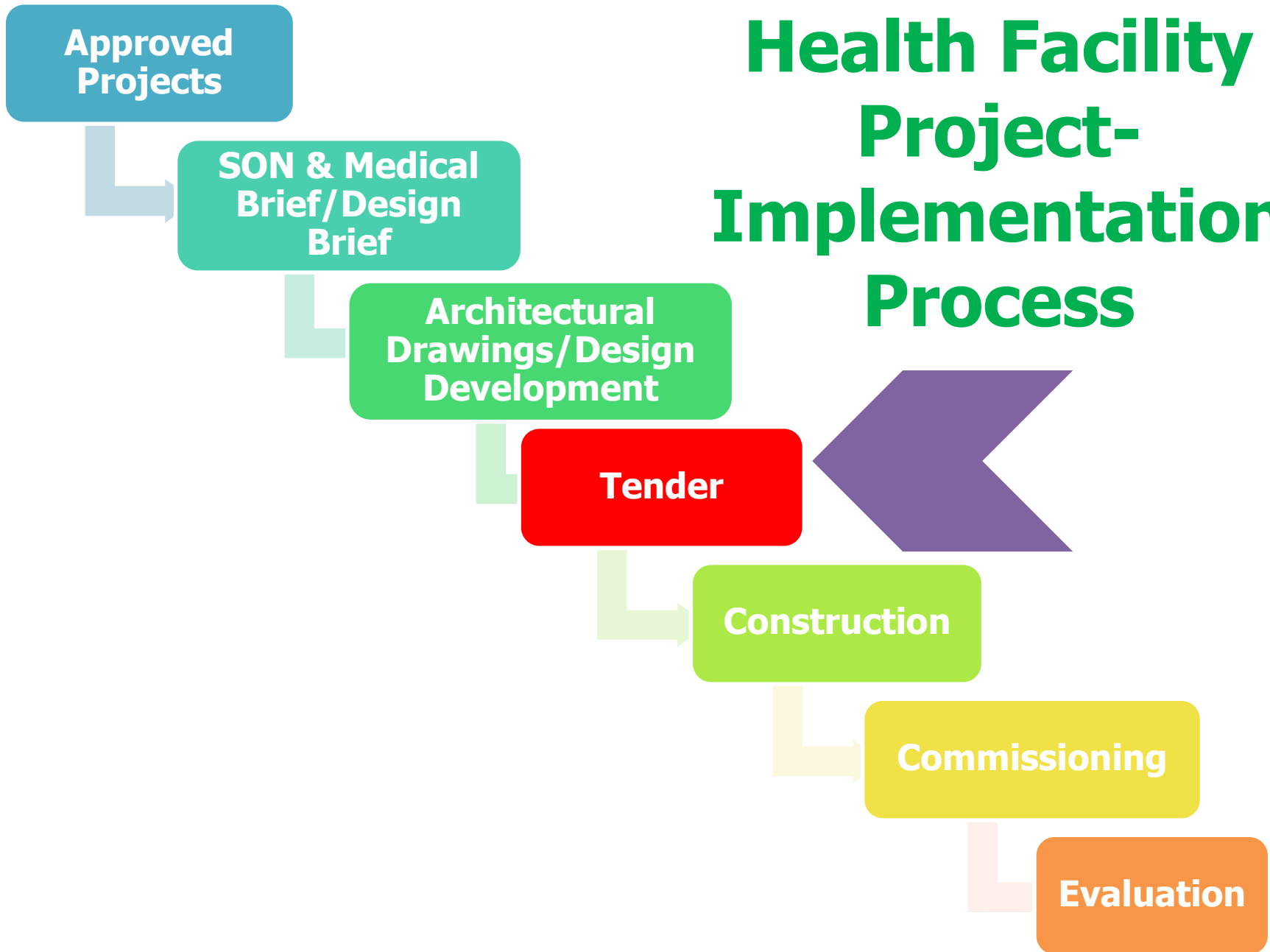


# Tender Evaluation Health Facility Seminar 2016

Unit Perancangan Fasiliti Kesihatan  
Bahagian Perancangan  
Kementerian Kesihatan Malaysia



# Health Facility Project- Implementation Process



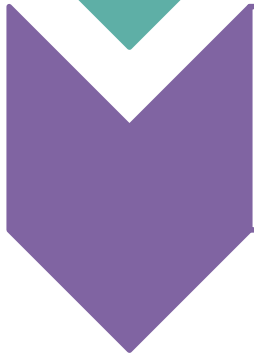
# Call for tender



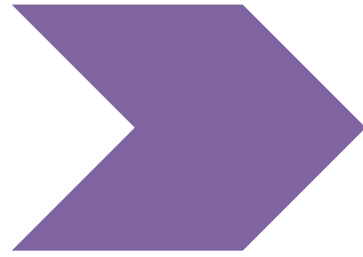
## Tender submission



- Jawatankuasa Penilaian Teknikal



- Subcommittee



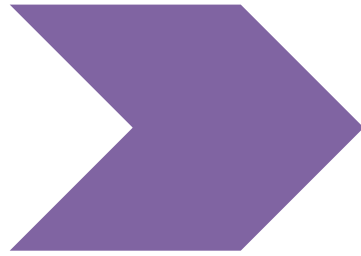
# Who

## Subcommittee

- KKM
  - Health Facility Planning Unit, Planning Division
- User
  - Hospital : Directors, Heads of Relevant Depts
  - JKN : Relevant Division, State Engineer

## Role

- Medical Planner
- Equipment Planner



# When & Where

- Duration
- Venue

SULIT

FORM 3

REPORT SUMMARY: TENDER PROPOSAL EVALUATION – MEDICAL PLANNING (MINISTRY OF HEALTH)

1. PROJECT :

2. COMMITTEE MEMBERS :

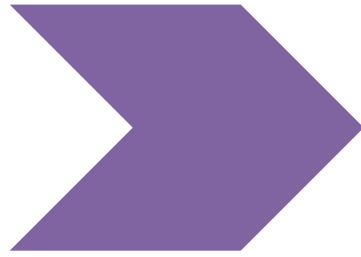
3. DURATION OF EVALUATION PROCESS:

4. CRITERIA AND WEIGHTAGE:

NO	CRITERIA	WEIGHTAGE
1	Master planning	10
2	General/Field Offices	10
	Departmental Zoning	30
	Departmental Layout	30
	Schedule of Services	15
6	Schedule of Accommodation (SOA)	5
	TOTAL	100

➔

**PRIVATE & CONFIDENTIAL**



# What & How

- Based on
  - project statement of needs/brief
  - other standards
  
- Selection Criteria
  - Grading
  - Criteria & weightage

# Grading Score

<b>GRADE</b>	<b>CRITERIA</b>
<b>0</b>	<b>No proposal</b>
<b>1</b>	<b>Unacceptable</b>
<b>2</b>	<b>Require major adjustment</b>
<b>3</b>	<b>Require minor adjustment</b>
<b>4</b>	<b>Fulfill the prebid / above the prebid but no advantage</b>
<b>5</b>	<b>Above the prebid and to the advantage</b>

# Criteria & Weightage

NO	CRITERIA	WEIGHTAGE
1	Master planning / General / Building Zones	5
2	Road systems	5
3	Interdepartmental Zoning	25
4	Intradepartmental Layout	25
5	Schedule of Accommodation and Finishes and other architectural fittings, M&E systems related to medical planning	25
6	Equipment (Group 1)	15
	<b>TOTAL</b>	<b>100</b>

Subject to change



**TENDER PROPOSAL EVALUATION  
PROJECT :**

No	Description	Tenderer References							
		1/8	2/8	3/8	4/8	5/8	6/8	7/8	8/8
1	Masterplanning								
2	General / Building Zones								
3	Departmental Zonings								
4	Departmental Layout								
5	Schedule of Finishes								
6	Schedule of Accomodation								
7.	<b>TOTAL SCORE (500)</b>								
8.	<b>TOTAL %(100%)</b>								
9.	<b>TOTAL (10%)</b>								

**Disediakan oleh :**

.....

**Disemak oleh :**

.....

**Diluluskan oleh :**

.....



**TENDERER REFERENCE:**

NO	CRITERIA	COMMENTS
1	Master planning	
2	General / Building Zones	
3	Departmental Zonings	
4	Departmental Layout	
5	Schedule of Finishes	
6	Schedule of Accommodation ( SOA)	

Disediakan oleh :

Disemak oleh :

Diluluskan oleh :

.....

.....

.....

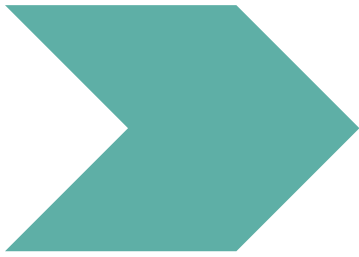
**TENDER PROPOSAL EVALUATION**  
**PROJECT:**

NO	DESCRIPTION	COMMENTS	Weightage	Grade	Score
<b>1.0</b>	<b>MASTERPLANNING</b>		10		
1.1	<u>Building Location :</u> <ul style="list-style-type: none"> <li>- orientation,</li> <li>- facing main road</li> </ul>				
1.2	<u>Road system &amp; Drop off points :</u> <ul style="list-style-type: none"> <li>- access to facilities</li> <li>- internal circular road</li> <li>-sufficient drop off points</li> <li>-covered porch/guardhouse</li> </ul>				
1.3	<u>Car parks :</u> <ul style="list-style-type: none"> <li>-quantity ( MOH norms/local authority requirements)</li> <li>-segregation between staff &amp;public</li> <li>-provision of covered car parks</li> </ul>				
1.4	<u>Future expansion :</u> <ul style="list-style-type: none"> <li>-vertical, horizontal, practicality, relationship / connectivity provision to main block</li> </ul>				
	<b>TOTAL</b>				
<b>2</b>	<b>GENERAL BUILDING ZONES</b>		30		
2.1	Segregation between clinic/residential				
2.2	Associated Buildings (e.g.: waste disposal, M&E Block, Inflammable Store, Support Building, etc..)				
2.3	Additional points: <ul style="list-style-type: none"> <li>- Total floor Area</li> <li>- Staff recreational</li> <li>- Therapeutic garden</li> </ul>				
	<b>TOTAL</b>				

<b>3</b>	<b>DEPARTMENTAL ZONINGS</b>		<b>30</b>		
3.1	Availability of all dept.				
3.2	Main dept. zonings				
3.3	Other dept. zonings				
3.4	Accessibility: -direct vehicles -patient -public				
3.5	Location & Groupings: -public amenities -support services				
3.6	Location of medical stores				
3.7	Proposed sharing of services/rooms: -practicality -ease of use -overall cost savings				
	<b>TOTAL</b>				
<b>4</b>	<b>DEPARTMENTAL LAYOUT</b>		<b>30</b>		
4.1	Completeness of SOA				
4.2	Room Adjacencies				
4.3	Zonings / Groupings of Rooms: -patient -public -staffs -M&E				

4.4	Flow : -Patient Staff -Material				
4.5	Provision of windows: -Patient bed areas ( C/E rooms) -staff areas -public areas				
4.6	Infection control: -clinical sink, scrub troughs -isolation rooms/DU/Disposal				
	<b>TOTAL</b>				
5.	<b>Schedule of Finishes</b>		15		
5.1	<b>Suitability of floor finishes</b> -clinical requirements -ease of maintenance				
5.2	<b>Suitability of wall Finishes</b> -types of paints i.e epoxy/washable paint in clinical areas -special paint in sterile areas i.e OTs, CSSD				
5.3	<b>Suitability of Ceiling Finishes</b> -appropriateness i.e plaster seiling in clean/sterile areas eg burns, isolation, CSSD, OTs				
	<b>TOTAL</b>		5		
6.	<b>SCHEDULE OF ACCOMMODATION ( SOA)</b>				
6.1	Completeness				
6.2	Adequacy of room sizes :				

