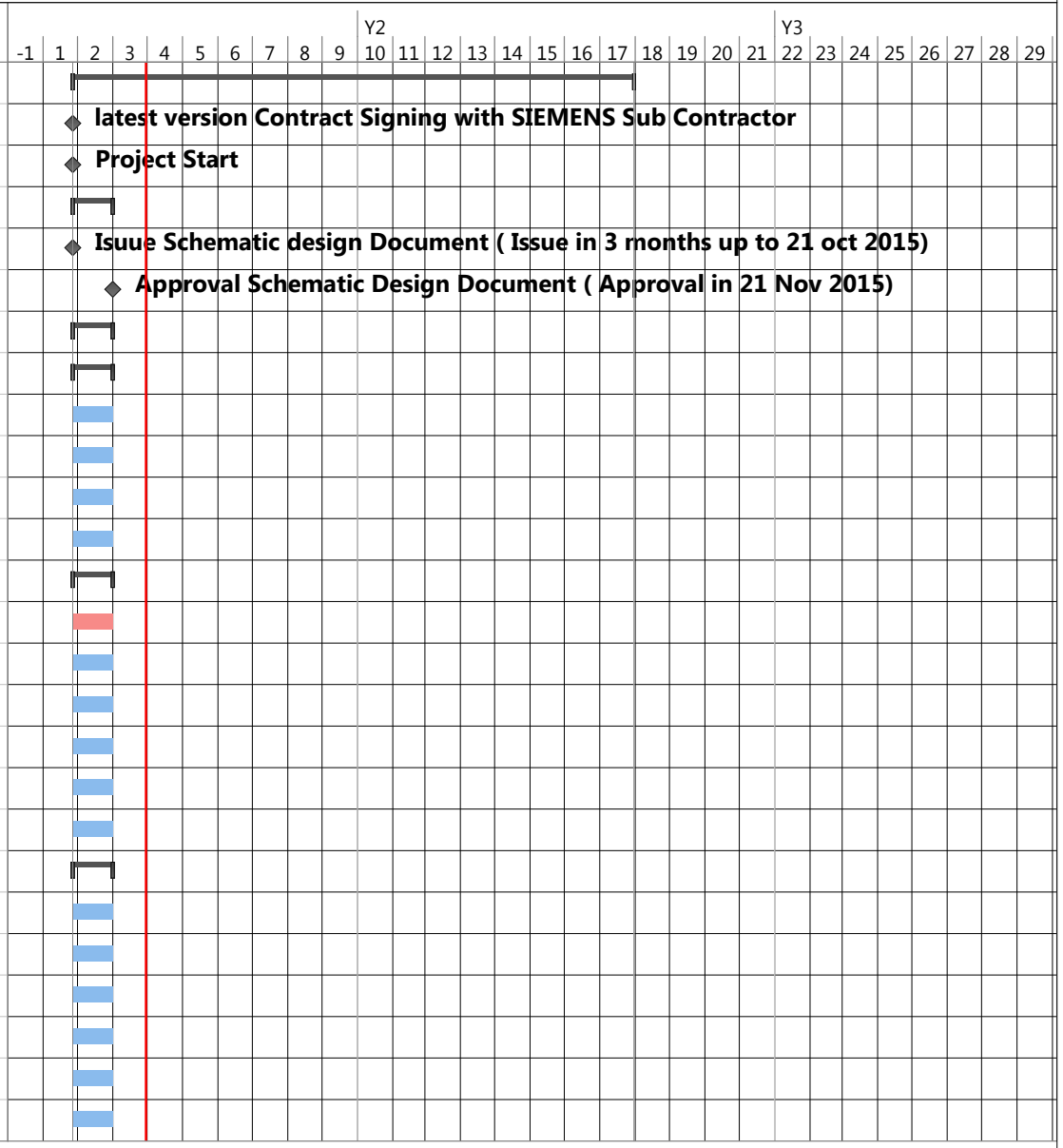
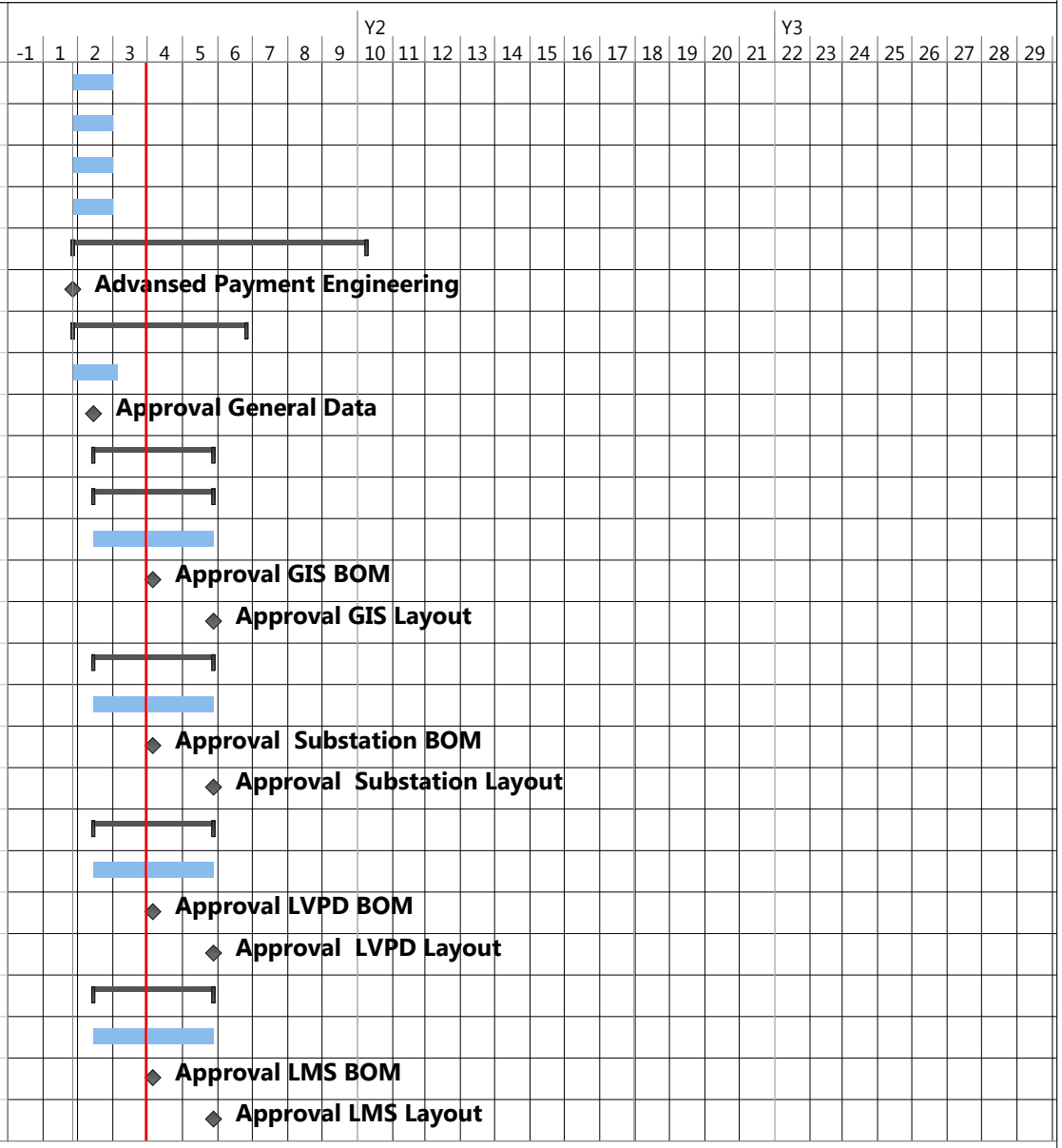
# IRAN MALL BMS PROJECT

| ID | Task Name | Duration |
|---|---|---|
| 1 | **IRAN MALL PROJECT - BUILDING MANAGEMENT SYSTEM** | **421 days** |
| 2 | latest version Contract Signing with SIEMENS Sub | 0 days |
| 3 | Project Start | 0 days |
| 4 | **Schematic Design** | **30 days** |
| 5 | Isuue Schematic design Document ( Issue in 3 months | 0 days |
| 6 | Approval Schematic Design Document ( Approval in 21 | 0 days |
| 7 | **INITIAL data** | **30 days** |
| 8 | **Electrical System INITIAL DATA** | **30 days** |
| 9 | GIS 63/20 KV | 30 days |
| 10 | SUBSTATIONS | 30 days |
| 11 | LV POWER DISTRIBUTION | 30 days |
| 12 | LIGHTING CONTROL & MANAGEMENT SYSTEM | 30 days |
| 13 | **Mecanical System INITIAL DATA** | **30 days** |
| 14 | Ventilation Initial Data | 30 days |
| 15 | Clearstory Windows Initial Data | 30 days |
| 16 | Chillers Initial Data | 30 days |
| 17 | Water Systems Initial Data | 30 days |
| 18 | Boilers Initial Data | 30 days |
| 19 | Hotel Mechanical Systems Initial Data | 30 days |
| 20 | **3-D party supplied systems Initial Data** | **30 days** |
| 21 | ICE RINK | 30 days |
| 22 | NATURAL GAS MONITORING SISTEM | 30 days |
| 23 | UTILITIES METTERING | 30 days |
| 24 | PARCING VENTELATION SISTEM | 30 days |
| 25 | ELEVATOR &ESCALATOR | 30 days |
| 26 | SEWAGE WATER TRETMENT | 30 days |



# IRAN MALL BMS PROJECT

| ID | Task Name | Duration |
|---|---|---|
| 27 | FIRE ALARMING | 30 days |
| 28 | FIRE DAMPING | 30 days |
| 29 | HEAT TRACING | 30 days |
| 30 | WEATHER FORECAST STATION | 30 days |
| 31 | **Engineering** | **220 days** |
| 32 | Advansed Payment Engineering | 0 days |
| 33 | **BMS Detail Design** | **130 days** |
| 34 | General Data | 33 days |
| 35 | Approval General Data | 0 days |
| 36 | **Electrical System Detail Design** | **90 days** |
| 37 | **GIS 63/20 KV** | **90 days** |
| 38 | GIS 63/20 KV Detail Design | 90 days |
| 39 | Approval GIS BOM | 0 days |
| 40 | Approval GIS Layout | 0 days |
| 41 | **SUBSTATIONS** | **90 days** |
