grievances of local people.

6. Further earthquakes occurred in Gilgit Baltistan on 27/28 December 2021 which mostly affected Districts Astore and Skardu. No loss of life occurred; however, a number of homes were damaged. GBDMA and NDMA provided relief to the affectees.

NDMA: Organization and Revision of NDM Act 2010

7. **General.** NDMA was established in 2007 as a lead agency to respond to whole spectrum of Disaster Management at Federal level i.e., prevention, preparedness, mitigation, response, recovery and rehabilitation. National Disaster Management Authority (NDMA) is the executive arm of National Disaster Management Commission (NDMC). NDMA acts as an implementing, coordinating and monitoring body as per National Policy.

8. Proposed Amendment in NDM Act 2010

a. NDMA has developed a revised act, addressing all the issues related to effective disaster management of natural disasters, including subsuming of ERRA into NDMA, as directed by the National Disaster Management Commission (NDMC) headed by Prime Minister in its meeting on 28th March 2018 and Federal Cabinet in its meeting held on 18th October, 2018. The purpose of the proposed amendment in NDM Act, 2010 is to reconfigure existing disaster management legislation and make a comprehensive disaster management system to cover entire spectrum of disasters.

b. Accordingly, in 2019, NDMA initiated the process to amend the NDM Act, 2010 in line with the decisions of Federal Cabinet and NDMC. On the directions of CCLC, the case for resolution under Article 144 of the constitution was actively pursued with the provincial governments and after rigorous efforts, the Provincial Assembly of Balochistan has passed the

resolution while NDMA is actively pursuing the resolution for proposed amendment in the NDM Act with the other provincial governments.

- c. In view of the lessons learnt during COVID-19 pandemic, NDMA further amended the draft NDM Act, 2021 by incorporating the relevant provisions to facilitate handling of disaster emergencies at all levels. The proposed amendments in the NDM Act, once passed, will strengthen the institutional structure and further enhance the disaster management preparedness and emergency response measures.

SECTION – II
RESPONSE TO DISASTERS

9. **General.** During year 2021, Pakistan faced multiple natural calamities and NDMA remained at the forefront in proactively responding to the all the challenges as a federal body, addressing whole spectrum of disaster management. The district and provincial bodies and all relevant stakeholders were kept on board through various coordination meetings and consultations. The calamities, their effects and the response measures taken in each case are covered in succeeding paragraphs.

10. **Heavy Rainfall – March 2021.** Heavy rainfall was reported in several Districts of AJ&K (Jhelum Valley, Haveli & Neelum) from 20th–25th March 2021. A landslide on Dhirkot, Khurshidabad and Brarkot roads was also reported. The event resulted in loss of 9 x lives besides injuring 4 x others. A total of 14 x houses and 13 x shops were damaged. SDMA issued tents, blankets, tarpaulins and first aid kits for distribution in affected areas of AJ&K.

11. **Tropical Cyclone “TAUKTAE” – May 2021.** A Tropical Cyclone (TC) ‘Tauktae’ was forecasted to affect the coastal areas of Karachi. On 16th May 2021, the TC was converted into Severe Cyclonic Storm (SCS) with maximum wind speed of 75 knots and was located 1260 km SE of Karachi. On 17th May 2021 SCS converted into Extremely Sever Cyclonic Storm (ESCS) at location having maximum wind speed of 120 knots, located 890 km SE of Karachi. None of the Pakistan coastal areas were directly impacted by the cyclone itself, however, indirect impacts were felt in Karachi, Badin, Thatta, Tharparker in the shape of heat wave like conditions due to persistent suspension of sea breeze, followed by a dust storm (with maximum wind speed of 48 knots, recorded at Masroor Base) with isolated light rain in Karachi city on 17 May 2021. Due to influence of TC, the sea conditions of North Arabian Sea were categorised as ‘rough to very rough’, which forced the fishermen to suspend their activities from 14th – 19th May 2021. 4 x persons were killed and 2 x were injured, besides 7 x roof collapse incidents caused by dust storm/ rain, which hit parts of Karachi. PMD Tropical Cyclone Warning Centre (TCWC), Karachi continuously monitored the TC. 10 x TC alerts were issued, from 12th – 18th May 2021 to all stakeholders along with regular uploading on NDMA’s website.

12. **Shishper Glacier – May 2021.** From the second week of May 2021 temperatures abruptly started to rise throughout GB, which led to rapid opening of natural drainage channels under Shishper Glacier into Hasanabad Nullah. On 15th May 2021, water discharge from the lake began with complete discharge of the lake on 18 May 2021, with a peak discharge of 8,500 cusecs on 18 may 2021. The discharge observed was nearly

double the figure recorded during previous years i.e., 2019 & 2020. Due to proactive efforts of all stakeholders involved, the preparedness measures undertaken were implemented in a timely and streamlined fashion, ensuring that a comprehensive response can be coordinated in case of any eventuality with complete support of the local community.

13. **Train Accident – June 2021**. Two express trains collided between Raiti and Obaro railway stations in District Ghotki on 7th June 2021. The accident took place when a welding joint of the up track broke, causing 12 coaches of the Millat Express crash into six bogies of Sir Syed Express. 62 x people were killed and 110 x got injured as a result of train collision. NDMA coordinated the rescue operation in collaboration with Pakistan Army.

14. **Monsoon 2021**. During Monsoon 2021 (July to September), -9% below normal rainfall was recorded in the whole Country. Summary of casualties and damages are covered in info-graphics (Para 28a). Following significant events were reported during Monsoon 2021: -

- a. GLOF event occurred in Naltar Bala (Gilgit) and Badswat (Ghizer) on 5th and 17th July 2021 respectively. NATCO bus en-route to Gilgit was hit by a landslide on 14th July 2021.
- b. Urban flooding in Abbottabad on 11th July 2021, inundating Ayub Medical Complex and other parts of the city.
- c. Heavy rains occurred in the area of Salkhala Village, District Neelum on 13th July and Landslide at Tehsil Hattian, District Neelum on 20th July 2021.
- d. Rains triggered flash floods in 4 x Valleys in District Diamer on 28th July 2021, causing road blockage at 3 x points, besides damaging Khiner Valley Road. Flash flooding occurred at Hashupi Nullah (Shigar) on 28th July 2021 and damaged 500 KW Headwork Hashupi, Phase-II.
- e. Urban flooding occurred at Sector E-11/2 on 28th July 2021 and caused damages to numerous houses, businesses and vehicles.
- f. Cyclonic Storm 'GULAB' over west-central Bay of Bengal moved westward at a distance of about 2200 km from Karachi on 25th September 2021.

15. **Response Measures**

- a. National Emergency Operation Centre (NEOC) and Army Flood Control Centres (AFCC) remained active for round the clock monitoring of developing situation in the country. Daily SITREPs were shared with all stakeholders.