	-MOH norms / standards -EPU guidelines				
	<b>TOTAL</b>				



# Medical Equipment

	<b>Group I Mechanical Related</b>			
	- Adequacy (complete in accessories)		50	
	- Proposed brand / optional brand		30	
	- Brochure		20	
	<b>Total</b>		100	
	<b>Group I Electrical Related</b>			
	- Adequacy (complete in accessories)		50	
	- Proposed brand / optional brand		30	
	- Brochure		20	
	<b>Total</b>		100	

**TENDERER REFERENCE 1/7**

BIL		COMMENTS	WEIGHTAGE	SCORING	TOTAL
1	MASTER PLANNING/GENERAL/BUILDING ZONES 10				
(a)	Design Concept	<ul style="list-style-type: none"><li>• 2 storey building with all ward located at 2<sup>nd</sup> floor</li><li>• Unclear connectivity between old and new building. Covered walkway should be connected on existing building.</li><li>• Clear segregation between inpatient and other component of new block.</li><li>• Roofing system using metal deck (nearly flat type) with hidden rain gutter - leaking problem might occurred if not properly serviced</li></ul>	4	3	12
(b)	Building location	<ul style="list-style-type: none"><li>• Facing main road &amp; solar orientated.</li><li>• Easy access by vehicles and pedestrian from public transport station</li></ul>	4	3	12
(c)	Fencing between hospital & residential	<ul style="list-style-type: none"><li>• Chainlink fence even at front area.</li></ul>	4	2	8
(d)	Associated buildings	<ul style="list-style-type: none"><li>• LPG System not included.</li></ul>	4	2	8
(e)	Future Expansion	<ul style="list-style-type: none"><li>• All area fully occupied ( no future expansion identified)</li></ul>	4	0	0
2	ACCESSIBILITY 10				
(a)	Road system & drop off points	<ul style="list-style-type: none"><li>• Separate staff and public entrance/exit.</li><li>• Guardhouse is available</li><li>• Clear access to A/E</li><li>• Covered porch is available</li></ul>	5	3	15
(b)	Car parks	<ul style="list-style-type: none"><li>• Fairly adequate for staff</li><li>• Unclear provision car parks for hospital</li></ul>	5	3	15

		<p>vehicles and HOD.</p> <ul style="list-style-type: none"> <li>• Clear segregation between staff and public parking.</li> </ul>			
BIL	DESCRIPTION	COMMENTS	WEIGHTAGE	SCORING	TOTAL
3	INTERDEPARTMENTAL ZONING 30				
(a)	Relationship between main departments	<ul style="list-style-type: none"> <li>• There is no direct access between A&amp;E and OT. Patient from A&amp;E need to go through public area before reaching ot and it take a lot of time.</li> <li>• Catering department is not appropriate situated, too near to A/E, Pathology Dept and medical gas plant room. Catering also too far from lift.</li> </ul>	5	2	10
(b)	Other dept zoning	<ul style="list-style-type: none"> <li>• Admin &amp; satellite pharmacy should be moved to 2<sup>nd</sup> level.</li> </ul>	5	2	10
(c)	Accessibility to departments	<ul style="list-style-type: none"> <li>• Clear accessibility</li> </ul>	4	3	12
(d)	Location & Grouping of public amenities	<ul style="list-style-type: none"> <li>• Café is located at front area near to ot dept and don't have direct access from inside the building.</li> </ul>	4	2	8
(e)	Location & groupings of support services	<ul style="list-style-type: none"> <li>• LPG System plant room not available in drawing.</li> </ul>	4	2	8
(f)	Proposed sharing of services/rooms	<ul style="list-style-type: none"> <li>• Unclearly written.</li> </ul>	4	0	0
(g)	Security/privacy aspect	<ul style="list-style-type: none"> <li>• Minimal mix of inpatient and public flow</li> <li>• Control access to inpatient areas/corridors.</li> </ul>	4	3	12
4	INTRADEPARTMENTAL LAYOUT 30				
(a) & (b)	Level 1: A/E	<ul style="list-style-type: none"> <li>• All equipment not clearly stated</li> <li>• Yellow zone don't have nurses counter.</li> </ul>	15	2	30
	Level 1 : Imaging	<ul style="list-style-type: none"> <li>• All equipment not clearly stated.</li> </ul>			



