

**Terms of Reference:
Life & Fire Safety Company**

I. BACKGROUND

The Ministry of Labor and Social Protection (MLSP) and the Ministry of Health (MoH) supported by the World Bank undertook the implementation of the Emergency COVID-19 Response Project (ERCP) to prevent, detect and respond to the threat posed by COVID-19 and strengthen national systems for public health preparedness.

The Project has the following three components

Component 1 – Emergency COVID-19 Response

- Subcomponent 1.1: Enhancing case detection, confirmation, contact tracing, reporting and monitoring
- Subcomponent 1.2: Health system strengthening
- Subcomponent 1.3: Financing of bonuses for health workers
- Subcomponent 1.4: Vaccine purchasing

Component 2 – Household Support to Enable Social Distancing

- Subcomponent 2.1: Temporary social assistance support
- Subcomponent 2.2: Temporary unemployment insurance support

Component 3. Project Implementation, Communications, Community Engagement, and Monitoring

Component 1: Emergency COVID-19 Response

This component provides immediate support to the Republic of North Macedonia to limit the local transmission of COVID-19 through containment strategies. It supports enhancement of case detection capacities through the provision of technical expertise, laboratory equipment and systems to ensure prompt case finding and contact tracing, consistent with WHO guidelines in the Strategic Response Plan. It enables North Macedonia to mobilize surge response capacity through financing the bonuses of health workers in the public sector. The bonus is calculated as 5 percent of each eligible worker's basic salary. This provides compensation for the increased workload, stress, and risks that health and frontline workers in COVID-19 centers, hospitals, diagnostic laboratories and support services – for example, radiology and oxygen administration – have been facing because of the pandemic. The Project will support Vaccine Purchase including for the procurement of any vaccines that meet the WB Vaccine Approval Criteria and any ancillary goods needed to deploy the vaccines (e.g., syringes), if any. A National Vaccine Delivery and Deployment Manual (VDDM) shall be delivered to ensure inclusive, safe, efficient, and effective vaccine deployment. The Project supports purchase of medical equipment for public health institutions and refurbish and equip prioritized public health institutions that are used for immunization, based on a needs assessment. Support will also be provided for limited renovations and purchase of equipment, if needed, to operationalize additional ICU beds, and for medical waste management and disposal systems. It is important to note that the operational and financial landscape of the response is subject to rapid change; therefore, the planned interventions will be continually

assessed against ongoing and emerging needs and adjustments will be

II. SPECIFIC BACKGROUND

Within the ERCP Project 17 modular prefabricated containers were procured and 17 Regional Covid Centers (in the cities of: Bitola, Debar, Resen, Skopje, Gevgelija, Kumanovo, Kavadarci, Strumica, Gostivar, Struga, Kochani, Tetovo, Prilep, Veles, Bitola, Stip, Kichevo and Ohrid), with outpatients and inpatients units were established. Please see Annex 1 with information regarding the specific location (municipality), address of the COVID facility, number and type of containers installed. In the next period within this project a company shall be hired for Preparation of Project design for renovation of vaccine centers and based on the prepared design Renovation of vaccine centers shall be conducted (Self-assessment completed. The company needs to conduct field visits to the health centers and their regular vaccination points. This will generate the list of prioritized centers and needs).

III. MAIN OBJECTIVE OF THE ASSIGNMENT

The main objective of this assignment is to enable the implemented activities within the ERCP Project to be compliant with the life and fire safety regulations of the RNM, as well as the requirements of an internationally accepted L&FS standard¹ as per requirements of the L&FS Section of the World Bank Group (WBG) Environmental, Health and Safety (EHS) General Guidelines (https://www.ifc.org/wps/wcm/connect/topics_ext_content/ifc_external_corporate_site/sustainability-at-ifc/policies-standards/ehs-guidelines).

IV. SPECIFIC TASKS

The specific tasks of the L&FS company are mainly connected to two type of activities that needs to be implemented (are implemented) within the project:

- a) Activities related to L&FS measures for mobile COVID 19 centers and preparation of L&FS Master Plan for each COVID 19 center;
 - i Identify major fire risks associated with the hospitals (and specifically of the mobile Covid 19 centers) and the vaccination points, applicable local and international fire codes and national regulatory requirements. To propose L&FS measures for the projects on renovation/reconstruction of the HCFs vaccination points. The suitable L&FS Company will provide guidance, review the plans and provide feedback and training to the assigned focal points in each one of the hospitals, will approve the proposed measures prior approval by the Bank. Also, the L&FS Company will certify final testing and commissioning of fire protection systems of the reconstructed/renovated/buildings.
 - ii Address the following elements: fire prevention; means of egress; detection and alarm systems; compartmentation; fire suppression and control; emergency and response plan; operation and maintenance of L&FS systems.