- b. Weather system, Eastern/ Western Rivers and their tributaries and Reservoirs (Tarbela and Mangla) were continuously monitored.
- c. Timely displacement of heavy earth moving machinery was ensured at key locations for clearance of landslides/ debris especially along National Highways.
- d. NDMA coordinated aviation support from Pak Army for rescue and relief activities in GB.
- e. A total of 23 x landslide events occurred during the season mainly confined to GB and KP. Due to continuous monitoring, timely coordination and a well-integrated response by NDMA, NHA, Pakistan Army, FWO and concerned Provincial/ District Administration, all landslides along important National arteries were cleared promptly.
- f. In order to monitor weather patterns/ significant developments during Monsoon Season, 4 x coordination conferences of all relevant stakeholders (PMD, SUPARCO etc) were organized in NDMA. These meetings assisted in effective decision making and issuance of key instructions to relevant stakeholders.
- g. Relief provided by NDMA/ PDMAs/ SDMA/ GBDMA is at **Annexure-A**.

16. **Harnai Earthquake – October 2021**. An earthquake of 5.9 magnitude at a depth of 15 km occurred on 7th October 2021 near Harnai, Balochistan, which was followed by an aftershock of 4.5 magnitude at a depth of 12 km at 0501 hours in the same area. Tremors were also felt at Quetta, Sibi, Pishin, Muslimbagh, Ziarat, Killa Abdullah, Sanjavi, Zhob and Chaman.

17. **Response Measures**

- a. Chairman NDMA spoke to Governor and Home Minister of Balochistan and assured them of all possible support from Federal Government/ NDMA.
- b. NDMA coordinated with PDMA Balochistan, Pak Army and FC Balochistan for rescue and relief operations.
- c. Special Urban Search and Rescue (USAR) team was airlifted in PAF C-130 for rescue operations in the affected areas. Furthermore, 5 x Army/ FC Medical Teams were deployed in Harnai.
- d. Special helicopter evacuations of 11 x critically injured person to CMH Quetta from Harnai, saved these precious lives.
- e. SUPARCO was asked for provision of satellite imagery for damage assessment.

- f. A team headed by Chairman and Member operations with support staff, reached Harnai on 11th October 2021 for rapid need assessment after earthquake. On request of NDMA, the team was joined by the representatives of UNICEF, UNFPA, and NADRA for providing technical support.
- g. Relief items (food packs, tents, blankets, tarpaulin and mosquito nets) were dispatched from NDMA warehouses in Quetta and Islamabad.

18. **Gilgit Baltistan Earthquake – 27/28 December**. Gilgit-Baltistan was hit by five earthquakes and ten aftershocks between 27 and 28 December 2021. Most affected Districts were Astore and Skardu. Though, there was no loss of life, however, approximately 4,500 houses were affected by the earthquake. GBDMA and NDMA provided immediate relief items including tents, blankets, food packs and other NFIs.

19. **Karachi Transformation Plan (KTP)**. Urban flooding of Karachi during Monsoon 2020 due to unprecedented rains highlighted the need to revamp Karachi's storm water drainage system. As an immediate response measure, de-silting/ cleaning of three major problematic Nullahs (Gujjar Nullah, CBM Nullah & Moachi Goth Nullah) were undertaken by NDMA through FWO. In August 2020, Hon'ble Supreme Court of Pakistan also took notice and directed NDMA to undertake cleaning of Nullahs in Karachi. In September 2020, Federal Government also decided to improve civic amenities in Karachi in consultation with Sindh Government and after an understanding between both the governments, a comprehensive plan "Karachi Transformation Plan (KTP)" was announced by the Prime Minister. KTP (Federal Project) was finalized by MoPD&SI through a Summary, which was approved by ECC and ratified by the Federal Cabinet in December, 2020. Different Committees have been constituted both by Federal and Provincial Government for Coordination and Implementation of all activities, which are: -

- a. Progress Monitoring and Facilitation Committee, Coordination Committee.
- b. Provincial Coordination & Implementation Committee (PCIC).

20. **NDMA's Role**. Restoration/ Revamping of Storm Water Drains in Karachi, one of the components under KTP was assigned to NDMA. The mandate of work includes re-settlement support to Locally Displaced Persons (LDPs), restoration and revamping of 3 x most critical Nullahs (Mehmoodabad, Gujjar & Orangi), development of roads astride cleared/ rehabilitated Nullahs. The Project was started with the conduct of Hydraulic and Hydrological Survey/ Study of Storm Water Drains of Karachi by NED University of Engineering and Technology, Karachi. The Survey/ Study provided

preliminary data (width and depth of cross sections) of Nullahs and suggested 2 Models as under: -

- a. Conservative Model, used in the study distributes the precipitation of 270mm for actual duration of 3 hours based on actual scenario of 2020.
- b. The Liberal Model, suggests a scenario of 270mm rainfall distributed over 12 hours and same model, after thorough deliberation and input from technical experts, was **approved by the Committee**.

21. **Execution of Project**

- a. **Technical Survey**. Based on NED Study, NDMA hired top ranking consultants for conduct of detailed Geo-Technical survey/ investigations, for preparation of detailed engineering designs, for design vetting/ supervision, for conduct of environmental impact study and hiring reputed executing agencies for undertaking civil works according to Engineering Designs. As the project was conceived in the middle of the financial year, therefore, no funds were allotted/ available. However, after extensive efforts of NDMA, preparation of PC-Is in record time and their formal approvals from CDWP, ECC/ Cabinet was done and funding was ensured.
- b. **Execution**. Work on Restoration of Storm Water Drains Projects began with targeted approach to complete the Pilot Project (Mehmoodabad Nullah) in 2021 and other Nullahs (Gujjar and Orangi) before the onset of Monsoon Season 2022. Mehmoodabad Nullah Project was completed and was inaugurated on 18th December 2021. Anti-encroachment drive is being executed by Sindh Government/ KMC, however, affectees are being compensated by NDMA in the shape of Rs 15,000 per month per household for 2 years resettlement support. Restoration of remaining 41 x KMC Nullahs and cleaning of 514 x DMC drains is being undertaken by Sindh Government.
- c. **End State**. Objective of the projects is to provide essential services for disposal of Sewerage & Storm Water and other utilities to develop the Society by improving the living standard of the inhabitants. The Services will certainly improve the socioeconomic condition of the populace besides ensuring better living environment. Success of this projects depends upon different factors including, social responsibilities by the public, no further encroachments, regular maintenances of nullahs in future, sustainable solid waste management plan by Sindh Government/ KMC and timely completion

of restoration/ revamping of remaining small nullahs/ tributaries feeding these bigger nullahs.

22. **Vaccine Procurement Cell (VPC)**. National Coordination Committee (NCC) vide its Minutes dated 23rd April 2021 decided that, ***“In view of heavy workload of M/o National Health Services, Regulation & Coordination, all procurement of COVID Vaccine henceforth shall be undertaken by NDMA under its emergency procurement powers”***. The gigantic task of COVID-19 Vaccine Procurement amidst pandemic was a diverse challenge for which no institution including NDMA had previous format/ set arrangements. A pool of 5x Officers and 4x Clerks were attached by Military Secretary's Branch & PA Dte/ GHQ with NDMA to undertake the vaccine procurement and establish a Vaccine Procurement Cell (VPC). Officers started initial planning to articulate vaccine procurement process through in-house briefings/ various visits to EPI/ MoNHSR&C, NIH and Min of Fin etc. The team of officers/ clerks enabled VPC through multiple engagements with relevant Ministries, AGPR, State Bank, National Bank etc. to better understand procurement procedures, technicalities, contractual legalities and obligations.

