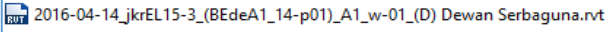
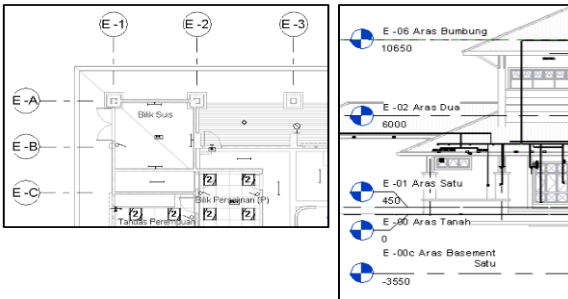


## BORANG SEMAKAN AUDIT BIM DELIVERABLES

|                          |                                   |                 |                   |
|--------------------------|-----------------------------------|-----------------|-------------------|
| <b>Projek</b>            | : Hospital Kemaman Terengganu     | <b>Fasa</b>     | : Tender Proposal |
| <b>Kontraktor</b>        | : ABC Sdn Bhd                     | <b>WPD</b>      | : Faiz Kamal      |
| <b>Nama Deliverables</b> | : Electrical Model (LOD 300)-.rvt | <b>Disiplin</b> | : Elektrik        |
| <b>No. Fail Model</b>    | : jkr15EL_Kemaman                 | <b>Tarikh</b>   | : Apr-16          |
| <b>Blok Bangunan</b>     | : Pentadbiran                     |                 |                   |

## Model Quality

| No        | Keterangan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Weightage<br>(30%)                                                                                            | Kepatuhan      |       | Catatan                                                        |     |        |      |         |        |   |   |       |   |   |          |        |   |      |       |   |      |           |        |                                                                                                             |   |       |                                                                                                               |   |          |        |                                       |   |       |                                       |   |  |  |  |  |
|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|----------------|-------|----------------------------------------------------------------|-----|--------|------|---------|--------|---|---|-------|---|---|----------|--------|---|------|-------|---|------|-----------|--------|-------------------------------------------------------------------------------------------------------------|---|-------|---------------------------------------------------------------------------------------------------------------|---|----------|--------|---------------------------------------|---|-------|---------------------------------------|---|--|--|--|--|
|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                               | Ya             | Tidak |                                                                |     |        |      |         |        |   |   |       |   |   |          |        |   |      |       |   |      |           |        |                                                                                                             |   |       |                                                                                                               |   |          |        |                                       |   |       |                                       |   |  |  |  |  |
| a         | Mengikut rekabentuk elektrik yang ditetapkan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                               |                |       |                                                                |     |        |      |         |        |   |   |       |   |   |          |        |   |      |       |   |      |           |        |                                                                                                             |   |       |                                                                                                               |   |          |        |                                       |   |       |                                       |   |  |  |  |  |
| b         | Fail model elektrik dinamakan mengikut Garis Panduan BIM JKR dan Piawaian BIM JKR.<br><div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                               |                |       | Jika tidak, namakan Garis Panduan atau Piawaian yang digunakan |     |        |      |         |        |   |   |       |   |   |          |        |   |      |       |   |      |           |        |                                                                                                             |   |       |                                                                                                               |   |          |        |                                       |   |       |                                       |   |  |  |  |  |
| c         | Struktur Model BIM mengikut aturan yang mudah diuruskan. Contohnya Sistem Elektrik didalam sesebuah bangunan dibahagikan mengikut zon, aras dan mengikut sub-sistem iaitu LV, ELV & ICT.<br><table><tr><th rowspan="2">DISIPLIN</th><th colspan="3">STRUKTUR MODEL</th></tr><tr><th>ZON</th><th>SISTEM</th><th>ARAS</th></tr><tr><td rowspan="2">Arkitek</td><td>Podium</td><td>-</td><td>-</td></tr><tr><td>Tower</td><td>-</td><td>-</td></tr><tr><td rowspan="2">Struktur</td><td>Podium</td><td>-</td><td>Aras</td></tr><tr><td>Tower</td><td>-</td><td>Aras</td></tr><tr><td rowspan="2">Mekanikal</td><td>Podium</td><td>Heating Ventilation Air Conditioning (HVAC),<br/>Cold Water (CW),<br/>Fire Protection (FP) &amp;<br/>Sanitary (SN)</td><td>-</td></tr><tr><td>Tower</td><td>Heating Ventilation &amp; Air Conditioning (HVAC),<br/>Cold Water (CW),<br/>Fire Protection (FP) &amp;<br/>Sanitary (SN)</td><td>-</td></tr><tr><td rowspan="2">Elektrik</td><td>Podium</td><td>Sistem LV<br/>Sistem ELV<br/>Sistem ICT</td><td>-</td></tr><tr><td>Tower</td><td>Sistem LV<br/>Sistem ELV<br/>Sistem ICT</td><td>-</td></tr></table> | DISIPLIN                                                                                                      | STRUKTUR MODEL |       |                                                                | ZON | SISTEM | ARAS | Arkitek | Podium | - | - | Tower | - | - | Struktur | Podium | - | Aras | Tower | - | Aras | Mekanikal | Podium | Heating Ventilation Air Conditioning (HVAC),<br>Cold Water (CW),<br>Fire Protection (FP) &<br>Sanitary (SN) | - | Tower | Heating Ventilation & Air Conditioning (HVAC),<br>Cold Water (CW),<br>Fire Protection (FP) &<br>Sanitary (SN) | - | Elektrik | Podium | Sistem LV<br>Sistem ELV<br>Sistem ICT | - | Tower | Sistem LV<br>Sistem ELV<br>Sistem ICT | - |  |  |  |  |
| DISIPLIN  | STRUKTUR MODEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                               |                |       |                                                                |     |        |      |         |        |   |   |       |   |   |          |        |   |      |       |   |      |           |        |                                                                                                             |   |       |                                                                                                               |   |          |        |                                       |   |       |                                       |   |  |  |  |  |
|           | ZON                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | SISTEM                                                                                                        | ARAS           |       |                                                                |     |        |      |         |        |   |   |       |   |   |          |        |   |      |       |   |      |           |        |                                                                                                             |   |       |                                                                                                               |   |          |        |                                       |   |       |                                       |   |  |  |  |  |
| Arkitek   | Podium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                                                                             | -              |       |                                                                |     |        |      |         |        |   |   |       |   |   |          |        |   |      |       |   |      |           |        |                                                                                                             |   |       |                                                                                                               |   |          |        |                                       |   |       |                                       |   |  |  |  |  |
|           | Tower                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                             | -              |       |                                                                |     |        |      |         |        |   |   |       |   |   |          |        |   |      |       |   |      |           |        |                                                                                                             |   |       |                                                                                                               |   |          |        |                                       |   |       |                                       |   |  |  |  |  |
| Struktur  | Podium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | -                                                                                                             | Aras           |       |                                                                |     |        |      |         |        |   |   |       |   |   |          |        |   |      |       |   |      |           |        |                                                                                                             |   |       |                                                                                                               |   |          |        |                                       |   |       |                                       |   |  |  |  |  |
|           | Tower                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | -                                                                                                             | Aras           |       |                                                                |     |        |      |         |        |   |   |       |   |   |          |        |   |      |       |   |      |           |        |                                                                                                             |   |       |                                                                                                               |   |          |        |                                       |   |       |                                       |   |  |  |  |  |
| Mekanikal | Podium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Heating Ventilation Air Conditioning (HVAC),<br>Cold Water (CW),<br>Fire Protection (FP) &<br>Sanitary (SN)   | -              |       |                                                                |     |        |      |         |        |   |   |       |   |   |          |        |   |      |       |   |      |           |        |                                                                                                             |   |       |                                                                                                               |   |          |        |                                       |   |       |                                       |   |  |  |  |  |
|           | Tower                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Heating Ventilation & Air Conditioning (HVAC),<br>Cold Water (CW),<br>Fire Protection (FP) &<br>Sanitary (SN) | -              |       |                                                                |     |        |      |         |        |   |   |       |   |   |          |        |   |      |       |   |      |           |        |                                                                                                             |   |       |                                                                                                               |   |          |        |                                       |   |       |                                       |   |  |  |  |  |
| Elektrik  | Podium                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sistem LV<br>Sistem ELV<br>Sistem ICT                                                                         | -              |       |                                                                |     |        |      |         |        |   |   |       |   |   |          |        |   |      |       |   |      |           |        |                                                                                                             |   |       |                                                                                                               |   |          |        |                                       |   |       |                                       |   |  |  |  |  |
|           | Tower                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Sistem LV<br>Sistem ELV<br>Sistem ICT                                                                         | -              |       |                                                                |     |        |      |         |        |   |   |       |   |   |          |        |   |      |       |   |      |           |        |                                                                                                             |   |       |                                                                                                               |   |          |        |                                       |   |       |                                       |   |  |  |  |  |
| d         | Model elektrik menggunakan <i>gridlines</i> dan <i>levels</i> model arkitek<br><div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                               |                |       |                                                                |     |        |      |         |        |   |   |       |   |   |          |        |   |      |       |   |      |           |        |                                                                                                             |   |       |                                                                                                               |   |          |        |                                       |   |       |                                       |   |  |  |  |  |

|   |                                                                                                             |  |  |  |  |
|---|-------------------------------------------------------------------------------------------------------------|--|--|--|--|
| e | Elemen/Komponen elektrik hendaklah diletakkan kepada host yang betul (contoh host: dinding, siling, lantai) |  |  |  |  |
| f | Model dan komponen elektrik mematuhi penggunaan konvensyen penamaan.                                        |  |  |  |  |
| g | Penggunaan Visibility/Graphics yang betul                                                                   |  |  |  |  |
| h | Elemen/komponen elektrik yang dimodelkan tidak menggunakan model in place                                   |  |  |  |  |

Disediakan oleh: .....  
(Wakil HODT/WPD)

Disemak oleh: .....  
(Wakil HODT/WPD)