| 42 | SUBSTATIONS Detail Design | 90 days |
| 43 | Approval  Substation BOM | 0 days |
| 44 | Approval  Substation Layout | 0 days |
| 45 | **LV POWER DISTRIBUTION** | **90 days** |
| 46 | LV POWER DISTRIBUTION Detail Design | 90 days |
| 47 | Approval LVPD BOM | 0 days |
| 48 | Approval  LVPD Layout | 0 days |
| 49 | **LIGHTING CONTROL & MANAGEMENT SYSTEM** | **90 days** |
| 50 | LIGHTING CONTROL & MANAGEMENT SYSTEM | 90 days |
| 51 | Approval LMS BOM | 0 days |
| 52 | Approval LMS Layout | 0 days |



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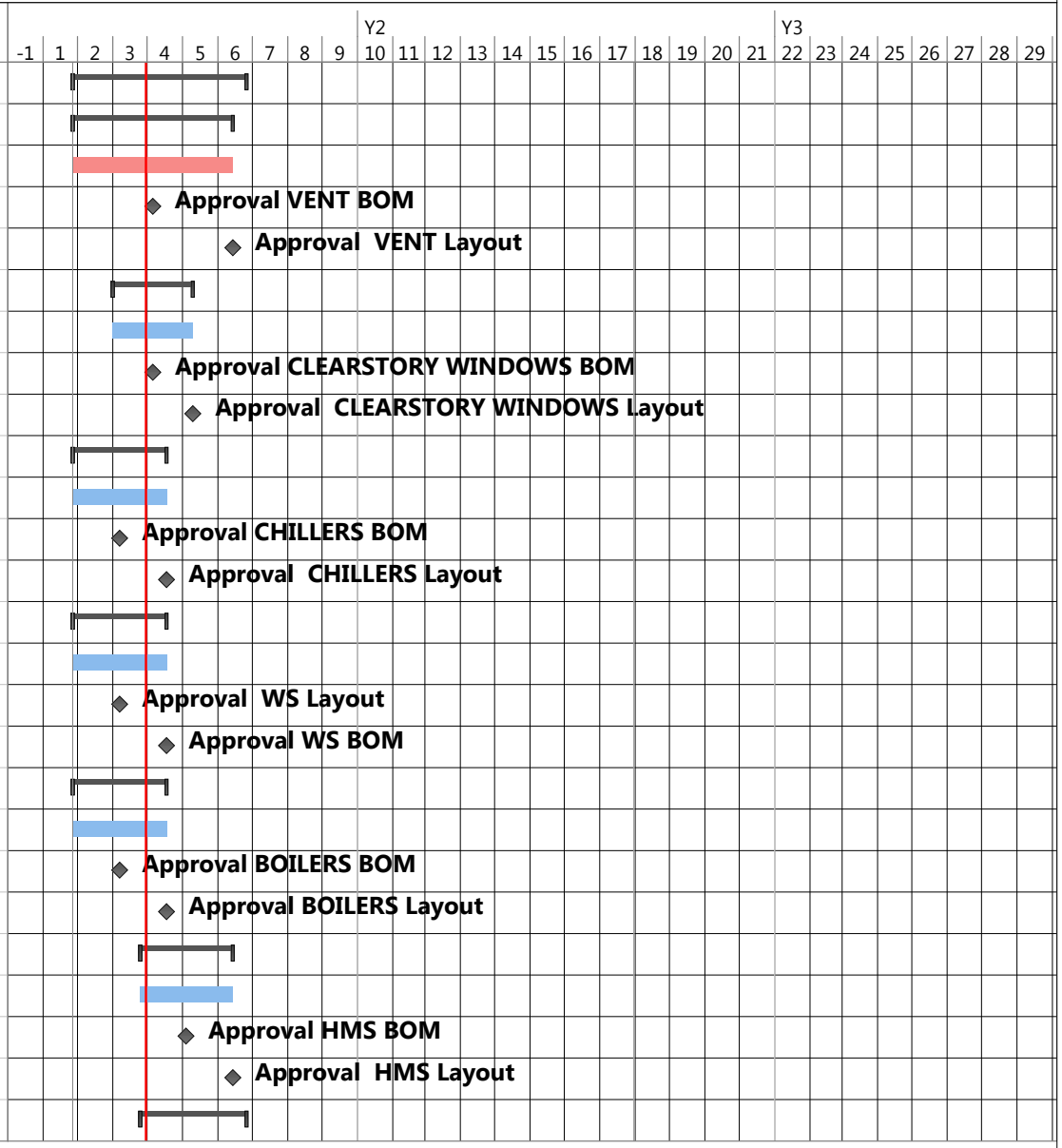
| ID | Task Name | Duration |
|---|---|---|
| 53 | **Mechanical Systems Detail Dsign** | **130 days** |
| 54 | **VENTILATION** | **120 days** |
| 55 | VENTILATION Detail Design | 120 days |
| 56 | Approval VENT BOM | 0 days |
| 57 | Approval VENT Layout | 0 days |
| 58 | **CLEARSTORY WINDOWS** | **60 days** |
| 59 | CLEARSTORY WINDOWS Detail Design | 60 days |
| 60 | Approval CLEARSTORY WINDOWS BOM | 0 days |
| 61 | Approval CLEARSTORY WINDOWS Layout | 0 days |
