Dated: 24 September 2020

Subject: NDMA Monsoon 2020 Daily Situation Report No 091

NDMA Monsoon 2020 Daily Situation Report No 091 covering period from 23 September 2020 1300 hours to 24 September 2020 1300 hours is enclosed for information / necessary action, please.

To: Secretary to Prime Minister, Prime Minister’s Office, Islamabad
   Military Secretary to Prime Minister, Prime Minister’s House, Islamabad

Cc: Director General, Pakistan Meteorological Department, Islamabad
    Director General, Frontier Works Organization, Rawalpindi
    Chairman, Federal Flood Commission, Islamabad
    Chairman, National Highway Authority, Islamabad
    Joint Commissioner, Pakistan Commission for Indus Water, Islamabad
    Chief Meteorologist, Flood Forecasting Division, Lahore
    Chief Engineer, Tarbela Dam
    Chief Engineer, Mangla Dam
    Director General, NHEPRN, Islamabad
    Director General, PDMA Balochistan, Quetta
    Director General, PDMA Khyber Pakhtunkhwa, Peshawar
    Director General, PDMA Punjab, Lahore
    Director General, PDMA Sindh, Karachi
    Director General, SDMA AJ&K, Muzaffarabad
    Director General, GBDMA, Gilgit
    Joint Crisis Management Cell, Joint Staff Headquarters, Rawalpindi
    Military Operation Directorate (MO-4), GHQ, Rawalpindi
    Arms Branch, Engineers Directorate, GHQ, Rawalpindi
    Director (SOF & Marines), Naval Headquarters, Islamabad
    Director (Ops), Air Headquarters, Islamabad
    Deputy Commissioner, Islamabad

ID: APS to Member (Ops), NDMA
    APS to Member (A&F), NDMA
    APS to Member (DRR), NDMA
    Director (Logistics), NDMA
    Director (R&R), NDMA
    Director (Implementation), NDMA
    Director (P&IC), NDMA
    Director (Admin), NDMA
    Director (Finance), NDMA
    Director (Media & IT), NDMA
    PS to Chairman, NDMA
MONSOON 2020 DAILY SITUATION REPORT NO – 91
(PERIOD COVERED: 23 September 2020 1300 HRS – 24 September 2020 1300 HRS)

1. Area Affected (Last 24 Hours)

<table>
<thead>
<tr>
<th>Sr</th>
<th>Province / Region</th>
<th>Area Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Federal</td>
<td>NTR</td>
</tr>
<tr>
<td>b.</td>
<td>Balochistan</td>
<td>NTR</td>
</tr>
<tr>
<td>c.</td>
<td>Khyber Pakhtunkhwa</td>
<td>NTR</td>
</tr>
<tr>
<td>d.</td>
<td>Punjab</td>
<td>NTR</td>
</tr>
<tr>
<td>e.</td>
<td>Sindh</td>
<td>NTR</td>
</tr>
<tr>
<td>f.</td>
<td>AJ&amp;K</td>
<td>NTR</td>
</tr>
<tr>
<td>g.</td>
<td>Gilgit Baltistan</td>
<td>NTR</td>
</tr>
</tbody>
</table>

2. Extent of Damages

a. Summary of Overall Preliminary Damages of Infrastructure & Private Properties
(15 June 2020 to till date)

<table>
<thead>
<tr>
<th>Provinces / Regions / Roads</th>
<th>Bridges</th>
<th>Shops</th>
<th>Hotels</th>
<th>Masjid</th>
<th>Houses</th>
<th>Power Houses</th>
</tr>
</thead>
<tbody>
<tr>
<td>ICT</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>971</td>
<td>906</td>
</tr>
<tr>
<td>Balochistan*</td>
<td>13</td>
<td>3</td>
<td>2</td>
<td>4</td>
<td>740</td>
<td>178</td>
</tr>
<tr>
<td>KP*</td>
<td>-</td>
<td>-</td>
<td>17</td>
<td>-</td>
<td>17</td>
<td>220</td>
</tr>
<tr>
<td>Punjab*</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>137,178</td>
<td>77,343</td>
</tr>
<tr>
<td>Sindh*</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>118</td>
<td>50</td>
</tr>
<tr>
<td>AJ&amp;K*</td>
<td>-</td>
<td>1</td>
<td>1</td>
<td>-</td>
<td>89</td>
<td>39</td>
</tr>
<tr>
<td>GB</td>
<td>-</td>
<td>4</td>
<td>-</td>
<td>1</td>
<td>139,113</td>
<td>78,735</td>
</tr>
<tr>
<td>TOTAL</td>
<td>13</td>
<td>10</td>
<td>20</td>
<td>3</td>
<td>5</td>
<td>7</td>
</tr>
</tbody>
</table>

(* All PDMAs have forwarded the consolidated damages / losses report. However, Rapid Need Assessment is being conducted by PDMA and figures will be updated accordingly.)

b. Summary of Preliminary Casualty – Death / Injured (15 June 2020 to till date)

<table>
<thead>
<tr>
<th>Provinces / Regions</th>
<th>Deaths</th>
<th>Injured</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>M</td>
<td>F</td>
</tr>
<tr>
<td>ICT</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Balochistan*</td>
<td>7</td>
<td>3</td>
</tr>
<tr>
<td>Khyber Pakhtunkhwa*</td>
<td>37</td>
<td>24</td>
</tr>
<tr>
<td>Punjab*</td>
<td>104</td>
<td>-</td>
</tr>
<tr>
<td>Sindh*</td>
<td>77</td>
<td>36</td>
</tr>
<tr>
<td>AJ&amp;K*</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Gilgit Baltistan</td>
<td>5</td>
<td>-</td>
</tr>
<tr>
<td>TOTAL</td>
<td>232</td>
<td>65</td>
</tr>
</tbody>
</table>

(* All PDMAs have forwarded the consolidated damages / losses report. However, Rapid Need Assessment is being conducted by PDMA and figures will be updated accordingly. ^ Segregated data is still awaited from PDMA Punjab.)
3. **Flood Relief Activities**
   a. **Relief Camps Established.** 196x relief camps established in different parts of Sindh. Currently, 23,629x persons are residing in relief camps established in Sindh.
   b. **Rescue Activities**
      (1) 2,333x persons evacuated in District Khushab.
      (2) 8,799x persons evacuated in Karachi.
      (3) 175x families (1,245 individuals) evacuated by Armed Forces and District Administration from Yousaf Goth, Sarjani Town and adjoining Goths, District Karachi.
      (4) 299x persons evacuated using 10x boats in District Dadu by Armed Forces and District Administration.
   c. **Aviation Activities.** NTR.
   d. **Relief Activities.** Consolidated state of relief activities in attached as Annex A.

4. **Threat to Next Likely Areas.** NTR.

5. **River Discharges.** All major rivers are flowing at Below Low Flood Level. Details of river discharges is attached as Annex B.

6. **Dams Levels**

<table>
<thead>
<tr>
<th>Ser</th>
<th>Reservoirs</th>
<th>Max Conservation Level &amp; Live Storage (Feet) (MAF*)</th>
<th>Current Level &amp; Live Storage (Feet) (MAF*)</th>
<th>Remaining Level &amp; Live Storage (Feet) (MAF*)</th>
</tr>
</thead>
<tbody>
<tr>
<td>a.</td>
<td>Tarbela</td>
<td>1,550.00 5.980</td>
<td>1,548.79 5.911</td>
<td>1.21 0.069</td>
</tr>
<tr>
<td>b.</td>
<td>Mangla</td>
<td>1,242.00 7.356</td>
<td>1,234.90 6.798</td>
<td>7.10 0.558</td>
</tr>
<tr>
<td>c.</td>
<td>Chashma</td>
<td>649.00 0.278</td>
<td>645.40 0.136</td>
<td>3.60 0.142</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Total Storage as on 24 September 2020</td>
<td>12.845 (MAF)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Remaining Storage</td>
<td>0.769 (MAF)</td>
</tr>
</tbody>
</table>

7. **Weather Forecast for Next 24 Hours.** Mainly dry weather is expected over most parts of the Country, however Isolated thunderstorm / rain is expected over the upper catchment of River Indus. Last 24 hours significant rainfall recorded is attached as Annex C.

