



2021

وزارة الصحة الفلسطينية
Ministry of Health



Project Proposal

**Enhancing intensive care units and operation rooms'
services at Ministry of Health, Gaza Strip**

E-Mail: icd@moh.gov.ps

Tel: 00970 8 2826934

Fax: 00970 8 2826325

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| Project number | 2021/111 | | | | Date: | 13/09/2021 | |
| Project name | Enhancing intensive care units and operation rooms' services at 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 (Policies & procedures) |
| Implementing body | Ministry of Health | | | | Project Partners | | |
| Beneficiaries | <ul style="list-style-type: none"> • Adult critical cases (7,986 cases in 2019). • Children who need critical care (579 cases in 2019). • Patients who need surgeries (61,216 operations in 2019). | | | | Place of implementation | | Hospitals of Ministry of Health |
| Estimated budget (USD) | \$1,050,000 (One million fifty thousand dollars) | | | | | | |
| Summary of the project (Overview of the project idea and requirements to solve current problem) | <p>The idea of the project is to provide some of the necessary devices, consumables, training staff, and updating policies and procedures at intensive care units (ICUs) and operation rooms (ORs) in the Ministry of Health. ICUs and ORs are crucial departments that are needed to provide critical care and life support for acutely ill and injured patients. In MoH, there are 6 ICUs and 9 ORs departments with 98 and 54 beds respectively that serve more than two million people in Gaza Strip. There are some obstacles that decrease the quality of care provided such as worn out of many necessary devices and consumables, lack of specialists in ICU and anesthesia, and unclarity of policies and procedures. So, it is crucial to implement this project that will contribute to increasing the quality of intensive care units and operation rooms' services in the Ministry of Health.</p> | | | | | | |
| Project justifications | <ul style="list-style-type: none"> • The need for providing new devices and equipment instead of the old ones. • The continuous need for consumables of ICUs and ORs. • The need for raising competencies of ICUs and ORs' teams. • The need for updating policies and procedures used in ICUs and ORs. | | | | | | |

