



Beirut Port Disaster Situation Report #2

6 September 2020



The weekly situation report addresses the public at large and provides highlights of the different aspects of Response to Beirut Port Disaster being done by different national and international stakeholders in terms of mobilization and coordination of resources to meet affected peoples' needs.

The Lebanese Government Response Plan aims at saving lives; providing immediate basic assistance to all affected people; restoring life conditions in the affected areas and implementing a national recovery plan including health, economy, education, social and environment sectors.

Current Status

Highlights

- 2015 buildings and 363 cultural buildings were surveyed by the Syndicate of Engineers (OEA), 2,500 houses assessed by the Forward Emergency Room (FER).
- 8,707 of the 12,500 metric tons of wheat flour arrived at Beirut Port offloaded (OCHA Strep#9).
- The outpatient department at Quarantina Hospital is now running and temporary rehabilitation of the Hospital included repairs within the neonatal intensive care unit, the pediatric intensive care unit, the operating room and a ward (OCHA Strep#9).
- 163 public and private schools and 5 technical and vocational compounds including 20 TVET schools have been affected by the explosion, affecting the continuity of learning for at least 85,000 learners (MEHE, UNESCO).
- The water systems in 1,339 buildings are damaged, 3,584 roof tanks are affected, and the wastewater system of 647 building is also been damaged (OCHA Strep#9).
- About 4% of the water supply and sanitation facilities in Greater Beirut and Beirut was impacted (WB, Aug2020).
- The preliminary assessment of the damages on the electricity sector indicates an impact mainly on transmission; distribution; administrative assets of the state-owned power utility Electricité du Liban; and the headquarters of the Ministry of Energy and Water with an initial damage cost between US\$ 40.0 – 50.0 million (WB, Aug2020).
- Beirut suffered greater damage in the range of US\$ 20.0 - \$25. million (WB, Aug2020).
- About 56% of commercial and industrial facilities were affected (WB, Aug2020).
- Around 12% of bank branches in Beirut are destroyed, and another 7% and 16% partially and minimally damaged, respectively. More than two dozen ATMs and 2,300+ point-of-sale (POS) machines are destroyed or partially damaged (WB, Aug2020).
- About 49% of tourism facilities were affected (WB, Aug2020).
- \$56.4 million received since the launch of the UN Flash Appeal on 14 August (OCHA Strep#9).

International Aid

Countries Direct Support

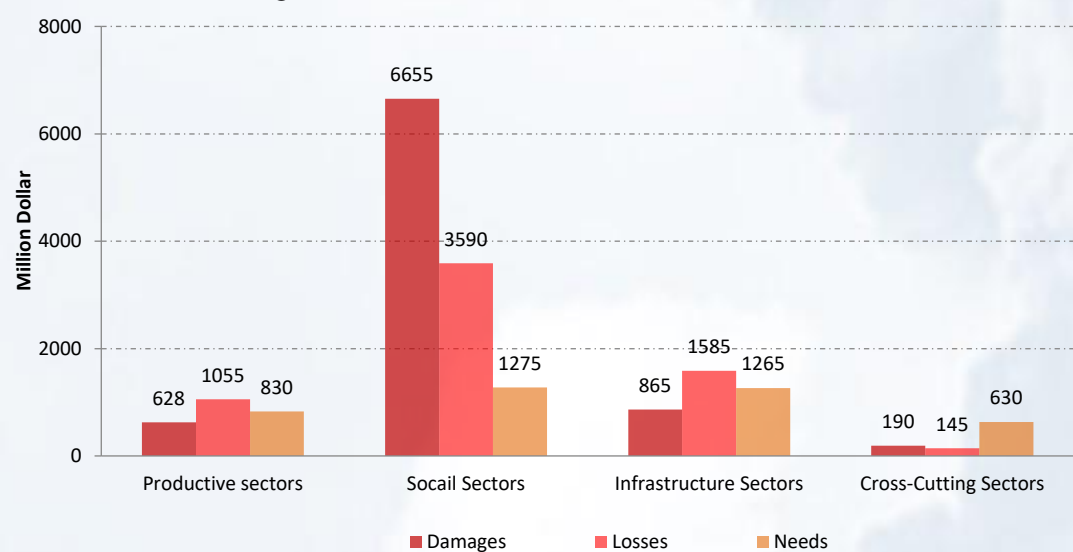
More than 35 Countries have been responding to Lebanon appeal in the different response and humanitarian sectors (Details about type of donation per country are available on the Donors' Coordination Platform <https://dcp.pcm.gov.lb>)



Damage, Losses, and Public Sector Needs by Sector

Beirut Rapid Damage and Needs Assessment

World Bank – August 2020



Damage is estimated as the replacement value of totally, partially, or minimally damaged physical assets.