8. **Weather Advisory / Press Release.** NTR.

9. **Flood Warning / Alert.** NTR.

10. **Daily Flood / Base Flow Data Obtained from India.** Data regarding flows of eastern rivers obtained from internet on 24 September 2020 at 0600 hours are as under:

<table>
<thead>
<tr>
<th>Dam / Location</th>
<th>Current Level (Feet)</th>
<th>Inflow (Cusecs)</th>
<th>Outflow (Cusecs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bhakra Dam on River Sutlej</td>
<td>1,658.30</td>
<td>23,792</td>
<td>31,459</td>
</tr>
<tr>
<td>Pong Dam on River Beas</td>
<td>1,373.86</td>
<td>3,892</td>
<td>11,010</td>
</tr>
<tr>
<td>Thein Dam on River Ravi as on 17 Sep 2020 (Updated once in a week)</td>
<td>1,693.61</td>
<td>Not Available</td>
<td>Not Available</td>
</tr>
</tbody>
</table>
11. **Warning / Alert** Keeping in view the higher water level in Mangla Reservoir (1,234.90 feet), Tarbela Dam (1,548.79 feet) and expected rains over the upper catchments of all the Major Rivers which may result in increasing discharge of surplus water from Mangla Dam and Tarbela Dam. All relevant district administrations to sensitize the population residing near the river banks along River Chenab and Jhelum and to take necessary precautionary measures.

Lieutenant Colonel
For Chairman NDMA
(Muhammad Ala Ud Din)
Tel. 051-9087874
Fax No: 9205086
Annex A
To NDMA SITREP No-091
dated 24 September 2020