| 62 | **CHILLERS** | **70 days** |
| 63 | CHILLERS Detail design | 70 days |
| 64 | Approval CHILLERS BOM | 0 days |
| 65 | Approval CHILLERS Layout | 0 days |
| 66 | **WATER SYSTEMS** | **70 days** |
| 67 | WATER SYSTEMS Detail Design | 70 days |
| 68 | Approval WS Layout | 0 days |
| 69 | Approval WS BOM | 0 days |
| 70 | **BOILERS** | **70 days** |
| 71 | BOILERS Detail Design | 70 days |
| 72 | Approval BOILERS BOM | 0 days |
| 73 | Approval BOILERS Layout | 0 days |
| 74 | **HOTEL MECHANICAL SYSTEMS** | **70 days** |
| 75 | HOTEL MECHANICAL SYSTEMS Detail Design | 70 days |
| 76 | Approval HMS BOM | 0 days |
| 77 | Approval HMS Layout | 0 days |
| 78 | **3-D party supplied systems** | **80 days** |



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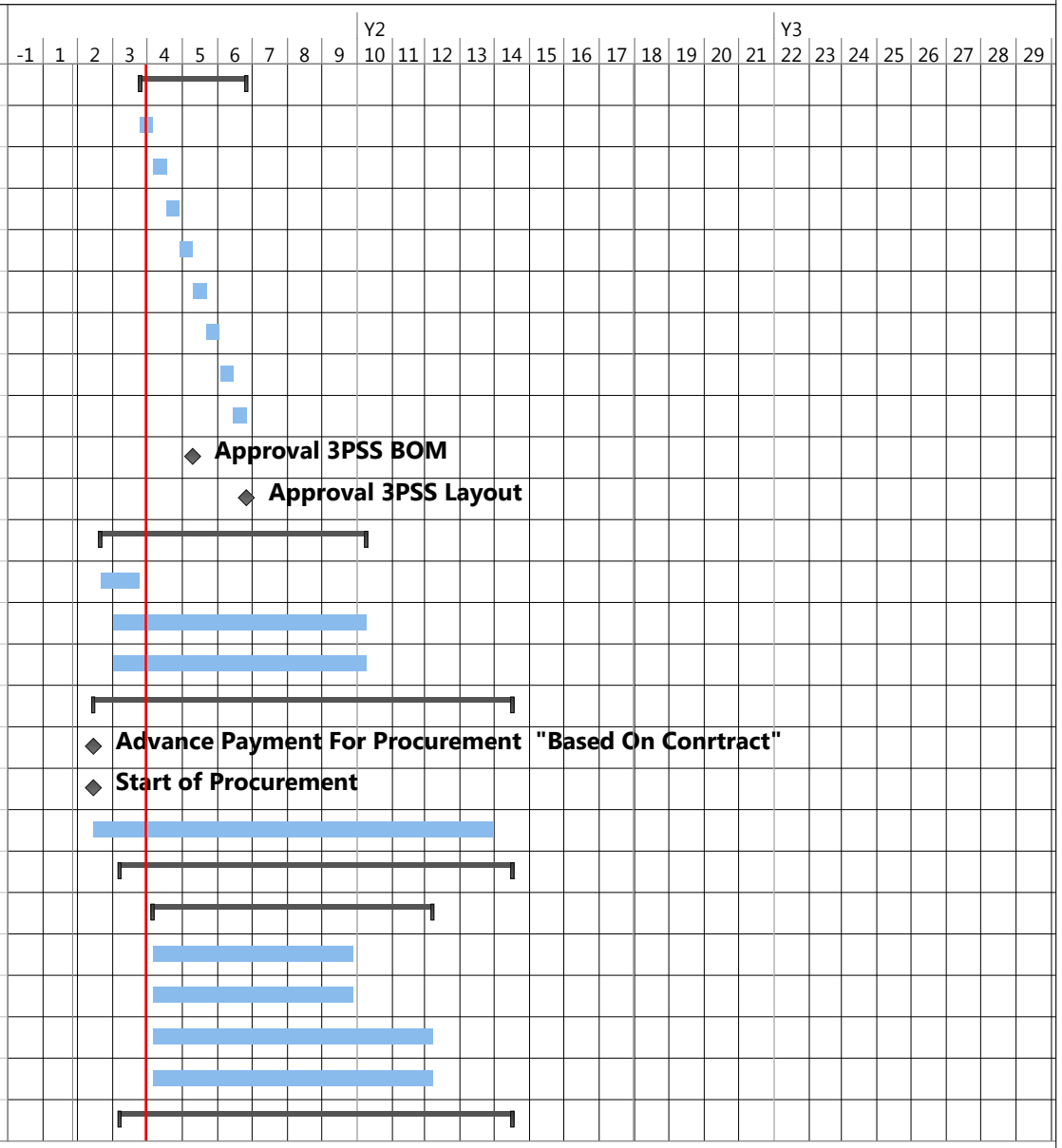
| ID | Task Name | Duration |
|---|---|---|
| 79 | **3-D party supplied systems Detail Design** | **80 days** |
| 80 | ICE RINK | 10 days |
| 81 | NATURAL GAS MONITORING SISTEM | 10 days |
| 82 | UTILITIES METTERING | 10 days |
