



# PROJECT MANAGEMENT

## Risk Register

Reference : JKR.PMMM.06  
 Page No : 1  
 Issue No : 1  
 Revision No : 0  
 Date : 06.05.2008

**Project Title : PROJEK HOSPITAL PENGAJAR PENGAJAR UNISZA (TENDER TERBUKA - REKA & BINA)**

**Project No. :**

**Date : 20.6.2013**

**Project Mgr : Ir Haizan Bin Hussein**

| CATERGORY OF PROJECT |                          | Likelihood        | Impact Rating    | Risk Rating   | Risk Matrix |        |   |    |     |    |   |
|----------------------|--------------------------|-------------------|------------------|---|-------------|--------|---|----|-----|----|---|
| 1. Political         | 9. Contractual           | 5. Almost certain | V. Severe        | E– Extreme risk, immediate action required                        | LIKELIHOOD  | 5      | H | H  | H   | E  | E |
| 2. Scope             | 10. Technical            | 4. Likely         | IV. Major        | H – High risk, will jeopardize project if not managed             |             | 4      | M | M  | H   | E  | E |
| 3. Schedule          | 11. Environmental        | 3. Possible       | III. Moderate    | M – Medium risk, will impact time, cost or quality if not managed |             | 3      | L | M  | M   | H  | E |
| 4. Financial         | 12. Suppliers            | 2. Unlikely       | II. Minor        | L – Low risk, acceptable project management risk, monitor only    |             | 2      | L | L  | M   | H  | H |
| 5. Human Resources   | 13. Industrial relations | 1. Rare           | I. Insignificant |   |             | 1      | L | L  | M   | M  | H |
| 6. Quality           | 14. Organisational       |                   |                  |   |             |        | I | II | III | IV | V |
| 7. Communications    | 15. OH & S               |                   |                  |   |             | IMPACT |   |    |     |    |   |
| 8. Other resources   | 16. Cultural             |                   |                  |   |             |        |   |    |     |    |   |



## PROJECT MANAGEMENT

### Risk Register

Reference : JKR.PMMM.06  
 Page No : 2  
 Issue No : 1  
 Revision No : 0  
 Date : 06.05.2008

| Ref No.<br>(WBS) | Risk Event<br>There is a risk that .....  | Category<br>of Risk | Likelihood<br>Rating | Impact<br>Rating | Risk<br>Rating |
|------------------|---|---------------------|----------------------|------------------|----------------|
|                  | <b>Planning &amp; Procurement</b>   |                     |                      |                  |                |
|                  | 1) If this sites is chosen then it will affect the cost, time, and quality of the project.  | 10                  | 5                    | v                | E              |
|                  | 2) If the contract scopes are not clear then it will affect the construction cost and time and quality of the project.  | 9                   | 4                    | IV               | E              |
|                  | 3) If the safety and health requirements are not properly considered then it will affect the proper function of the hospital.   | 15                  | 5                    | IV               | E              |
|                  | 4) If the scope is not finalised then it will prolong the planning stage and delay the construction and project completion.   | 2                   | 4                    | IV               | E              |
|                  | 5) It there is insufficient budget then the project will be delayed   | 4                   | 4                    | IV               | E              |
|                  | 6) If there is lack of skilled manpower then it will prolong the planning stage and delay the construction and project completion, increase the cost and reduce the quality of the project. | 5                   | 5                    | III              | E              |
|                  | 7) If the is an increase in cost s then it might delay the delivery of project s to the client and reduce the quality of the project.   | 4                   | 5                    | III              | E              |
|                  | 8) If there is ineffective communication between the  | 7                   | 3                    | III              | M              |



## PROJECT MANAGEMENT

### Risk Register

Reference : JKR.PMMM.06  
 Page No : 3  
 Issue No : 1  
 Revision No : 0  
 Date : 06.05.2008