Losses are estimated in the flows of the economy that arise from the temporary absence of the damaged assets.

The overall damage incurred as a result of the explosions is in the range of US\$ 3.8 and 4.6 billion. In the Social Sectors, Housing and Culture are the most affected enduring substantial damage totaling between US\$ 1.9 – 2.3 billion and US\$ 1.0 - 1.2 billion, respectively. Tourism, and Commerce and Industry incurred most of the damage among the Productive Sectors with damages between US\$ 170 -205 million and US\$ 105 – 125 million, respectively. Damages to Infrastructure Sectors were concentrated on the Transport and Port sector, ranging between US\$ 280 – 345 million. In the Cross-Cutting Sectors, Governance suffered the most damage between US\$ 65 – 80 million.

World Bank Beirut Rapid Damage and Needs Assessment-Aug2020

SHELTER

The Forward Operations Room lead by the Army has split the affected area into 188 zones covering the explosion area and its surroundings.

Total Number of houses assessed	2500
No. of restored houses	463
No. of houses evacuated	66
No. of houses under restoration	870
% of houses covered with detailed assessment	18.52
List of major stakeholders helping in houses restoration	42

The explosions are estimated to have caused between US\$ 1.9 – 2.3 billion in damage to the Housing sector. Of 171,887 housing units assessed, 8% were destroyed, 15 % partially damaged, and 28% minimally damaged. About 49% of the total assessed stock remains undamaged.

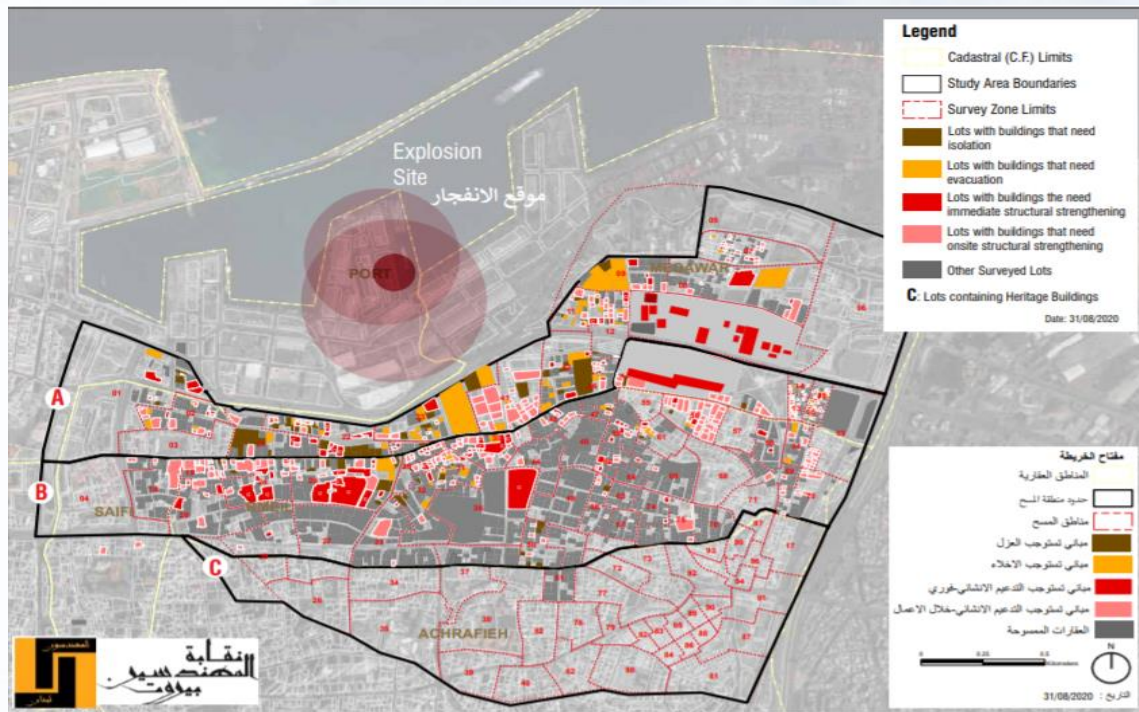
World Bank Beirut Rapid Damage and Needs Assessment-Aug2020



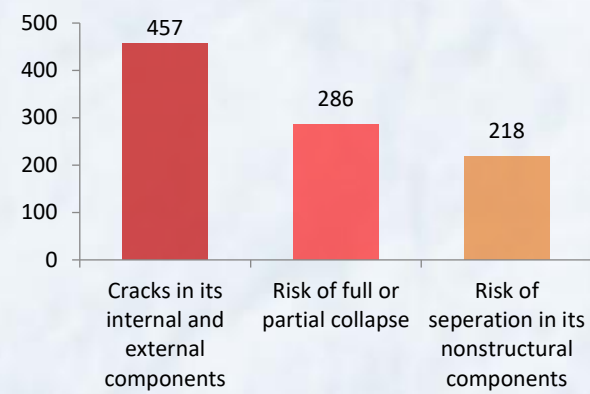
Affected Area – DAMAGE ASSESSMENT

Buildings Damage Assessment

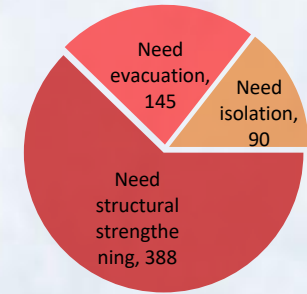
BEIRUT EXPLOSION: BUILDINGS' WEEKLY ASSESSMENT REPORT by the Order of Engineers and Architects in collaboration with FER, Beirut Governorate and the Municipality. Report no.2 dated 02/09/2020.



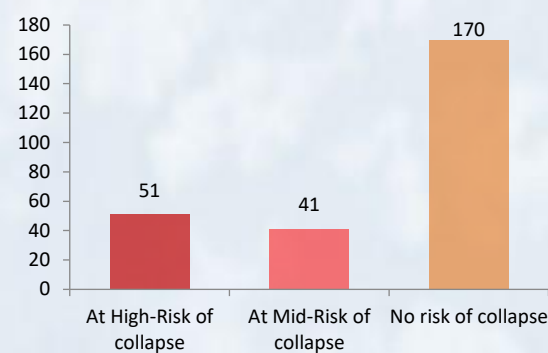
Total number of surveyed buildings : 2015



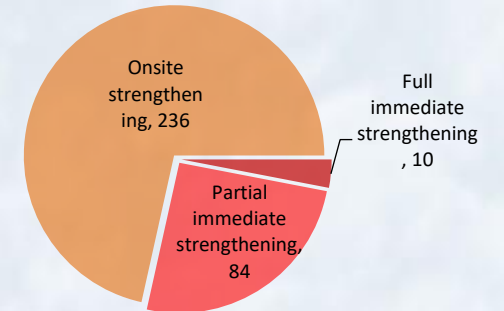
Recommendations for surveyed buildings



Total number of surveyed cultural buildings : 363



Recommendations for cultural buildings



FOOD SECURITY

Response

- 24800 food parcels distributed through Beirut Forward Emergency Room.
- 74,600 hot/ready-to-eat meals have been distributed and 21,200 households were provided with food vouchers and in-kind food parcels in 13 neighborhoods by 29 different organizations (Ref: UN OCHA Humanitarian Situation Report n.9 dated 2.9.2020).
- 8,707 of the 12,500 metric tons of wheat flour arrived at Beirut Port offloaded (OCHA Strep#9).
- The WFP shipment of 12,500 metric tons of wheat flour continues, with 8,707 metric tons discharged as of 31 August. The wheat flour will be distributed to millers across the country to support food security in country by increasing the weight of a bread package by 117 grams for a period of two months (OCHA Strep#9).