¹ The following "Internationally Accepted Life and Fire Safety Standards" are referenced in the L&FS Guidelines:

- US Life Safety Code (NFPA)
- French Réglementation Incendie [des ERP]
- Standards from: Australia, Canada, South Africa, and United Kingdom

- iii. To assess the L&FS risk presented by the oxygen system and propose mitigation measures in line with requirements of WBG General EHS guidelines, and address the risk represented by the oxygen supply system during utilization in the hospital, with oxygen enriched internal atmosphere in the rooms, and utilization of oxygen in the facilities (fixed system or portable cylinders); Use of the oxygen level detection systems, attention to alarm or supervisory signals from the oxygen detection system and fire alarm system.
- iv. Develop and use a set of L&FS objectives and L&FS related performance indicators of each temporary hospital and the vaccination points;
- v. Maintain records and documentation of L&FS related issues, describing design and operational measures to be adopted to achieve the L&FS objectives and indicators, and to address the abovementioned L&FS elements and identified L&FS risks;
- vi. Maintain updated floor plans, architectural drawings, and equipment and facility specifications; and
- vii. Report the compliance with the requirements of L&FS codes and standards as required in the L&FS section of the WBG EHS General Guidelines.
- viii. Develop corrective Action Plans with a time frame for implementation, as necessary.
- ix. The company will prepare a Fire Safety documentation which will contain detailed information on the systems installed in the HCF, including: as-built plans of the systems, data sheets of all components, list of necessary spare parts, supplier list, system certificates, fire safety design documentation
- x. To organize appropriate staff trainings on usage and maintenance of fire protection devices and oxygen supply systems and detection systems
- xi. Maintenance and test plan for all fire protection system
- xii. During the operational phase of COVID 19 centers, the L&FS Company will prepare the L&FS Master Plan with fire/oxygen management measures and will perform periodic audits of the centers against the requirements of the approved L&FS Master Plan, including the operational status of the L&FS systems.
- xiii. Procedure to manage changes in the mobile COVID 19 centers: The L&FS Company will review and approve changes made to the facilities, including architectural and layout modifications, addition of large equipment or systems, air conditioning systems, new hazards, procedures, etc.

b) L&FS activities in design phase of the planned projects for renovation/reconstruction of vaccination points.

- i. In the design phase, the designers should propose L&FS measures for the projects on renovation/reconstruction of the HCFs vaccination points. The L&FS Company will provide guidance, review the plans, provide feedback and approve the measures presented by the designer. Where gaps have been identified in the Fire protection “Elaborate”, the company should specify corrective actions to be taken to address the gaps.
- ii. L&FS Audit of vaccination points. Once the renovation/reconstruction of the vaccination points is completed, the L&FS company will conduct the post-construction audit to verify that all proposed L&FS measures within the design have been implemented according the national legislation and WB EHS General Guidance (including fire safety). Where gaps have been identified, she/he should specify corrective actions to be taken to address the gaps. The L&FS company will certify final

testing and commissioning of fire protection system of the reconstructed/renovated buildings.

V. QUALIFICATION REQUIREMENTS:

The consultant company (consultant) shall possess the following relevant qualification:

- (i) The company should have a valid License for contraction and construction design issued by the Ministry of Transport and Communications;
- (ii) The company should have a valid Authorization for maintenance and servicing of stable installations, for detection, occurrence and extinguishing of fires and detection of explosive mixtures issued by the Directorate for Protection and Rescue
- (iii) The company/ consultant should have performed at least two assignments in the past five years, similar to the one described in the specific request for expression of interest (name of the assignment, description, duration, contract amount, reference). The list shall be supported with Letter of approval/certificates on fulfilled contract obligations.
- (iv) The company/consultant needs to have min. 2 years experience in design/master plan preparation and/or post-construction audit experience/supervision practice based on internationally recognized L&FS codes. More than 5 years experience is preferable.

The Consultant must provide at least the following technical expert staff for completing the assignment:

Life & Fire Safety Specialist

Minimum qualifications:

- (i) B.Sc. of technical science;
- (ii) License for design or supervision of fire safety systems issued by the Chamber of Engineers;
- (iii) Should be specialized in design of fire safety systems for buildings, installations and facilities.
- (iv) Minimum 2 years experience in design/master plan preparation and/or post-construction audit experience/supervision practice based on internationally recognized L&FS codes. . More than 5 years experience is preferable.
- (v) Minimum 2 years experiences in working with projects in the Republic of North Macedonia, based on national L&FS requirements.
- (vi) Understands the requirements of the L&FS section of the WBG EHS General Guidelines, IFC guidelines.