BIL	DESCRIPTION	COMMENTS	WEIGHTAGE	SCORING	TOTAL
		<ul style="list-style-type: none"> <li>Subwait area is missing.</li> <li>2 General X ray rooms but unsure whether one room is equipped with OPG</li> </ul>			
	Level 1: Pharmacy	<ul style="list-style-type: none"> <li>All equipment not clearly stated</li> </ul>			
	Level 1: Pathology Lab and Blood Bank	<ul style="list-style-type: none"> <li>All equipment not clearly stated</li> <li>Subwait area are missing.</li> </ul>			
	Level 1 : Catering	<ul style="list-style-type: none"> <li>Location is not suitable.</li> <li>There is no wall drawn on plan for day store and disposal room.</li> <li>LPG System Plant Room not mentioned on plan.</li> <li>Cooking area near to red zone A&amp;E Dept and Medical Gas Plan Room.</li> <li>Pathway to deliver inpatient dietaries not suitable. Too far from lift.</li> </ul>			
	Level 1 : OT	<ul style="list-style-type: none"> <li>All equipment not clearly stated</li> </ul>			
	Level 1 : CSSD	<ul style="list-style-type: none"> <li>All equipment not clearly stated</li> </ul>			
	Level 1 : Admin	<ul style="list-style-type: none"> <li>All equipment not clearly stated</li> <li>Location at 1<sup>st</sup> floor not suitable.</li> </ul>			
	Level 2: Paediatric ward	<ul style="list-style-type: none"> <li>All equipment not clearly stated</li> <li>Emergency door near staircase should not be inside refuge room.</li> <li>Staff change room sharing with other wards.</li> <li>Prayer rooms sharing with others wards and public.</li> </ul>			
	Level 2: Male ward	<ul style="list-style-type: none"> <li>All equipment not clearly stated</li> <li>Emergency door near staircase should not be inside refuge room.</li> <li>Staff change room sharing with other</li> </ul>			

		wards. <ul style="list-style-type: none"> <li>Prayer rooms sharing with others wards and public.</li> </ul>			
	Level 2:Female ward	<ul style="list-style-type: none"> <li>All equipment not clearly stated</li> <li>Emergency door near staircase should not be inside refuge room.</li> <li>Staff change room sharing with other wards</li> <li>Prayer rooms sharing with others wards and public.</li> </ul>			
(c-e)	General	<ul style="list-style-type: none"> <li>Patient flow is acceptable except from red zone to OT.</li> <li>Staff flow from existing building interrupted</li> </ul>	10	2	20
(f-i)		<ul style="list-style-type: none"> <li>Provision of windows in patients beds,staff and public areas are not clear.</li> <li>Clinical sinks and other equipment related not clearly stated in the drawing.</li> </ul>	5	2	10
05	SCHEDULE OF ACCOMODATION AND FINISHES 10				
(a)	Completeness of departments as per MBOR		2	4	8
(b)	Completeness of SOA per departmet	<ul style="list-style-type: none"> <li>SOA not complete due to some missing area and rooms.</li> </ul>	2	2	4
(c)	Room/space sizes	<ul style="list-style-type: none"> <li>There was certain spaces not follow as SOA.</li> </ul>	2	2	4
(d)	Suitable of finishes	<ul style="list-style-type: none"> <li>Xray room not using POLYURETHANE PANEL WITHBARIUM PLASTER for wall finishing.</li> <li>Most area on preparation &amp; cooking area using vinyl sheet.</li> <li>Meeting &amp; seminar room need to change flooring, skirting and ceiling type.</li> </ul>	2	2	4
(e)	Suitable of architectural fittings	<ul style="list-style-type: none"> <li>No submission</li> </ul>	1	0	0
(f)	Suitability of engineering systems	<ul style="list-style-type: none"> <li>MGPS located too near to cooking area.</li> <li>Service area not located at same area.</li> </ul>	1	2	2
		<b>TOTAL</b>	100		<b>212</b>