FER: Food distribution per zone and type till date



DEBRIS & WASTE MANAGEMENT

Wastes Management Coordination Working Group

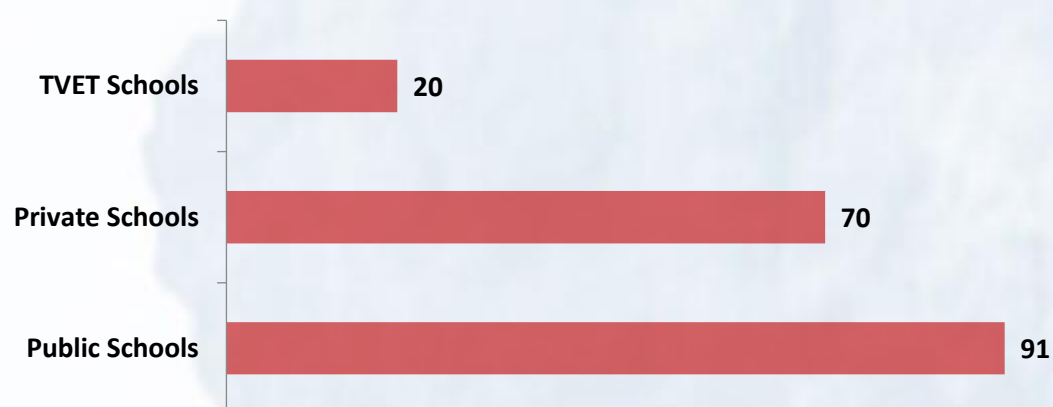
- Two sites have been identified as potentially suitable for the temporary storage, sorting and treatment of the construction and demolition waste from outside the Port of Beirut. The needed legal and environmental processes to use these sites is being followed-up.
- Construction and demolition waste from outside the Port of Beirut is being stored in the temporary site of Karantina and all activities are being coordinated by the Municipality of Beirut.
- EU, the Ministry of Environment and the Lebanese Armed Forces are working closely together with a group of 11 experts to inspect the hazardous waste in the Port of Beirut and to determine suitable initial protection and containment measures to avoid further contamination and health impacts. This will be the basis to develop the waste and environmental management plans.
- UNDP with the support of EU experts undertaking construction and demolition waste quantification from outside the Port of Beirut with group of volunteer engineers (Frontline Engineers).

EDUCATION

Schools damage assessment

163 public and private schools and 5 technical and vocational compounds including 20 TVET schools have been affected by the explosion, affecting the continuity of learning for at least 85,000 learners (MEHE, UNESCO Strep 3.9.2020).

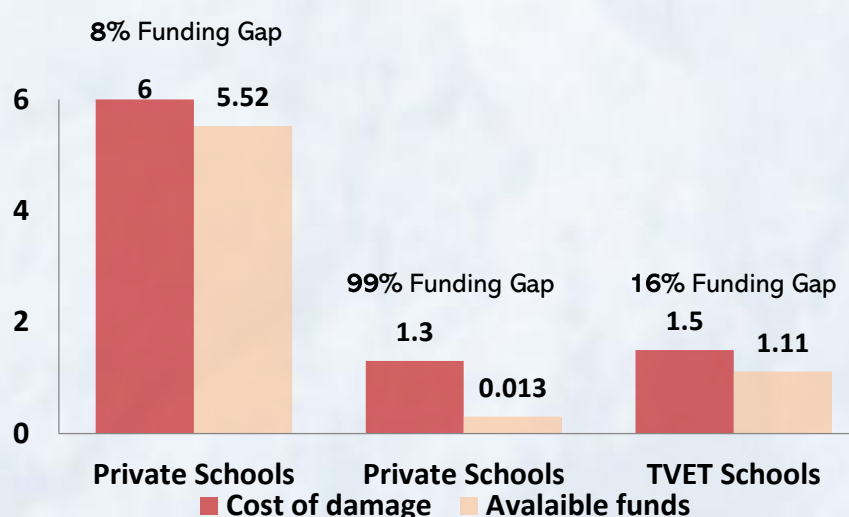
Affected Schools



Needs identified by the Ministry of Education and Higher Education (MEHE)

- Complete school rehabilitation assessment for public, private, and TVET.
- Complete equipment assessment for public, private, and TVET.
- Provide solutions to access remote learning: Devices and connectivity.
- For GE, process rehabilitation and refurbishing works according to the following priority lines:
 1. All Secondary schools (low, moderate level of damage) by mid October 2020
 2. All Middle schools (low, moderate level of damage) by mid October 2020.
 3. Primary schools (low, moderate level of damage) by mid October 2020.