|     |   |    |   |     |   |
|-----|---|----|---|-----|---|
|     | stakeholders might lead to misunderstanding.  |    |   |     |   |
| 9)  | If the design cannot meet client's requirements, the client might not accept the project.   | 10 | 3 | IV  | H |
| 10) | Jika rundingan yuran perunding oleh pihak kontraktor dengan perunding-perunding tidak mengikut norma BEM/LAM dan badan professional yang lain memungkinkan prestasi pihak perunding terjejas. | 4  | 3 | IV  | H |
|     | <b>Design Risk</b>  |    |   |     |   |
| 1)  | If need statement is not comprehensive cause changes in design thus delay in design schedule.   | 2  | 5 | IV  | E |
| 2)  | If incoherence between ministerial policies and operational procedures- additional scope/cost/changes in design.  | 2  | 4 | IV  | E |
| 3)  | If the room data interaction conducted after tender might cause serious cost & design implication   | 4  | 5 | IV  | E |
| 4)  | If there is design fault (Arch./M&E/C&S/planner) may cause a lot of defects/building integrity.   | 10 | 3 | V   | E |
| 5)  | If design information is not sufficient including the electrical equipment physical load might cause structural failure.  | 10 | 3 | IV  | H |
| 6)  | If due to fast changing medical technologies, might cause the out-dated equipment being installed   | 10 | 4 | III | H |



## PROJECT MANAGEMENT

### Risk Register

Reference : JKR.PMMM.06  
 Page No : 4  
 Issue No : 1  
 Revision No : 0  
 Date : 06.05.2008

|  |   |    |   |     |   |
|--|---|----|---|-----|---|
|  | 7) If insufficient design detail – difficulty in construction and increase in cost  | 10 | 3 | IV  | H |
|  | 8) If lack of coordination among JKR project team may cause project delay.  | 14 | 3 | IV  | H |
|  | 9) If brands/model for medical Equipment offered by Contractor does not of Client's preference, changes might cause cost implication to the government. | 4  | 3 | III | M |
|  | 10) If delay in design audit to Contractor might delay in design completion   | 10 | 3 | III | M |
|  | 11) If insufficient space allocated for M&E, might cause difficulty in installation and maintenance of M&E services                                     | 10 | 3 | III | M |
|  | <b>Construction Risk</b>  |    |   |     |   |
|  | 1) If delay in Late Material Approval might cause delay in delivery   | 3  | 3 | III | M |
|  | 2) If there is delay in approval/response and new requirements from local authorities, then may result in redesign and/or delay in implementation.      | 7  | 5 | IV  | E |
|  | 3) If there is shortage of manpower (technical staff and skilled labour) then the quality of workmanship will decreased.                                | 5  | 4 | IV  | E |
|  | 4) If there is delay in delivery of external infra a service by public  | 3  | 4 | IV  | E |



## PROJECT MANAGEMENT

### Risk Register

Reference : JKR.PMMM.06  
 Page No : 5  
 Issue No : 1  
 Revision No : 0  
 Date : 06.05.2008

|  |  |    |   |     |   |
|--|--|----|---|-----|---|
|  | utilities, then the project schedule will be upset and may delay project delivery.   |    |   |     |   |
|  | 5) If changes in end users requirements during construction may require redesign and reworks resulting in delays and variation of works.   | 3  | 3 | IV  | H |
|  | 6) If the main Project Director Representative (CM) is not appointed then there may be lack of proper contract management on behalf of government resulting in poor communication and integration.     | 5  | 5 | III | H |
|  | 7) If there is lack of coordination among the specialist contractor and main contractor might cause services clash   | 3  | 3 | III | M |
|  | 8) Jika Kelewatan kontraktor menyiapkan projek mengikut jadual yang ditetapkan boleh menjejaskan perancangan UniSZA dalam memberikan perkhidmatan klinikal dan rawatan serta latihan dan pembelajaran. | 3  | 4 | IV  | E |
|  | <b>Handover Risks</b>  |    |   |     |   |
|  | 1) If there is late handover from JKR to client then the DLP will less benefit the client  | 3  | 4 | IV  | E |
|  | 2) If the system provided not fully functioning then there will be delayed in handing over   | 10 | 4 | IV  | E |
|  | 3) If incomplete or late submission of Project Documentation   | 9  | 5 | II  | H |



## PROJECT MANAGEMENT

### Risk Register

Reference : JKR.PMMM.06  
Page No : 6  
Issue No : 1  
Revision No : 0  
Date : 06.05.2008

|  |  |    |   |     |   |
|--|--|----|---|-----|---|
|  | then it will affect the operation by the client  |    |   |     |   |
|  | 4) If the issuance of approval by authority is late the handing over will be delayed   | 10 | 3 | IV  | H |
|  | 5) If quality of works does not met the specification, then the client will not accept the project (client point of view) resulting in delaying handing over of the project. | 6  | 3 | III | M |

COMPILED BY: Muhammad Syukri Bin Khasim

SIGNATURE:

REVIEWED: Ir Haizan Bin Hussein

SIGNATURE: