

COMPARATIVE SPACES OF LABOUR & DELIVERY UNIT (OF THE MATERNITY SERVICES) BY LEVELS OF CARE

Legend : from drawings(*) , briefs(**) and visits (#),

Stds as in O&G (1990) policies	HOSPITALS						
	Penang (#)	Alor Setar, Kedah (*)	Pandan, Johor(*)	Temerloh, Pahang (*)(**)	Gua Musang, Kelantan (*)	Pekan, Pahang (*) (#)	Setiu, Trengganu (*)
Status	Refurbished	New / Replaced	New	New/Replaced	New/ expand	New/replaced	New*
Type	Secondary/ Tertiary (General/ State/ Regional)	Secondary/ Tertiary (State/General)	Secondary/ Tertiary (General)	Secondary/ Tertiary (General)	Secondary (District w/o Specialist)	Secondary (District w/o specialist)	Secondary (District w/o specialist)
Location in Hospital	Grd Floor/ adj to Maternity ward	Level 2, adj to Maternity Ots(2nos) and NICU	Level 4, adj to NICU and Maternity OT (2 nos)	First Floor adj to Maternity OTs (2 nos) and NICU	Grd Floor /adj to Maternity ward	Grd Floor /adj to Maternity ward	Level 2, Adj to General OT and Female Ward
No of Beds	1090	660	704	498	150 ¹	108	76
Catchment population/serves	Penang, Kedah, North Perak	Kedah	Johor Bharu, Johor (2 nd State Hospital)	Central Pahang, (2 nd State Hospital)	Gua Musang / Felda	114,572 (2004) north of Rompin	na
No of delivery beds	6	18	17	14	6	6	4
Spaces							
Entrance /Drop off/Lobby	√	√ through dedicated lift + emergency store	√ through dedicated lift + emergency store	√	√	√	√ direct access at level 2
Reception/ Registration/ Record	√ at the lobby, outside LDU	√	√	√ + emergency store	√	√	√
Relatives Waiting Area & public toilet	√ Shared with other	√	√	√ with children play area	√ with trolley park	√	√ with trolley park
History taking /Examination	√	nil	√	nil	√	√	√
Patient Change, Toilet	nil	√		√	√	√	nil
Assessment/ Preparation/ Enema	√	√ (6 beds) with history taking	√ (6 beds) with history taking	√ (4 beds) with history taking	√ (2beds)	√	√

¹ To be confirmed

Stds as in O&G (1990) policies	HOSPITALS						
	Penang (#)	Alor Setar, Kedah (*)	Pandan, Johor(*)	Temerloh, Pahang (*)(**)	Gua Musang, Kelantan (*)	Pekan, Pahang (*) (#)	Setiu, Trengganu (*)
Patients' Lounge with toilet	nil	√	√	√	√	√	√ (without toilet)
Labour Delivery Room (LDR)	√	√ (with shared toilet)	√ (with shared toilet)	√ (with shared toilet)	√ (with shared toilet)	√ (with shared toilet)	√ (with shared toilet)
Staff Base	√	√	√	√ 2 nos (internal and at the reception/ assessment)	√	√	√
Baby Resuscitation	√ with assessment*	√	√ (2nos)	√	√ with assessment*	√	√ with assessment*
Baby Assessment/ Wash Area		√	√	√	nil	√	Nil
Pantry	nil	√	√	√	nil	√	Nil
Doctor's Office	√	√	√	√ Shared with Maternity OT	√	√	√
Sister's Office	√	√	√	√ Shared with Maternity OT	√	√	√
Staff Toilet	√	nil	nil	√	√	√	√
Staff Rest		√	√	√ Shared with Maternity OT	√	√	√
Staff Change (with toilet)	Nil	√	√	√ Shared with Maternity OT	√	√	√
Prayer Room	Nil	√	√	√ Shared with Maternity OT	√	√	√
Trolley park	Outside	√	√	√	√	√	Nil
Equipment Park	√	√	√	√	√	√	√
General Store	Nil	√	√	√	√	√	√
Linen Store/Room	√	√	√	√	√	√	√
Cleaners Store	Nil	√	√	√	√	√	√
Disposal Holding	Nil	√	√	√	√	√	√

Stds as in O& G (1990) policies	HOSPITALS						
	Penang (#)	Alor Setar, Kedah (*)	Pandan, Johor(*)	Temerloh, Pahang (*)(**)	Gua Musang, Kelantan (*)	Pekan, Pahang (*) (#)	Setiu, Trengganu (*)
Other (to be listed)	Observation beds	Seminar Room Oncall Rooms Communication Room	Seminar Room Oncall Rooms Sterile Store	Porter's room Oncall Rooms shared with Maternity OT Sterile Store Seminar Room Communication Room	Basinet wash room	nil	nil

Notes: The physical differences in the facility of differing level of care lies in the number of Labour Delivery Room (LDR) provision and additional spaces such as for training (seminar). When a facility is smaller, a number of activities are done within the same space. Huge or extensive LDU will witness the repeat of the space provision for certain important activities such as resuscitation area and even staff base.

With exception of smaller hospitals, most layouts are deep plan with LDRooms and other habitable rooms having no access to daylight or view. Configuration of spaces, especially the LDR, also differs in different hospitals. Some LDRs are elongated and some are square shape. As the study did not record the sizes, only the loaded drawings with equipments provide some indication on the adequacy of the spaces. The study did not detect any cultural influence. Basically the layout is clinically based. However, the study denote Gua Musang Hospital to be more father friendly than most other designs in terms of the generosity of space. On other projects, although due constraints only known to the designers, the concept of mother friendly, baby friendly and father friendly are yet to be assimilated in the spaces and the layout.