CONSOLIDATED STATE OF RELIEF PROVIDED DURING MONSOON 2020

<table>
<thead>
<tr>
<th>Serial</th>
<th>Items</th>
<th>Sindh</th>
<th>Balochistan</th>
<th>Khyber Pakhtunkhwa</th>
<th>Gilgit Baltistan</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>GoS</td>
<td>NDMA</td>
<td>UN / NGOs / Others</td>
<td>GoB</td>
<td>GoKP</td>
</tr>
<tr>
<td>1</td>
<td>Tents</td>
<td>65,475</td>
<td>29,000</td>
<td></td>
<td>4,750</td>
<td>555</td>
</tr>
<tr>
<td>2</td>
<td>Blankets / Quilts</td>
<td>5,300</td>
<td>-</td>
<td>2,000</td>
<td>4,250</td>
<td>695</td>
</tr>
<tr>
<td>3</td>
<td>Mosquito Nets</td>
<td>142,200</td>
<td>2,000</td>
<td></td>
<td>1,170</td>
<td>-</td>
</tr>
<tr>
<td>4</td>
<td>Plastic Mats</td>
<td>500</td>
<td>-</td>
<td></td>
<td>3,350</td>
<td>345</td>
</tr>
<tr>
<td>5</td>
<td>Tarpaulins</td>
<td>-</td>
<td>10,000</td>
<td>1,450</td>
<td>-</td>
<td>12</td>
</tr>
<tr>
<td>6</td>
<td>Kitchen Sets</td>
<td>2,900</td>
<td>100</td>
<td></td>
<td>1,550</td>
<td>157</td>
</tr>
<tr>
<td>7</td>
<td>Gas Cylinders</td>
<td>-</td>
<td>-</td>
<td></td>
<td>1,550</td>
<td>157</td>
</tr>
<tr>
<td>8</td>
<td>Jerry Cans</td>
<td>4,680</td>
<td>-</td>
<td>1,000</td>
<td>2,250</td>
<td>53</td>
</tr>
<tr>
<td>9</td>
<td>Hygiene Kits</td>
<td>2,579</td>
<td>-</td>
<td>1,160</td>
<td>2,150</td>
<td>-</td>
</tr>
<tr>
<td>10</td>
<td>Iron Bed / Bed / Charpai</td>
<td>775</td>
<td>-</td>
<td></td>
<td>2,966</td>
<td>3</td>
</tr>
<tr>
<td>11</td>
<td>Bed Sheets</td>
<td>500</td>
<td>-</td>
<td></td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>12</td>
<td>Buckets</td>
<td>-</td>
<td>-</td>
<td></td>
<td>8</td>
<td>-</td>
</tr>
<tr>
<td>13</td>
<td>Matresses / Sleeping Mats</td>
<td>-</td>
<td>-</td>
<td>2,000</td>
<td>3,000</td>
<td>-</td>
</tr>
<tr>
<td>14</td>
<td>Pillows</td>
<td>-</td>
<td>-</td>
<td></td>
<td>3,050</td>
<td>-</td>
</tr>
<tr>
<td>15</td>
<td>Pedestal Fan</td>
<td>500</td>
<td>-</td>
<td></td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>16</td>
<td>Water Coolers / Tanks</td>
<td>2,355</td>
<td>-</td>
<td>37</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>17</td>
<td>Generators</td>
<td>2</td>
<td>-</td>
<td></td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Serial</td>
<td>Items</td>
<td>Sindh</td>
<td>Balochistan</td>
<td>Khyber Pakhtunkhwa</td>
<td>Gilgit Baltistan</td>
<td>Total</td>
</tr>
<tr>
<td>--------</td>
<td>---------------------------</td>
<td>-------</td>
<td>-------------</td>
<td>--------------------</td>
<td>------------------</td>
<td>-------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>GoS</td>
<td>UN / NGOs / Others</td>
<td>GoB</td>
<td>GoKP</td>
<td>GoGB</td>
</tr>
<tr>
<td>18</td>
<td>De-watering Pumps</td>
<td>267</td>
<td>-</td>
<td>-</td>
<td>11</td>
<td>1</td>
</tr>
<tr>
<td>19</td>
<td>Life Jackets</td>
<td>325</td>
<td>-</td>
<td>-</td>
<td>20</td>
<td>-</td>
</tr>
<tr>
<td>20</td>
<td>Solar Lights</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>2,750</td>
<td>-</td>
</tr>
<tr>
<td>21</td>
<td>Boats with OBMs</td>
<td>24</td>
<td>-</td>
<td>-</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>22</td>
<td>Food Packs (Tons)</td>
<td>1,963.1 Tons (93,481 packs, 21 kg each)</td>
<td>420 Tons (10,000 packs, 42 kg each)</td>
<td>440+94.7</td>
<td>-</td>
<td>80 Tons (1,378 packs, 58 kg each)</td>
</tr>
<tr>
<td>23</td>
<td>Water Bottles (1.5 Litres each)</td>
<td>5,000</td>
<td>11,000</td>
<td>50,000</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>24</td>
<td>High Energy Biscuits (MT)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>375</td>