23. VPC at NDMA formally started functioning from 26th April 2021, at a stage, when global vaccine environment was too challenging as the vaccine manufacturers were under tight government controls throughout the World. Pakistan being non-producer of COVID-19 vaccines coupled with non-availability of vaccines in the world market faced a daunting challenge of procuring vaccines. All possible sources for vaccine procurement were explored and over 71 Proposals including 31 from Private Sectors were received and scrutinized for appropriate decision by the competent forum. On the other hand, a high target of vaccinating 70 Million eligible population (18 years+) was set by NCOC, which was later increased once age group of 12 to 18 yrs was added thus making the eligible population to 153.6 Million.

24. Initially, the Chinese manufacturers (SinoPharm, SinoVac, CanSino) were engaged followed by Pfizer, Sputnik-V, J&J, Moderna & AstraZeneca for timely deliveries at cost effective rates; however, due to very high demand in the world, securing of contracts became astoundingly difficult. Vaccine manufacturers were reluctant to deliver vaccines in earlier time frame (Q2/ Q3 2021) which could have severe implications on public health and already weak economic condition of the country. VPC carried out constant and repeated engagements with vaccine manufacturers to secure timely contracts for un-interrupted deliveries at best possible rates.

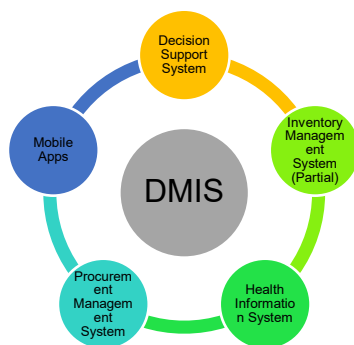
25. Meanwhile, Vaccine Planning Coordination and Implementation Committee headed by Chairman NDMA, Vaccine Technical Committee headed by ED NIH & Vaccine Procurement Committee headed by Member DRR NDMA were established for scrutiny/ vetting of contracts/ supply agreements from every possible dimension. These agreements were also required to be vetted by Ministry of Law and International Dispute Unit before finalization. In all these Committees, VPC remained instrumental for their convening, coordination and implementation of the decisions. By convening periodic Special Cabinet Committee on Vaccine Procurement Meetings (headed by Minister for Planning, Development & Special Initiatives), VPC ensured to get timely decisions for the vaccine procurement. The arduous task of initiation of summaries for allocation of funds by processing it through relevant ministries and then its approval from ECC and the cabinet had been undertaken by dedicating 24/7 efforts.

26. The other important segment after formal approvals was transfer of amount into National Disaster Management Fund (NDMF) which was required to be channelled through Ministry of Finance, AGPR, State Bank & National Bank of Pakistan. Furthermore, approvals of funds from Donor Partners (WB, IsDB, ADB) for timely delivery of vaccines was another colossal task that was undertaken through exhaustive deliberations, seamless coordination with all the stakeholders, entirely by VPC.

27. Due to extreme devotion, unflinching resolve and wholehearted efforts of officers and clerks, VPC executed this multifaceted task of vaccine procurements for 174.68 million Vaccine Doses (enough for 98 Mn population) through 17 x Contracts with various manufactures/ suppliers and freighters. VPC executed procurement process with utmost deliberation and vividness and with efforts/ repeated negotiations. Thus, despite multitudes of constraints, NDMA was able to live up to the assigned task of timely procurement and un-interrupted supply of vaccines. At multiple fora, the efforts of VPC have been recognized and it was also deeply appreciated during the Acknowledgement Ceremony at NCOC held on 10th January 2022.

28. **Development of National Disaster Decision Support System (NDDSS)**. At the start of COVID-19 it was agreed at National Coordination Committee (NCC) meeting that National Information Technology Board (NITB) may develop a comprehensive resource management system for the use at National Command and Operation Centre (NCOC) and NDMA. The system includes all the aspects of COVID-19 and future emergencies. The system named as National Disaster Decision Support System (NDDSS) and comprised of modules including Disaster Management Information System (DMIS), Patient Management System (PMS), Inventory Mgmt. System (IMS), Health Information

System (HMIS), Procurement Management System (PMS), a website and mobile apps etc.



29. The system was/ is being extensively used for collecting all the information related to health including hospitals, beds, vents oxygen, tests with lab facilities and hospitals dedicated for COVID emergency. All these modules and systems have contributed towards handling the COVID emergency efficiently in Pakistan.

30. **Recovery and Rehabilitation Activities**

- a. **Seasonal Livelihood Program**. SLP processes were implemented in remaining four districts i.e. Bajaur, Mastung, North Waziristan and South Waziristan. To rollout of Community Based Participatory Planning (CBPP) - Community Action Plan in district Orakzai, WFP engaged an International Consultant, who delivered Training of Trainers (ToT) and insitu demonstration of CBPP processes for Orakzai district. The ToT and insitu workshop was organized from 8th-12th November, 2021 at Islamabad. During the ToT representatives of district Orakzai, Govt. of KP, NGOs (working in Orakzai district), NDMA and WFP were trained.
- b. 5th Joint Meeting of SLP Steering Committees (SC) and Technical Working Group (TWG) to review SLP Draft Calendars and Reports for Districts Bajaur, South North Waziristan (KP) and Mastung (Balochistan) was held on 23rd December 2021 under the Chairmanship of Member (Ops) NDMA. The 5-days SLP Consultation Workshops, TWG meetings and SLP validation meetings were organized for these districts as per following details: -

District	Consultation Workshops	TWG Meetings	Validation Meetings
South Waziristan	2-6 Mar 2020	16 Mar 2020	28 Oct 2020
Mastung	7-11 Dec 2020	7Jan 2021	27 Sep 2021
Bajaur	4-8 Oct 2021	18 Oct 2021	24 Nov 2021
North Waziristan	1-5Nov 2021	18 Nov 2021	25 Nov 2021