Selection method and contract: The selection method is “Consultant’s Qualifications Based Selection” and the contract shall be Time based according to the World Bank Procurement Regulations for Investment Project Financing (IPF) Borrowers – Procurement in IPF of Goods, Works, Non-Consulting

and Consulting Services, (Regulations) dated July 1, 2016 (revised in November 2017 and August 2018) dated July 1, 2016 (revised in November 2017 and August 2018), www.worldbank.org.

VI. REPORTING OBLIGATIONS

The Company shall prepare the indicative timeline for assessment at each location. Also, the List with required documentation to be available at the site shall be drafted by the Company after the sign the Contract.

The indicative time needed for assessment in each location shall be 1 working day. The site visit at the location should be arranged with responsible person/s, including availability of all relevant technical documents needed for assessment and report.

The Company shall deliver two weeks reports for the activities implemented. All reports in English and Macedonian must be sent to the Project Manager, the Minister of Health and Minister of Labour and Social Policy. The approval of the Two weeks reports shall be in one week period by all involved as a Client.

The main aspects into the reports will be:

- Identified fire and oxygen risks and possible impacts at each visited Covid-19 center/vaccination point;
- Noticed non-compliances related to L&FS requirements according the national legislation and WB and international best practices;
- Proposed measures for reduce the current risks and possible impacts and to improve the L&FS standards at the containers/buildings;
- Provided instructions to the Management of the Covid-19 centers/vaccination points to implement the proposed measures, approval to be issued by authorized institutions and to get all necessary permits/approvals on time; All approvals and permits should be review of the L&FS company and present into the report;
- Timeframe to be define for implementation of all measures and actions required to solve the non-compliances;
- Present the current non-compliances with photos (status before applied measures);

The corrective actions taken to overcome non-compliances shall be monitored by the Company.

After the closure of all non-compliances, the Debrief will be prepared to elaborate that based on a site visit, phone conversation, documents submitted, photos received, the all actions and measures have been completed.

VII. DURATION OF ASSIGNMENT

The contract duration shall be until December 31, 2022

Annex 1

Information regarding the specific location (municipality), address of the COVID facility, number and type of containers installed

LOCATION			TYPE	
PUBLIC HEALTH INSTITUTION	MUNICIPALITY	ADDRESS	TYPE OF MODULAR UNIT	E-MAIL
General Hospital Gevgelija	Gevgelija	Ul. Slobodan Mitrov-Danko, nr.38	TYPE B	obgevgelija@zdravstvo.gov.mk
General Hospital Strumica	Strumica	Ul. Mladinska, nr.2	TYPE C	obstrumica@zdravstvo.gov.mk
General Hospital Kichevo	Kichevo	Ul. Aleksandar Makedonski, nr.42	TYPE D	obkicevo@zdravstvo.gov.mk
Clinical Hospital Shtip	Shtip	Ul. Ljuben Ivanov, nr.26	TYPE D	kbstip@zdravstvo.gov.mk
General Hospital Kumanovo	Kumanovo	Ul.11-ti Oktomvri, n.n.	TYPE C	obkumanovo@zdravstvo.gov.mk
General Hospital Struga	Struga	Ul. Kej 8mi Noemvri, n.n.	TYPE C	obstruga@zdravstvo.gov.mk
General Hospital Gostivar	Gostivar	Ul. Major Cede Filiposki, nr.29	TYPE C	obgostivar@zdravstvo.gov.mk
Clinical Hospital Bitola	Bitola	Ul. Asnom, n.n.	TYPE D x2 TYPE A x1	kbbitola@zdravstvo.gov.mk
General Hospital Prilep	Prilep	Ul. Trajko Tarcan, n.n.	TYPE C	obprilep@zdravstvo.gov.mk
General Hospital Ohrid	Ohrid	Ul. Sirma Vojvoda, nr.1	TYPE D	obohrid@zdravstvo.gov.mk

General Hospital Veles	Veles	Ul. Samoborska n.n.	TYPE D	obveles@zdravstvo.gov.mk
General Hospital Kavadarci	Kavadarci	Ul. Siska, nr.35	TYPE C	obkavadarci@zdravstvo.gov.mk
Resen	Resen	Ul. Koco Racin, n.n.	TYPE A	zdresen@zdravstvo.gov.mk
General Hospital Kochani	Kochani	Ul. Milan Zecar, nr.21	TYPE C	obkocani@zdravstvo.gov.mk
Institute for Respiratory Diseases Kozle	Skopje	Ul. Kozle n.n.	TYPE A	institutkozle@zdravstvo.gov.mk
General Hospital Debar	Debar	Ul. Amdi Lesi, nr.51	TYPE A	obdebar@zdravstvo.gov.mk