



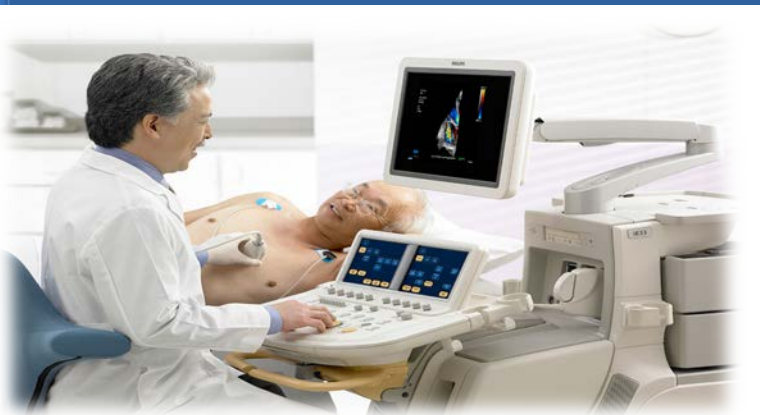
2021

وزارة الصحة الفلسطينية
Ministry of Health




Project Proposal

Enhancing cardiac services in Ministry of Health –
Gaza Strip



Project number	2021/085				Date:	15/07/2021	
Project name	Enhancing cardiac services in Ministry of Health – Gaza Strip				Applicant for the project	General Directorate of Hospitals	
Project duration in months	6 months			Type of project		Within the plan	
						Urgent	
Project field		Construction		Rehabilitation		Machines & Equipment	Therapeutic Services
		Consumables		Training and Scholarship		Operational Expenses	Others (.....)
Implementing body	Ministry of Health				Project Partners		
Beneficiaries	Cardiac patients				Place of implementation		Al-Shifa Medical Complex & European Gaza Hospital
Estimated budget (USD)	240,000 \$ (Two hundred forty thousand dollars)						
Summary of the project (Overview of the project idea and requirements to solve the current problem)	<p>The idea of the project is to provide two transesophageal echocardiography (TEE), one for Al-Shifa Medical Complex and another one for European Gaza Hospital, and two transthoracic echocardiography (TTE) for Al-Shifa Medical Complex. Heart diseases occupied the highest rank of the causes leading to death in Gaza Strip and represent 49.6% of the total deaths. The most common clinical indications for echocardiography were to evaluate the cardiac source of embolism, endocarditis, prosthetic heart valve dysfunction, native valvular disease, and aortic dissection or aneurysm. Echocardiography is also performed with many cardiac surgical procedures, especially those involving congenital or valve repairs, both to verify preoperative diagnosis and anatomy and to monitor the success of the procedure. In general, TTE is widely available and can provide rapidly important diagnostic information. There are clinical situations in which TTE imaging alone does not provide adequate resolution to make a firm diagnosis. These situations include chronic obstructive pulmonary disease (COPD), previous thoracic surgery, and morbid obesity. In addition, the presence of prosthetic heart valves creates specific imaging challenges that may necessitate the use of TEE or a combination of TTE and TEE. TEE imaging is typically performed at a higher frequency (6 to 7 MHz) as compared to TTE (2 to 4 MHz). This higher frequency allows for greater spatial resolution of nearby structures including the cardiac valves. The existing Echo devices are worn out and outdated. Moreover, there is only one TEE device at the cardiac surgery department in Al-Shifa Medical Complex and this leads to difficulty in diagnosing cardiac patients and increases the possibility of complications. Therefore, we hope</p>						

	to provide these devices urgently which facilitate the work of cardiologists in MoH hospitals and avoid transferring patients to private hospitals or abroad.																																																																			
Project justifications	<ul style="list-style-type: none"> • There is only one TEE device and it is frequently malfunctioning. • Diagnostic and therapeutic cardiac catheterization services are provided at Al-Shifa Medical Complex and European Gaza Hospital only. • Lack of Echo devices leads to difficulty in the work of cardiologists in diagnosing and treating many cardiac problems in MoH hospitals. 																																																																			
Project objectives	<p><u>Overall goal:</u></p> <ul style="list-style-type: none"> ▪ Enhancing cardiac services in the Ministry of Health – Gaza Strip by providing two transesophageal echocardiography and two transthoracic echocardiography devices. <p><u>Specific objectives:</u></p> <ol style="list-style-type: none"> 1. To provide two transesophageal echocardiography and two transthoracic echocardiography devices. 2. To facilitate the work of cardiologists in diagnosing and treating many cardiac problems in MoH hospitals. 3. To decrease the number of transferring patients to private hospitals or abroad. 4. To save the time, which participates in earlier relief of the episode or the disease, as well as minimizing the complications. 																																																																			
Current indicators	<ul style="list-style-type: none"> ▪ The existing Echo devices are worn out and outdated. ▪ There is no device for transesophageal imaging except one at the cardiac surgery department in Al-Shifa Medical Complex. ▪ Difficulty in diagnosing cardiac patients without these devices. 																																																																			
Expected indicators after implementing the project	<ul style="list-style-type: none"> ✓ Two transesophageal echocardiography and two transthoracic echocardiography devices are provided. ✓ Ease of diagnosing cardiac cases in MoH hospitals. 																																																																			
Schedule of the main project implementation phases	<table border="1"> <thead> <tr> <th rowspan="2">Stage</th> <th colspan="12">Duration (months)</th> </tr> <tr> <th>1</th> <th>2</th> <th>3</th> <th>4</th> <th>5</th> <th>6</th> <th>7</th> <th>8</th> <th>9</th> <th>10</th> <th>11</th> <th>12</th> </tr> </thead> <tbody> <tr> <td>Preparation</td> <td style="background-color: #4F81BD;"></td> <td style="background-color: #4F81BD;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Implementation</td> <td></td> <td></td> <td style="background-color: #4F81BD;"></td> <td style="background-color: #4F81BD;"></td> <td style="background-color: #4F81BD;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Evaluation and closure</td> <td></td> <td></td> <td></td> <td></td> <td style="background-color: #4F81BD;"></td> <td style="background-color: #4F81BD;"></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Stage	Duration (months)												1	2	3	4	5	6	7	8	9	10	11	12	Preparation														Implementation														Evaluation and closure													
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Budget breakdown	#	Item	Qty.	Unit cost (\$)	Total cost (\$)	
	1.	Transesophageal echocardiography (TEE)	2	70,000	140,000	
	2.	Transthoracic echocardiography (TTE)	2	50,000	100,000	
	Total cost in numbers (\$)				240,000	
	Total cost in words (\$)				Two hundred forty thousand dollars	
Sustainability of the project	 Periodic maintenance to devices and provision of necessary spare parts to continue their use and benefit through the MoH.					
Project monitoring & evaluation	<ul style="list-style-type: none"> ➤ Reports of price offer and bidding according to the specifications of the required device. ➤ Reports of receive and handover of devices and their conformity with the required specifications. ➤ Follow up the periodic and final reports of the project. ➤ Report on the impact of project implementation on relevant indicators before implementation. 					
Annexes	- Technical specifications will be provided later.					
Preparation & supervision	Project designer: Mr. Mahmoud Elkhateeb		Director of projects preparation department: Dr. Hamza Abdeljawad			
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