| <p>Project objectives</p> | <p>Overall goal:</p> <ul style="list-style-type: none"> Enhancing & improving intensive care units and operation rooms' services at Ministry of Health – Gaza Strip by providing the necessary devices, consumables, training staff, and updating policies and procedures. <p>Specific objectives:</p> <ol style="list-style-type: none"> To provide some of the necessary devices and equipment in ICUs and ORs. To provide the necessary consumables for 6 months in ICUs and ORs. To provide some scholarships and training programs. To update policies and procedures for admission & discharge. To facilitate the work of ICUs and ORs staff in dealing with critical cases in MoH hospitals. To reduce the number of transferring patients abroad. To improve the quality of ICU services at MoH. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--|-----------------------------------|-------------------|-----------------|------------|----|---------------------|---------|-----|----|----------------------------------|---------|-----|----|-------------|---------|-----|----|---|--------|----|------------------------------|---|------------------|-------------|----------------------------|-------------|-----------------------------------|---|--|--|--|--|--|--|--|--|--|--|----------------|--|---|---|---|---|--|--|--|--|--|--|--|------------------------|--|--|--|--|---|---|--|--|--|--|--|--|
| <p>Current indicators</p> | <ul style="list-style-type: none"> ❖ 40% of anesthesia machines used in ORs are old and worn out. ❖ 70% of ICU beds are old, bad, lack some functions, and do not meet international standards. ❖ 80% of critical care units have no U/S machines for anesthesia procedures. ❖ Few of the doctors and nurses have a certificate of specialization in intensive care and anesthesia. ❖ The unclarity of policies and procedures used in ICUs and ORs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Expected indicators after implementing the project</p> | <ul style="list-style-type: none"> ✓ Providing 7 anesthesia machines. ✓ Providing 2 fibroptic soft laryngoscope. ✓ Providing 5 Ultrasound For regional Anesthesia. ✓ Providing the necessary consumables for 6 months. ✓ Presence of sufficient number of specialized doctors and nurses in ICU and OR. ✓ Presence of clear policies and procedures used in ICUs and ORs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Schedule of the main project implementation phases</p> | <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>■</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>■</td><td>■</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>■</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 | | | | | ■ | ■ | | | | | | |
| Stage | Duration (months) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Preparation | ■ | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Implementation | | ■ | ■ | ■ | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Evaluation and closure | | | | | ■ | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Budget breakdown</p> | <table border="1"> <thead> <tr> <th>#</th> <th>Item</th> <th>Total cost (\$)</th> <th>Percentage</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Devices & equipment</td> <td>340,000</td> <td>32%</td> </tr> <tr> <td>2.</td> <td>Scholarships & Training programs</td> <td>580,000</td> <td>55%</td> </tr> <tr> <td>3.</td> <td>Consumables</td> <td>100,000</td> <td>10%</td> </tr> <tr> <td>4.</td> <td>Updating policies, procedures & protocols</td> <td>30,000</td> <td>3%</td> </tr> <tr> <td colspan="2">Total cost in numbers</td> <td>1,050,000</td> <td rowspan="2">100%</td> </tr> <tr> <td colspan="2">Total cost in words</td> <td>One million fifty thousand</td> </tr> </tbody> </table> | # | Item | Total cost (\$) | Percentage | 1. | Devices & equipment | 340,000 | 32% | 2. | Scholarships & Training programs | 580,000 | 55% | 3. | Consumables | 100,000 | 10% | 4. | Updating policies, procedures & protocols | 30,000 | 3% | Total cost in numbers | | 1,050,000 | 100% | Total cost in words | | One million fifty thousand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| # | Item | Total cost (\$) | Percentage | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. | Devices & equipment | 340,000 | 32% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | Scholarships & Training programs | 580,000 | 55% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Consumables | 100,000 | 10% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | Updating policies, procedures & protocols | 30,000 | 3% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total cost in numbers | | 1,050,000 | 100% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total cost in words | | One million fifty thousand | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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| Sustainability of the project | <ul style="list-style-type: none"> ✚ Periodic maintenance to devices and provision of necessary spare parts to continue their use and benefit. ✚ Availability of qualified trainers and trainees. | | |
| Project monitoring & evaluation | <ul style="list-style-type: none"> ➤ Reports of price offer and bidding according to the required devices and equipment specifications. ➤ Reports of receive and handover of devices and equipment and its 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 | <ul style="list-style-type: none"> - List of needed scholrships and training programs. - List of required devices and equipment was attached. - List of policies and protocols that need to be updated. - Technical specifications of devices and equipment will be attached later. - List of required ICUs and ORs consumables will be provided later. | | |
| Preparation & supervision | Project designer: Mr. Mahmoud Elkhateeb | | Director of projects preparation department: Dr. Hamza Abdeljawad |
| Contact | Name: | Dr. Abdellatif El-Hajj | Job title: General Director of International Cooperation and Projects |
| | E-mail: | icd@moh.gov.ps | Phone with country code: 00970 8 2826325 |

| List of required devices & equipment | | | | |
|---|------------------------------------|-------------|------------------------|-------------------------|
| # | Item | Qty. | Unit price (\$) | Total price (\$) |
| 1. | Anesthesia Machine | 7 | 30,000 | 210,000 |
| 2. | Fiberoptic soft laryngoscope | 2 | 15,000 | 30,000 |
| 3. | Ultrasound For regional Anesthesia | 5 | 20,000 | 100,000 |
| Estimated cost (\$) | | | | 340,000 |

| Scholarships & training programs | | | | |
|---|---|---------------|-----------------------|------------------------|
| # | Item | Degree | Unit cost (\$) | Total cost (\$) |
| 1. | Anesthesia & ICU for 50 doctors | Diploma | 1,600 | 80,000 |
| 2. | Anesthesia & ICU for 2 doctors | MSc & PhD | 70,000 | 140,000 |
| 3. | Anesthesia & ICU for 2 nurses | MSc & PhD | 70,000 | 140,000 |
| 4. | Pediatrics Doctor Intensivist for 2 doctors | Diploma | 70,000 | 140,000 |
| 5. | Pediatric ICU Nursing for 20 nurses | Diploma | 1,000 | 20,000 |
| 6. | Adult ICU Nursing for 20 nurses | Diploma | 1,000 | 20,000 |
| 7. | Infection Control Diploma for 40 trainees | Diploma | 1,000 | 40,000 |
| Estimated cost (\$) | | | | 580,000 |

| List of policies and protocols that need to be updated | | |
|---|--|------------------|
| # | Item | Cost (\$) |
| 1. | Establishing general policies and procedures | 10,000 |
| 2. | Developing adult and pediatric ICU protocols | 10,000 |
| 3. | Developing OR protocols | 10,000 |
| Estimated cost (\$) | | 30,000 |