Funding Updates for Rehabilitation



Assessments show that higher education facilities were impacted by the explosion, including 22 buildings belonging to the Lebanese University and 14 buildings of private universities in Achrafieh, including scientific labs for medical schools (OCHA Strep#9).

The damage in the education sector is estimated to be US\$ 15.0 – 20.0 million, Losses: US\$ 70.0 – 85.0 million. MEHE estimates more than 170,000 students at the national level are expected to transition from private schools to public school, with an estimate transition of about 30,000 students (40% of those in private schools in Beirut and Mount Lebanon) expected to withdraw from private schools.

World Bank Beirut Rapid Damage and Needs Assessment-Aug2020

HEALTHCARE

Response

- Regular assessment is being done by the assigned national committee at the Presidency of the Council of Ministers with the Ministry of Public Health (MoPH) and Syndicate of Doctors to identify urgent medical needs at hospitals and aids received.
- MoPH put on weekly basis the lists of medical support items per hospital that are distributed through the FER.
- The outpatient department at Quarantina Hospital is now running with local staff. Also, temporary rehabilitation of the Hospital included repairs within the neonatal intensive care unit, the pediatric intensive care unit, the operating room and a ward. In addition, SDC/HA committed to reconstruct the pediatric division over the next six months with a budget of \$1.1 million (OCHA Strep#9).
- 7 field hospitals are located and functioning in affected areas supporting hospitals (FER).
- 1500 medical consultations and 200 child protection and psychological support services were provided by MOSA through its centers located in the affected areas.
- On 3.9.2020 an Italian humanitarian flight arrived at Rafic Hariri International Airport carrying medicines, health and medical care material as well as personal protection kits, donated to the Lebanese Red Cross for distribution to hospitals in Beirut and Tripoli.
- 250 tonnes of medical supplies were donated by Cyprus through Cyprus Red Cross to the Lebanese Red Cross.
- The Lebanese Diaspora in Brazil donated 6 tonnes of medical supplies that arrived at Beirut Rafic Hariri Airport on 3.9.2020.
- 2,788 consultations and at least 1,116 wound-care sessions, was provided to at least 7,689 patients by 9 organizations (OCHA Strep#9).
- 2,363 individuals were reached out by 4 organizations and provided with primary health care including consultations, medical treatment and distribution of medicines (OCHA Strep#9).
- Since the beginning of the response, 34 tons of PPE were delivered to 27 hospitals; 6.3 million pieces of PPE and COVID-19 supplies were distributed to five border-crossing points; and 1.4 million pieces of PPE and COVID-19 supplies were donated to the Ministry of Public Health (OCHA Strep#9).

Countries Direct Medical Support to Hospitals

88 Medical parcels including medical supplies, medicines and equipment donated by different countries were distributed to 45 public and private hospitals till 24.8.2020.

	Public Hospitals	Private Hospitals	
	Nabaityeh	Belle View	Mount Lebanon
	Baabda	Al Azouniyeh	Saint George - Hadath
	Ftough Kesserwan	AUB	Al Burj
	Seblin	Al Mashrek	Al Rassoul
	Bcharri	Al Makassed	Al Jeeitawi
	Batroun	Al Wardieh	Behmen
	Zahle	Haroun	Al Sahel
	Tebnin	Lady of Lebanon	Al Zahraa
	Tripoli	Osseiran	Risk
	Saida	Ain W Zein	Dahr El Bashek
	Hermel	Saint Charles	Sacred Heart
	Abdalla El Rassi	Serhal	Hotel Dieu
	Rashaya	Orange Nasso	Al Hayat
	Baalbeck	Middle East	Saint Georges – Roum
	Shahar El Gharbi	Clemenceau CMC	Saint Joseph

The health sector damage range between US\$ 95.0 to 115.0 million. About 36% of health facilities (292 of 813 facilities) were affected, including public and private hospital buildings, primary healthcare centers (PHCCs) and dispensaries, private clinics, pharmacies, and stand-alone laboratories/radiology centers.

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