<td>-</td>
</tr>
<tr>
<td>25</td>
<td>MRE's (1.3 kg each)</td>
<td>-</td>
<td>6.5 Tons (5,000 MREs, 1.3 kg each)</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>26</td>
<td>Aqua Tabs / Water Purification Tablets</td>
<td>-</td>
<td>-</td>
<td>1,442,000</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>27</td>
<td>Medical Kits (3,000 pers / kit)</td>
<td>-</td>
<td>-</td>
<td>50</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Rivers</td>
<td>Station</td>
<td>Design Capacity</td>
<td>Actual Observed Flow</td>
<td>Forecast for Next 24 hrs (Inflow)</td>
<td>Forecasted Flood Level (Inflow)</td>
<td>Danger Level (V. High Flood)</td>
</tr>
<tr>
<td>------------</td>
<td>-----------</td>
<td>-----------------</td>
<td>----------------------</td>
<td>-----------------------------------</td>
<td>---------------------------------</td>
<td>-----------------------------</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Inflow</td>
<td>Outflow</td>
<td></td>
</tr>
<tr>
<td>River Indus</td>
<td>Tarbela</td>
<td>1,500</td>
<td>81.0</td>
<td>81.0</td>
<td></td>
<td>80 – 82</td>
</tr>
<tr>
<td></td>
<td>Kalabagh</td>
<td>950</td>
<td>135.1</td>
<td>127.6</td>
<td></td>
<td>No Significant Change</td>
</tr>
<tr>
<td></td>
<td>Chashma</td>
<td>950</td>
<td>110.9</td>
<td>105.0</td>
<td></td>
<td>-do-</td>
</tr>
<tr>
<td></td>
<td>Taunsa</td>
<td>1,100</td>
<td>107.7</td>
<td>87.7</td>
<td></td>
<td>-do-</td>
</tr>
<tr>
<td></td>
<td>Guddu</td>
<td>1,200</td>
<td>101.2</td>
<td>70.9</td>
<td></td>
<td>-do-</td>
</tr>
<tr>
<td></td>
<td>Sukkur</td>
<td>1,500</td>
<td>67.4</td>
<td>22.2</td>
<td></td>
<td>-do-</td>
</tr>
<tr>
<td></td>
<td>Kotri</td>
<td>875</td>
<td>127.3</td>
<td>115.3</td>
<td></td>
<td>120 F 90</td>
</tr>
<tr>
<td>River Kabul</td>
<td>Nowshera</td>
<td>540</td>
<td>10.2</td>
<td>10.2</td>
<td></td>
<td>No Significant Change</td>
</tr>
<tr>
<td>River Jhelum</td>
<td>Mangla</td>
<td>1,060</td>
<td>18.0</td>
<td>52.4</td>
<td></td>
<td>17 – 19</td>
</tr>
<tr>
<td></td>
<td>Rasul</td>
<td>850</td>
<td>39.8</td>
<td>19.0</td>
<td></td>
<td>No Significant Change</td>
</tr>
<tr>
<td>River Chenab</td>
<td>Marala</td>
<td>1,100</td>
<td>31.8</td>
<td>7.0</td>
<td></td>
<td>30 – 32</td>
</tr>
<tr>
<td></td>
<td>Khanki</td>
<td>800</td>
<td>13.5</td>
<td>5.6</td>
<td></td>
<td>No Significant Change</td>
</tr>
<tr>
<td></td>
<td>Qadirabad</td>
<td>807</td>
<td>24.3</td>
<td>2.3</td>
<td></td>
<td>-do-</td>
</tr>
<tr>
<td></td>
<td>Trimmu</td>
<td>645</td>
<td>43.2</td>
<td>28.7</td>
<td></td>
<td>-do-</td>
</tr>
<tr>
<td></td>
<td>Panjnad</td>
<td>700</td>
<td>31.8</td>
<td>15.7</td>
<td></td>
<td>-do-</td>
</tr>
<tr>
<td>River Ravi</td>
<td>Jassar</td>
<td>275</td>
<td>3.9</td>
<td>3.9</td>
<td></td>
<td>-do-</td>
</tr>
<tr>
<td></td>
<td>Balloki</td>
<td>225</td>
<td>36.7</td>
<td>4.2</td>
<td></td>
<td>-do-</td>
</tr>
<tr>
<td></td>
<td>Sidhnai</td>
<td>150</td>
<td>19.3</td>
<td>1.3</td>
<td></td>
<td>-do-</td>
</tr>
<tr>
<td>River Sutlej</td>
<td>G.S. Wala</td>
<td>-</td>
<td>0.0</td>
<td>0.0</td>
<td></td>
<td>-do-</td>
</tr>
<tr>
<td></td>
<td>Sulemanki</td>
<td>325</td>
<td>16.1</td>
<td>2.0</td>
<td></td>
<td>-do-</td>
</tr>
<tr>
<td></td>
<td>Islam</td>
<td>300</td>
<td>1.2</td>
<td>0.0</td>
<td></td>
<td>-do-</td>
</tr>
</tbody>
</table>

**Note.** All data in Thousands of Cusecs.
PAST METEOROLOGICAL SITUATION AND FUTURE FORECAST BY PMD

1. Significant Rainfall Reported Last 24 Hours
   e. Sindh. Nil.
   f. AJ&K. Nil.
   g. Gilgit Baltistan. Nil.