**REPORT SUMMARY: TENDER PROPOSAL EVALUATION – MEDICAL  
PLANNING (MINISTRY OF HEALTH)**

1. PROJECT : NAIKTARAF HOSPITAL X

2. COMMITTEE MEMBERS :

1. DR A
2. DR B
3. DR C
4. PUAN D
5. EN E
6. EN F
7. PUAN G

3. DURATION OF EVALUATION PROCESS :13 -15 June 2016

4. CRITERIA AND WEIGHTAGE : As below;

NO	CRITERIA	WEIGHTAGE
1	Master planning / General / Building Zones	20
2	Road systems – Ingress & egress, internal road systems, drop-off points, carparks	10
3	Interdepartmental Zoning	30
4	Intradepartmental Layout	30
5	Schedule of Accommodation and Finishes and other architectural fittings, M&E systems related to medical planning	10
	<b>TOTAL</b>	<b>100</b>

5. SCORING CRITERIA:

GRADE	CRITERIA
0	No proposal
1	Unacceptable
2	Require major adjustment
3	Require minor adjustment
4	Fulfill the prebid / above the prebid but no advantage
5	Above the prebid and to the advantage

DISEDIAKAN OLEH:

(DR A)

DISEMAK OLEH:

(DR B)

DILULUSKAN OLEH:

(DATO' C)

**TENDER PROPOSAL EVALUATION  
PROJECT : NAIKTARAF HOSPITAL X**

No	Description							
		1/7	2/7	3/7	4/7	5/7	6/7	7/7
1	Master planning / General / Building Zones	38	-	39	49	39	31	-
2	Road systems	30	-	20	30	20	25	-
3	Inter-departmental Zonings	64	-	69	69	69	64	-
4	Intra-departmental Layout	51	-	63	63	63	57	-
5	Schedule of Accommodation and Finishes and other architectural fittings	30	-	28	28	28	30	-
7.	<b>TOTAL SCORE</b>	<b>213</b>	<b>-</b>	<b>219</b>	<b>239</b>	<b>219</b>	<b>207</b>	<b>-</b>
8.	<b>TOTAL %</b>	<b>42.6</b>	<b>-</b>	<b>43.8</b>	<b>47.8</b>	<b>43.8</b>	<b>41.4</b>	<b>-</b>
9.	<b>TOTAL (15%)</b>	<b>6.3</b>	<b>Only prebid document submitted</b>	<b>6.5</b>	<b>7.17</b>	<b>6.5</b>	<b>6.2</b>	<b>No submission</b>

Disediakan oleh:

DR A

Disemak oleh:

DR B

**TENDERER REFERENCE : 1/7**

NO	CRITERIA	COMMENT S
1	Master planning / General / Building Zones	-New entrance proposed and covered link-way between new and existing block indicated however unclear. -2 storey building proposed facing the main road and Emergency Department drop off facing the existing hospital block. - M&E plant room proposed very near catering department and this not acceptable.
2	Accessibility - Ingress & egress, internal road systems, drop-off points, carparks	Proposal fairly acceptable however require adjustment. Covered staff parking proposed in front of Emergency Department and this is inappropriate and require adjustment.
3	Interdepartmental Zoning	Generally require major adjustment for a better patient, staff and service flow .Deep planning.
4	Intradepartmental Layout	The proposed intradepartmental layout in certain departments is very inefficient and requires re-planning, re-arranging and re-designing of those departments to be able to meet the medical brief requirements.
5	Schedule of Accommodation and Finishes and other architectural fittings related to medical planning	Fairly acceptable but certain areas require major adjustments. Revision of rooms sizes required in accordance to MOH and EPU standard norms and guidelines.

DISEDIAKAN OLEH:

(DR A)

DI SEMAK OLEH:

(DR B)

DILULUSKAN OLEH:

(DATO'C)



# Tender Evaluation Report



- Tender Board

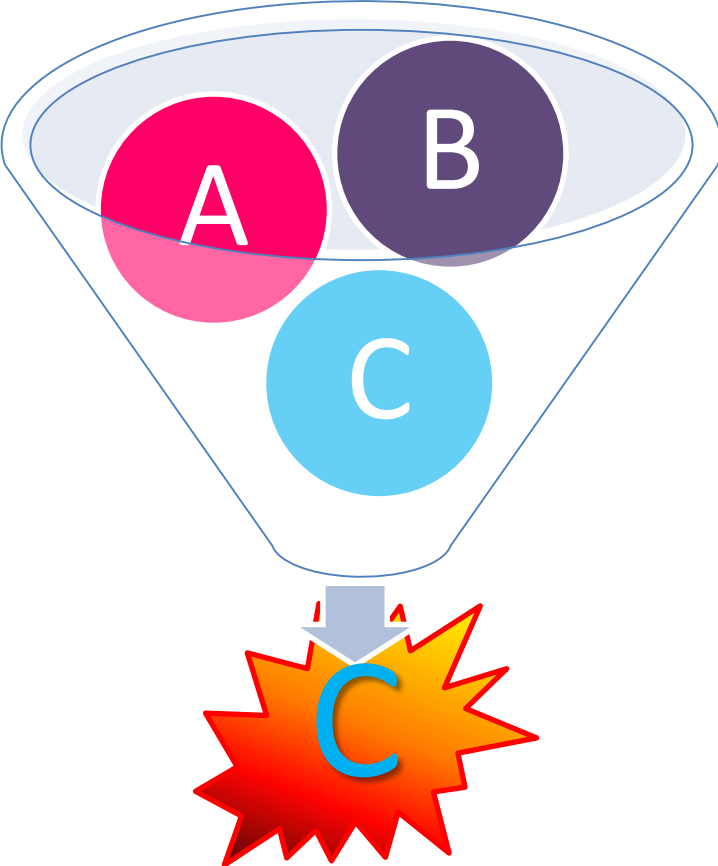


- Jawatankuasa Penilaian Teknikal



- Subcommittee





# Noncompliance Report (NCR)

## NONCOMPLIANCE REPORT

**PROJECT:**

**TENDERER :**

ITEM	DESCRIPTION	TENDERER PROPOSAL	MOH Comments	NOTE
1.	Master planning			
	<b>Building location</b> <ul style="list-style-type: none"><li>- orientation</li><li>- facing main road</li><li>-</li></ul>			
	<b>Road system &amp; drop-off points</b> <ul style="list-style-type: none"><li>- access to facilities</li><li>- separate access for services</li><li>- internal circular road</li><li>- traffic distribution</li><li>- sufficient drop off points</li><li>- covered porch</li><li>- other special requirements</li><li>- guardhouse</li></ul>			
	<b>Car-Parks</b> <ul style="list-style-type: none"><li>- quantity (MOH norms/local authority)</li></ul>			



**Thank you**

Fatimah Azzahra Kamarudin  
fatimah.azzahra.moh@1govuc.gov.my