- c. **Pakistan's Humanitarian Assistance to Foreign Countries.** After approval by the Federal Cabinet in the light of Section 6(2) (f) read with Section 23(3) of the NDM Act, 2010, NDMA / Government of Pakistan have despatched different relief / COVID items as humanitarian assistance to Sudan, Iraq, Kyrgyzstan and Italy in the wake of COVID-19 pandemic. Details attached at **Annexure-B**.
- d. **Donations Received from Friendly Countries.** NDMA received national and international donations from donors to fight against COVID-19 and locust in the country. Detail is attached at **Annexure-C**.
- e. **Humanitarian Assistance in Collaboration with KSrelief.** KSrelief in consultation with NDMA distributed different relief items in Punjab, KP, Balochistan and GB as per following details: -
- (1) 26,900 x winter relief kits were distributed in 10 x districts of Balochistan out of which 10,000 x kits distributed in October 2021 earthquake affected areas of District Harnai. Moreover, 2100 x winter relief kits were distributed in district Bakka Khel, TDPs Camp.
 - (2) 9781 x Rice bags distributed in 5 x districts of Punjab and 4538 x rice bags distributed in 4 x districts of KP.
 - (3) 1,000 x food packs distributed amongst the affectees of GLOF and monsoon rains affected communities in 3 x districts of GB.
 - (4) 20,700 x Ramzan Food Packages distributed in 10 x district of Balochistan.
- f. **Applications for Financial Assistance.** 33 x applications of affectees were received for grievances of their losses on account of various disasters / calamities directly by individuals or through Prime Minister's Public Affairs and Grievances Wing, Ministry of Parliamentary Affairs, President Secretariat, MNAs, Senators etc. These were referred to concerned PDMA's for redressal/ necessary action as per NDM Act 2010.
- g. **Maternal, New-born and Child Health (MNCH) Centres.** NDMA planned to establish MNCH Service Centres /Women Child Friendly at the Earthquake affected areas of Tehsil Harnai & Shahrig. These structures will provide health services and support the resilience and well-being of women, adolescent girls and children through community organized activities conducted in a safe, friendly and stimulating environment by providing services ranging from psychosocial support, individual case management,

recreational services, awareness raising sessions on SRH and GBV, health response, referrals and socio-economic support. First pilot project centre is functional at DHQ Hospital, Harnai since 1st December 2021.

31. **Losses/ Damages**

a. **Monsoon 2021**. During Monsoon 2021, following damages/ losses occurred:-

Provinces / Regions	Deaths				Injured				Houses Damaged	
	M	F	C	T	M	F	C	T	P	F
ICT	-	1	1	2	-	-	-	0	0	0
Punjab	40	5	8	53	116	15	15	146	43	11
KP	30	17	42	89	50	27	56	133	113	11
Sindh	3	5	7	15	3	3	1	7	-	150
Balochistan	15	6	3	24	8	-	1	9	357	80
GB	3	2	1	6	-	-	-	0	-	15
AJ&K	4	3	2	9	1	2	1	4	22	34
TOTAL	95	39	64	198	178	47	74	299	535	301

Source: Respective PDMAs and DC Office Islamabad.

Note: M, F, C, T, P & T denotes Male, Female, Child, Total, Partially and Fully.

SECTION – III

DISASTER PREPAREDNESS

32. **Monsoon 2021**. Following activities were undertaken before the onset of Monsoon:-

- a. National Post Monsoon Review Conference-2020 on 21st January 2021, followed by Flood Management Meeting on 2nd April 2021.
- b. National Monsoon Preparedness Conference - 2021 on 22nd June 2021 and issuance of National Monsoon Contingency Response Plan 2021.
- c. Rawal and Simly Dam Management Coordination Meeting on 3rd August 2021, which was followed up by another meeting on 8th September 2021.
- d. National Post Monsoon Review Conference - 2021 on 15th December 2021.
- e. Activation of NEOC for Monsoon Season 2021 from 1st July 2021.
- f. Requirement of Flood Fighting Equipment by Pak Army was met partially by PDMAs, while the balance requirement is being pursued by NDMA.

33. **Tsunami Preparedness Guidelines**. NDMA is working with UNDP on a Government of Japan-funded “Strengthening tsunami and earthquake preparedness in coastal areas of Pakistan” project. The project aims to provide policy support at national and sub-national levels, pilot early warning systems, enhance resilience of coastal communities to coastal hazards, expand livelihoods opportunities. Under the project, the draft Tsunami Preparedness Guidelines are being prepared with the technical support of UNDP and with input of stakeholders. The same is in final stages of completion and is primarily designed to create awareness and understanding of tsunami risk among public managers at all levels of government for assessing tsunami risk and crafting effective preparedness and response.

34. **Pakistan Resilience Partnership (PRP) Activities**. Following activities were conducted during 2021 under PRP: -

- a. **Webinars**. Webinars were conducted on “Resource Mobilization during Emergencies and Information Gathering/ Dissemination in Emergency” to build technical and operation capacity.
- b. **Linking PRP with other Networks**. In order to develop PRP linkage with Prevention from Sexual Exploitation and Abuse (PSEA) Network, a consultative meeting was held with the aim to train PRP partners and other concerned stakeholders on policy development and contextualization related to gender sensitivity and preventing sexual harassment and abuse.

- c. **DRM and School Safety Preparedness Integration in Curricula.** To institutionalize capacity development program within training institutes and to integrate DRM and school safety preparedness into formal education and curricular, advocacy meeting with AJ&K Education Department was held. The aim of meeting was to sensitize the stakeholders on importance of integrating DRM into the school curriculum and its likely benefits.
 - d. **IEC Material and Media Booklet.** Awareness messages for placing on the products by the corporate sector were developed and handed over to FPCCI. These will contribute in enhancing learning and knowledge of Pakistani community about preparedness, response and recovery. NDMA brochures by the name “Disaster Resilient Pakistan” were also printed for dissemination during various activities.
 - e. **Case Studies.** Local organizations were encouraged to develop the case studies based on their experience of COVID response. Case studies under the theme “localized actions for social behaviour change in COVID 19” were developed by local NGOs.
35. **Logistics Update.** Major achievements during the year 2021 were: -
- a. NDMA was entrusted by Federal Government to procure and provide Covid-19 related PPEs, Bio-medical equipment and injections/ medicines to Provinces and Federating units for fighting against Covid-19. The items issued during the year 2021 are placed at **Annexure-D & E.**
 - b. List of relief Items issued during different disasters/emergencies during the year 2021 placed at **Annexure-F.**
 - c. During 2021, all stores data was uploaded on NITB developed NDDSS.
 - d. Enhancement of security arrangements was done by installing fence and security lights at NDMA’s H-11 Warehouse.
 - e. Enhancement of storage capacity was done by installing 3x Rub Halls in collaboration with WFP at NDMA’s H-11 Warehouse.
 - f. Installation of 1x generator at NDMA’s H-11 Warehouse for provision of electricity.
36. **Advocacy and Awareness**
- a. **Workshop for Safe Back to School (SBS) Guidelines.** To ensure safety and protection standards in Pakistan's schools during COVID-19, the Safe Back to School (SBS) Guidelines were developed and contextualized by NDMA in collaboration with ‘Save the Children.’ These guidelines will facilitate the government in preparing the schools, learning sites, and school

communities to minimize the risk of transmission of COVID-19. A National level consultative workshop for two days (March 3-4, 2021) was organized by NDMA to discuss the Safe Back to School Guidelines' draft set, bringing together technical experts and representatives from key departments (both private and public), including PDMA, Authorities from Sindh, Baluchistan, Punjab and KPK, Punjab Education Foundation, School Education and Literacy Department, Rescue 1122, Pakistan Girl Guides Association (PGGA), Pakistan Boy Scouts Association (PBSA), UNICEF, Islamic Relief, IRC, OXFAM and HOPE-87. This diverse group of experts added value to the Safe Back to School Draft Guideline with their expert recommendations based on experiences and expertise.

- b. **Revival of Parliamentarians Caucus on DRM.** In 2018, a “Parliamentarians’ Caucus on DRM,” was established across party lines from the two Houses of the Parliament and Provincial Assemblies. However, due to COVID-19 further progress could not be made in this regard. Meanwhile a Toolkit for Parliamentarians was developed to facilitate the elected representatives in technically playing an effective role in DRM. NDMA organized an event on ‘Revival of Caucus’ on the 28th of October 2021 at Islamabad, which was jointly planned by NDMA with Ministry of Climate Change and Food Security and Research. The event was attended by 73 people including 3 ministers, 4 senators, 11 MNAs, 14 MPAs, 4 DGs and 11 observers along with NDMA, ERRA and IRC staff. Tool kits and give away folders were handed over to the participants.

SECTION – IV
DISASTER RISK REDUCTION

37. **Session of Governing Council of APDIM**. Iran hosted the 5th Session of Governing Council of Asia and Pacific Centre for Development of Disaster Information Management (APDIM). During the Session, APDIM Governing Council unanimously elected the Islamic Republic of Iran as the Chair and Republic of Turkey as Vice Chair. Chairman NDMA along-with Member (DRR) and Director (Implementation) represented Pakistan in the meeting. After detailed discussions and presentations on various matters and adoption of agenda points, the session was concluded with a vote of thanks.

38. **Meetings of Strategic Coordination Forum – DM (SCF-DM)**. SCF-DM was established by NDMA and UN to oversee disaster management activities/interventions, which is co-chaired by Chairman NDMA and UN Resident Coordinator. In a disaster situation, this forum is transformed into a joint decision-making body. 10th meeting of the forum was held on 3rd June 2021. In this meeting discussion on Monsoon preparedness and areas of support from UN agencies took place along with orientation of Humanitarian Response Plan (HRP) by UNOCHA.

39. **Commemoration of National Resilience Day 2021**. In order to commemorate the victims of 2005 earthquake, Government of Pakistan has notified 8th October as the National Resilience Day. The objective of National Resilience Day is to commemorate the loss of disaster affectees as well as raise awareness amongst masses for preparedness against disasters. NDMA decided to observe the National Resilience Day 2021 through week-long activities to raise public awareness as following: -

- a. **National Resilience Day Seminar - “Towards a Disaster Resilient Pakistan”**. NDMA organized the seminar on 7 October 21 in Islamabad to commemorate the loss of human lives in disasters as well as enhance the awareness amongst the masses for disaster resilience. The seminar comprised of three major sessions: ‘Climate Change and Disasters’, ‘Disaster Management: A Collective Responsibility’ and ‘COVID-19 Pandemic – A Challenge’. Each session included eminent speakers from respective fields, who shared their experiences and ideas on making Pakistan a resilient country. The Seminar was attended by more than 250 participants from government departments, development partners and academia, who appreciated the opportunity provided by NDMA to offer a platform for leading national experts to share their experiences and views on enhancing disaster resilience of the country.

- b. **Basic First Aid Training in schools of ICT.** NDMA in collaboration with Federal Directorate of Education (FDE) and Rescue-1122 Punjab conducted Basic First Aid Training in 42 designated schools of Islamabad from 4th October to 13th October, 2021. Six combined teams of Rescue-1122 and NDMA officers were constituted, who successfully conducted training in 42 schools, disseminating critical basic first-aid training to school children and teachers.
- c. **Public Awareness Campaign through City Branding.** To enhance public awareness on disaster resilience and COVID-19, NDMA executed a public awareness campaign in the twin cities (Islamabad and Rawalpindi) by disseminating crucial public service messages at key locations. The activity included displaying streamers along the selected roads, bridge panels, hoardings and billboards at selected locations and placement of standees in selected public places with the aim to ensure maximum awareness.
- d. **Fruit Tree Plantation Campaign.** NDMA executed a Tree Plantation Drive in designated federal schools. Total 260 fruit trees (Apricot, Plum, Peach and Loquat) with height more than 6 feet were planted in schools. Moreover, a set of Climate Change Adaptation (CCA) Toolkit and Pakistan School Safety Framework (PSSF) was presented to the Headmistress/ Principal of the institutions.

40. **International Regional Earthquake Response Exercise (IERE) – 24-26 November 2021.** NDMA coordinated with International Search and Rescue Advisory Group (INSARAG) Asia Pacific Regional International Earthquake Response Exercise (IERE), which was held remotely and hosted by China. On NDMA's request, the Punjab Emergency Service Department (Rescue 1122), Lahore facilitated this exercise at the Emergency Services Academy, Lahore. Participants from NDMA, all PDMA's and USAR Team Leaders/ Deputy Team Leaders/ OC of MCI & KMC attended this exercise. The international participants in this tabletop simulation exercise were represented by skeleton teams from international Urban Search and Rescue (USAR) and Emergency Medical Teams (EMTs). To streamline the cooperation and activities with INSARAG and as per requirements of INSARAG Secretariat, Member (DRR) and Director (Implementation) NDMA were nominated as National Focal Points (Policy) and National Focal Points (Operational) respectively for INSARAG.

41. **Sendai Framework for DRR, Monitoring & Reporting Cell at NDMA.** Every member state of SFDRR process is obliged to monitor and report progress against the indicators for measuring the global targets of the Sendai Framework and DRR related

indicators of the SDGs, using the online Sendai Framework Monitor. NDMA has undertaken inventory of existing SFDRR progress reporting data available, identified required information to collect and update UNDRR on the progress through SFDRR Monitor and Ministry of Foreign Affairs' Geneva Mission in September 2021. Further, to streamline monitoring & reporting process, nominations of SFDRR focal points from relevant stakeholders at the federal and provincial level have been appointed on NDMA's request. Key activities of the Cell in 2021 are: -

- a. NDMA, with the support of respective provincial / regional disaster management authorities and UNDP, has successfully organized 6x provincial consultation sessions on SFDRR reporting and monitoring. The sessions were attended by participants from relevant provincial government departments including disaster management authorities, planning & development, finance, emergency services, agriculture, livestock, and irrigation departments. During the course of these sessions, participants were informed of the SFDRR monitoring and reporting process and data required for fulfilling national obligations besides apprising about SFDRR Monitor, an online tool developed by UNDRR for states to report progress against SFDRR targets.
- b. UNDRR Regional Office shared a zero draft of the regional Asia-Pacific Action Plan 2021-2024 for feedback from Pakistan. The draft Plan was circulated to key stakeholders and NDMA comments were shared with the UNDRR in an online consultation session for the SAARC Region in July, 2021. Moreover, NDMA also shared a consolidated national response to UNDRR on the revised draft for incorporating in the final version of the AP Action Plan 2021-2024. The final Plan was officially launched in December, 2021 during the meeting of Asia-Pacific Partnership on DRR Forum.

42. **Enhancement of PMD Weather Forecasting Capabilities**. In order to enhance the capacity and weather forecasting capabilities of Pakistan Meteorological Department (PMD), yearly license subscription is paid by NDMA for last 4 years and in 2021 again NDMA paid the license renewal for efficient weather forecasting.

43. **National Institute of Disaster Management (NIDM) Activities**. NIDM was successfully supported in implementation of its activities as per the work plan and during 2021, 19 x trainings were conducted in which 432 x individuals from government, academia, media and humanitarian sectors were trained.

44. **JICA's Project on Capacity Development of Disaster Management Institutions in Pakistan**. NDMA with technical assistance of JICA initiated revision of the National Disaster Management Plan (NDMP). The purpose of the project is to revise the complete NDMP in line with national priorities and international obligations. The project is expected to be initiated in 2022 and includes strengthening NDMA's capabilities for information collection and analysis of variety of natural hazards and disasters such as rainfall, inundation, seismic data, etc. Moreover, it covers basic strategy of DRR and its effectiveness based on the results of the risk assessment.
45. **Disinfection Operations Carried Out by NDMA**. From the time emergency was declared consequent to COVID-19 Pandemic, NDMA undertook disinfection operations of public buildings including Supreme Court, Presidency, Prime Minister House/ Office of the Pakistan, Federal Ministries, General Headquarters, major Airports, Railway Stations and VVIP strategic assets of Pakistan. Moreover, area sanitization of different areas of Islamabad was also conducted.
46. **Annual Work Plan of NDMA**. The Annual work-plan of NDMA was prepared, covering the activities planned for the entire next year as per defined timeline.
47. **NDMA Participation in Key International Forum**
- a. South Asian Regional Consultation Meeting on draft Asia-Pacific Action Plan on SFDRR Implementation, on 15th July 2021.
 - b. 7th Session of Committee on DRR on 25th August 2021.
 - c. An online meeting was held on 15th December 2021 between different stakeholders, on WFP Country Strategy Plan (CSP) for 2023-2027
 - d. An online meeting was held between Chairman NDMA and Director, Regional Office for Asia and the Pacific (ROAP), UNDRR, on 7 Dec 2021.
 - e. A two-day online Asia-Pacific Partnership for DRR (App-DRR) Forum was organized by the UNDRR with Government of Australia, being the host of next Asia-Pacific Ministerial Conference on DRR (APMCDRR) planned in 2022, as the co-host of the event. On the opening day, Asia-Pacific Action Plan (2021 – 2024) for implementation of SFDRR in the region was officially launched. The Action Plan is developed by the UNDRR Asia-Pacific Regional Office, through extensive consultations with member states and stakeholders.

SECTION – V

REGIONAL AND BILATERAL COOPERATION

48. Existing Bilateral Linkages

Ser	Country	Executing Agency	Title of Instrument	Remarks
a.	Azerbaijan	Ministry of Emergency Situations, Government of the Republic of Azerbaijan	Agreement in the cooperation in the areas of Prevention, limitation and Mitigation of Emergency Consequences	Signed on 14 th January, 2021
b.	Tajikistan	The Committee of Emergency Situations and Civil Defence	Agreement in the field of Prevention and Liquidation of Emergency Situations	Signed on 2 nd June, 2021

49. Bilateral Linkages in Process

Ser	Country	Executing Agency	Title of Instrument	Progress
1.	Afghanistan	Afghan National Disaster Management Authorities (ANDMA)	MoU on Cooperation in the field of Disaster Management	MoU is under negotiation between both Countries. Afghanistan has been requested to provide the final draft of MoU. After agreement on text of MoU, it will be finalized.
2.	Belarus	Ministry of Emergency Situations of the Republic of Belarus	Agreement on cooperation in the field of Prevention and Elimination of Emergencies	MoU has been circulated amongst relevant Ministries/ Departments for Views/Comments
4.	China	Ministry of Emergency Management of China	MoU for Cooperation on Disaster Risk Reduction and Emergency Response	MoU has been finalized from Pakistan side and will be shared with China for final concurrence
5.	Hungary	National Directorate General for Disaster Management, Ministry of Interior, Hungary	MoU on Cooperation in the field of Civil Emergencies	Finalized MoU from Pakistan side has been shared with Hungary for final concurrence

6.	Saudi Arabia	King Salman Humanitarian Aid and Relief Center (KSHARC), Saudi Arabia	MoU on Cooperation in the field of Disaster Management	After seeking consultation with all stakeholders, the revised draft of the MoU has been shared with Saudi Arabia for concurrence
7.	Switzerland	Swiss Agency for Development and Cooperation	MoU – Cooperation in the field of Disaster Management	Swiss version of the MoU has been circulated amongst stakeholders for obtaining their inputs.
8.	Kuwait Fire Force (KFF)		MoU on Cooperation between NDMA Pakistan and Kuwait Fire Force (KFF), Kuwait	MoU is under negotiation between both countries. After agreement on text of MoU, it will be finalized

50. **International Conferences and Seminars**

- a. **Midterm Virtual Meeting of the ECO Regional Planning Council.**
Midterm Virtual Meeting of the ECO Regional Planning Council was held on 28th July, 2021. NDMA agreed with ECO Regional Planning Council with regards to member states working in close collaboration to achieve human development objectives set by ECO vision 2025.
- b. **8th Virtual Ministerial Conference on Disaster Risk Reduction in Ankara.** Turkey hosted the 8th Ministerial Conference on DRR on March 17, 2021. ECO Regional framework for Disaster Risk Reduction (ECO-RFDRR) and its roadmap were approved during the conference. Chairman and Member (DRR) of NDMA attended the Regional Planning Council (RPC) virtual meeting.
- c. **2nd Meeting of ADPC Board of Trustees (BOT) Meeting.** 2nd Meeting of ADPC Board of Trustees (BOT) was held in a mixed modality format with in-person meeting for members in Bangkok and with other members via online connections from their home countries. Member DRR and Deputy Director (P&IC) participated in the meeting. The Chairmanship was transferred from Thailand to Bangladesh and Sri Lanka. Board has approved the amendments in Rules and added that the Chair of the BOT designated the Executive Director to sign all types of Documents. BOT approved ADPC

Manuals and it clarified that for any agreement that exceed US\$3 million, the Executive Director would seek approval from the Board which may delegate the signing to the Executive Director. BOT also approved new salary structure in principle but opined to minimize the gap of the salary scale between positions. BOT approved the TOR with the amendment from Thailand. Board approved KPMG as external auditor for ADPC for 3 years (2021-2023). The 16th Regional Consultative Committee will be hosted by South Korea.

- d. **2nd Asian Preparedness Partnership (APP)**. A Regional Technical Working Group (RTWG) on nexus between – Emergency Operations Centres (EOC), Early Warning Systems (EWS) and Risk Analytics (RA) was conducted under APP meeting. This meeting was held virtually on 9th June, 2021, and was attended by the representatives of Bangladesh, Cambodia, Myanmar, Nepal, Philippines, Sri Lanka, Thailand and Pakistan. Member DRR delivered presentation on the case study. ADPC also presented result of Google survey on different questions. Mr. Abdul Latif Khan, Consultant from Bangladesh presented a Case study on Risk Analysis, Early Warning and Emergency Operation Centre.
- e. **3rd Meeting of Regional Technical Working Group (RTWG)**. The 3rd Meeting on Nexus between – Emergency Operations Centres (EOC), Early Warning Systems (EWS) and Risk Analytics (RA) was held virtually on 8th September, 2021 provided opportunity for the members to renew the dialogue and share good practices, capacity building activities and existing relevant guidelines/ SOPs in building the nexus between RA, EWS and EOCs in the countries. Deputy Director NDMA shared a presentation on Capacity Building Issues.
- f. **16th Meeting of the Regional Consultative Committee (RCC)**. The meeting of RCC was concluded on 1st October 2021 with an emphasis on accelerating the implementation of global disaster and climate frameworks through the financing and regional cooperation on resilient development by the Asian Disaster Preparedness Centre (ADPC) and the Republic of Korea's Ministry of the Interior and Safety (MOIS). After two days of thoughtful dialogue on a range of topics, such as creating an enabling environment for financing resilient development and growth, as well as promoting innovation, inclusion, localization, and promoting regional

cooperation, the 16th RCC meeting issued the Sejong Statement on DRR and climate resilience on behalf of over 200 participants. The Sejong Statement calls upon the parties to support in the implementation of global frameworks, enhance climate and disaster risk finance and investments mechanisms by assessing and managing their exposure to damages and losses and using the existing and new technologies, and promote the development, strengthening, and sharing of good practices on risk transfer, insurance mechanisms, and instruments, risk-sharing, and retention. National Disaster Management Organizations from 16 RCC member countries, which include Bangladesh, Bhutan, Cambodia, China, India, Lao PDR, Maldives, Mongolia, Nepal, Pakistan, Philippines, Republic of Korea, Sri Lanka, Thailand, Timor-Leste, and Vietnam and over 60 observer organizations from UN Agencies, development partners, civil society, NGOs, academia, and research institutes participated in the two-day event.

SECTION – VI
CAPACITY BUILDING

51. **Inland Trainings/ Workshops/ Conferences.** NDMA sent officers to attend and conduct inland Trainings/ Workshops/ Conferences as following: -

- a. **Inland Government Officials Capacity Building Training.** Following trainings, workshops and seminars were conducted by NIDM:-

Course/ Training	Location	Date	Participants		
			M	F	Total
Multisector Initial Rapid Assessment (MIRA)	Sangarh	9-10 March 2021	19	3	22
Multisector Initial Rapid Assessment (MIRA)	Mirpur Khas	11-12 March 2021	18	6	24
Multisector Initial Rapid Assessment (MIRA)	Umerkot	15-16 March 2021	24	2	26
DRR, CCA and Early Recovery Need Assessment (ERNA)	Chitral	7-8 April 2021	16	7	23
Multisector Initial Rapid Assessment (MIRA)	Dadu	31 May- 1 June 2021	15	0	15
Multisector Initial Rapid Assessment (MIRA)	Ghotki	3-4 June 2021	16	0	16
Basic Course on DRR	Islamabad	30 Aug - 2 Sep 2021	5	0	5
DRR, CCA and Early Recovery Need Assessment (ERNA))	Rajanpur	6-7 Sept 2021	23	0	23
DRR, CCA and Early Recovery Need Assessment (ERNA)	Jhang	6-7 Sept 2021	26	4	30
Training of Trainers	Islamabad	7-22 Sep 2021	6	1	7
DRR, CCA and Early Recovery Need Assessment (ERNA)	Muzaffargarh	9-10 Sept 2021	23	6	29
DRR, CCA and Early Recovery Need Assessment (ERNA)	D.I Khan	9-10 Sept 2021	13	8	21
DRM - Learning from Japan	Online (Japan)	04-06 Oct 2021	16	1	17
Top Management Course on DRR	Islamabad	14-Oct-21	12	1	13
Basic Course on DRR	Islamabad	25-28 Oct 2021	23	2	25
Early Recovery Need Assessment (ERNA)	Gilgit	2-3 Nov 2021	19	15	34
Disaster Response Planning Training and	Tharparkar	9-11 Nov 2021	32	3	35

Simulation Exercise (SIMEX)					
Disaster Response Planning Training and Simulation Exercise (SIMEX)	Badin	9-11 Nov 2021	17	7	24
Early Recovery Need Assessment (ERNA)	Muzaffarabad	27-28 Dec 2021	27	13	40
Total			350	79	429

- b. **Training Workshop on Coordination GBV & SRH, Muzaffarabad, AJ&K.**
To ensure effective coordination and referral mechanism established at District and central level, NDMA hosted 3 x days training workshop for the Govt. officers of AJ&K and project staff of Mirpur Women Friendly Health Spaces from 27 to 29 October, 2020. The training workshop attended by the representatives from Health, Education, Police, Social Welfare, Population Welfare and District Administration departments of AJ&K.
- c. **Mental Health and Psycho-Social Support (MHPSS) Training for the Healthcare Providers.** NDMA in collaboration with Save the Children conducted two days training during 10-13 April, 2021 in Karachi for healthcare providers with the objectives to build capacity of Healthcare providers/practitioners about emerging mental health issues in the context of COVID-19 and orient healthcare providers about the Minimum Initial Service Package (MISP). This training brought together representatives of PDMA Sindh, District Health Office and many healthcare providers, including, gynaecologist, medical officers.
- d. **Emergency Preparedness and Response Trainings.** NDMA organized two Emergency Preparedness and Response (EPR) trainings to enhance the effectiveness of the humanitarian system to prepare, mitigate and respond to disaster events in three different provinces i.e. Sindh (Karachi, 6-7 July), Punjab (Lahore, 14-15 July) and Balochistan (30th August-1st September). Participants of the workshop were provincial and district level disaster management practitioners, members of national agencies working in the disasters, staff of relevant line departments, districts and tehsil administration staff (mainly responsible to carry out the relief, recovery and response work at the affected areas) at the province.
- e. **Trainings on Understanding and Adaptation Protection/ GBV Prevention and Response Tools in Emergencies.** NDMA in collaboration

with UNFPA and IRC, conducted 3 days trainings on “Understanding and adaptation Protection/ GBV Prevention and Response Tools in Emergencies” in three different provinces i.e. Sindh (Karachi, 7-9 July), KP (Peshawar, 4-6 August) and Balochistan (1-3 September). The main objectives of this training was to enhance knowledge and skills in disaster preparedness and contingency planning, understand gender based violence in emergencies and contextualization and launching of SoPs for GBV Prevention and Response in Emergencies.

- f. **Orientation Workshop for the Staff of Women and Child Friendly Centre Harnai.** In order to train and orientate the project staff of Women and Child Friendly Centre Harnai, NDMA organized a 2 x days orientation workshop from 22-23 December, 2021 at PDMA, Balochistan. The main objectives were to develop understanding on basics concept of Women & Child Friendly Centre and to orientate staff on basics concepts of SRH, Gender Based Violence, Child protection & Issues, Referral Pathways, Mapping of Services and Community Mobilization.

CONSOLIDATED STATE OF RELIEF PROVIDED DURING MONSOON 2021

Items	NDMA	PDMA						Total
		Punjab	Sindh	KP	BIn	GB	SDMA	
Tents	100	378	500	1,209	1,785	400	155	4,527
Quilts	50	-	-	710	300	10	80	1,150
Plastic Mats		300		910	1,470	212	285	3,177
Kitchen Set	200	-	-	745	1,570	4	55	2,574
Blanket		-	-	896	-	130	50	1,076
Gas cylinder		-	-	24	206	-	-	230
Hygiene Kit	200	-		382	900	84		1,566
Mattress		-		628		134	70	832
M/ Net		-	500	428				928
Tarpaulins	400	-		462		215		1,077
Solar Light		-	-	68	1870	-	-	1,870
S/ bags	50	-	-	-	-	33	190	273
Food Packs	500	-	-	65	-		35	600

GOVERNMENT OF PAKISTAN HUMANITARIAN ASSISTANCE TO FOREIGN COUNTRIES

Country Name	Items	Quantity
Sudan	tents	320
Iraq	(50,000 x PPEs Kits consisting on following items)	
	KN-95 Mask	50,000
	Face Mask	250,000
	Gown 50 gsm	46,500
	Protective Suit (80 gsm)	15,000
	Goggles	50,000
	Face Shield	50,000
Kyrgyzstan	N95-Mask	5,000
	Tyvek Suits	5,000
	Face Shield	5,000
Afghanistan	ICU Vent	15
	BIPAP	50
	Digital X-ray	10
	Oxygen Concentrator	10
	Oxygen Cylinders 240 cft	500
	Pulse Oximeter	100
	Nasal Cannula	100
	KN95	25,000
	GSM 80 Suits	10,000
	Goggles	5,000
	Thermal Guns	500
Italy	N-95	50,000
	Face Mask	150,000
	Protective Suit (60 GSM)	47,024
	Protective Suit (80 GSM)	2,976
Kazakhstan	N95-Mask	5,000
	Tyvek Suits	5,000
	Face Shield	5,000
The State of Palestine	Ventilators	25
	BIPAPs	100
	Face Masks	100,000
	Protective Suits	10,000

DETAILS OF FOREIGN DONATION COVID-19

Country Name	Details of Donation	Quantity
China	Face Masks (FFP2)	1,000,000
China	Portable oxygen concentrators	200
Canada	Baylis Portable ventilators	162
	Consumables (3 sets per unit)	486
Singapore	Surgical Masks	650,000
Turkey	Equipment & Machinery for combating Locust Pakistan infestation vehicle for fitting/mounting on ULV prayers	5
	vehicles of fitting/mounting of ULV sprayers	5
	ULV Pesticide (Malathion 96%)	15,000 ltrs
Saudi Arabia	Surgical Sterile Gown	25,000
	Non- Surgical Sterile Gown	125,000
	Mask KN-95	188,000
	Surgical Masks	1,925,000
	Surgical Gloves	475,000
	ICU Ventilators	46
	Oxygen Generation Plant	18
China	Mask GB – 2626	71,000
	Mask GB – 19083	20,000
	Mask N-95	9,000
China	Medical Surgical Mask	100,000
Korea	Medical Oxygen Supply System (Oxygen Generator)	10
	Multi-Purpose Ventilators	5
	Covid-19 IgM/IgG Plus Test Kits	2,000
M/s Human Appeal	Hand Sanitizer (296 ml 24 pack)	240/ 5,760 units
	Hand Sanitizer (60 ml 48 pack)	238/ 11,424 units
	Hand Sanitizer (500 ml 12 pack)	600/ 7,200 units
	Hand Sanitizer (236 ml 24 pack)	672/ 16,128 units

PPEs ISSUED TO PROVINCES IN 2021

Items	Punjab	Sindh	KP	BIn	GB	AJK	Total
Protective Suits	45,000	45,000	20,187	-	11,000	-	121,187
Gowns	80,000	70,000	65,000	38,000	42,000	44,000	339,000
Face Masks	400,000	1,100,000	300,900	417,255	325,000	100,000	2,643,155
N-95 Mask with Filter	-	1,000	-	-	100	-	1,100
KN-95 with Filter	-	1,305	-	1,305	-	-	2,610
Mask KF-95	60,000	-	60,000	-	40,000	40,000	200,000
Mask GB-19083	11,000	-	8,000	-	-	3,000	22,000
Mask GB-2626	25,000	-	20,000	-	-	15,000	60,000
Face Shield	9,000	9,000	8,000	3,500	3,500	3,500	36,500
Goggles	200	200	150	125	125	125	925
ICU Shoes	150	150	100	-	50	50	500
Gum Boot	-	-	-	-	2,000	-	2,000
Gloves	50,088	69,615	15,749	12,012	4,078	1,631	153,173
Surgical Caps	6,000	6,000	4,000	2,500	1,500	1,500	21,500
PPE Kit (Box)	2,000	-	1,500	-	1,000	500	5,000

**ICU/ PORTABLE VENTILATORS, BIPAP, ELECTROMEDICAL EQUIPMENT, TESTING
KITS & VTMs /SWABs ISSUED IN 2021**

Items	Distribution								
	Punjab	Sindh	KP	BIn	GB	AJ&K	NIH	ICT Hospitals	IH&ITC, Armed Forces / Govt Depts
ICU Ventilators	309	163	130	10	15	12	0	8	45
Bi PAP	150	550	350	0	45	20	0	30	150
PCR Testing Kits	562436	352532	187276	62496	76606	109896	216026	0	552
Nucleic Acid Extraction (Manual)	0	0	0	0	0	0	2,320	0	2,400
Auto Extraction Reactions	362,432	547,424	197,264	62,400	64,960	109,848	319,400	4,992	0
VTMs / SWABs	367476	552624	182452	62500	74976	130000	102268	2244	129226
Auto Extraction Machine	7	2	2	1	2	4	3	0	0
Tube Magnetic Separation Rack	20	10	0	0	0	0	0	0	0

CONSOLIDATED STATE OF RELIEF PROVIDED DURING 2021

Items	Balochistan	GB	Total
Tents	4,350	100	5,953
Winterized Tents	-	50	50
Shelter Tent 5 pcs	104	-	104
Blankets	7,250	-	7,250
Quilts	105	-	105
Hygiene Kit	3,000	-	3,000
Mosquito Net	750	-	750
Tarpaulins	150	400	550
Generator Set 3.5 KVA	-	10	10
Sleeping Bags	1,000	50	1,000
Kitchen Set	-	200	200
Hygiene Kit	-	200	200
Quilts	-	50	50
Food Hamper	-	500	500



National Resilience Day Seminar on the theme of “Towards a Disaster Resilient Pakistan”



Basic First Aid Training in designated schools of ICT – 4th - 13th Oct 2021



Public awareness campaign through city branding – 8th Oct 2021