| 83 | PARCING VENTELATION SISTEM | 10 days |
| 84 | ELEVATOR &ESCALATOR | 10 days |
| 85 | SEWAGE WATER TRETMENT | 10 days |
| 86 | FIRE ALARMING | 10 days |
| 87 | FIRE DAMPING | 10 days |
| 88 | Approval 3PSS BOM | 0 days |
| 89 | Approval 3PSS Layout | 0 days |
| 90 | **BMS Programing** | **200 days** |
| 91 | General | 30 days |
| 92 | PLC programming | 190 days |
| 93 | Desigo programming | 190 days |
| 94 | **Procurement** | **315 days** |
| 95 | Advance Payment For Procurement "Based On | 0 days |
| 96 | Start of Procurement | 0 days |
| 97 | SUPPLYING BULK MATERIAL ( CABLE TRAY , CONDUIT , | 300 days |
| 98 | **SUPPLYING BMS EQUIPMENT** | **295 days** |
| 99 | **ELECTRICAL SISTEM EQUIPMENT** | **210 days** |
| 100 | GIS 63/20 KV BMS EQUIPMENT | 150 days |
| 101 | SUBSTATIONS BMS EQUIPMENT | 150 days |
| 102 | LV POWER DISTRIBUTION BMS EQUIPMENT | 210 days |
| 103 | LIGHTING CONTROL & MANAGEMENT SYSTEM | 210 days |
| 104 | **MECHANICAL SYSTEM EQUIPMENT** | **295 days** |



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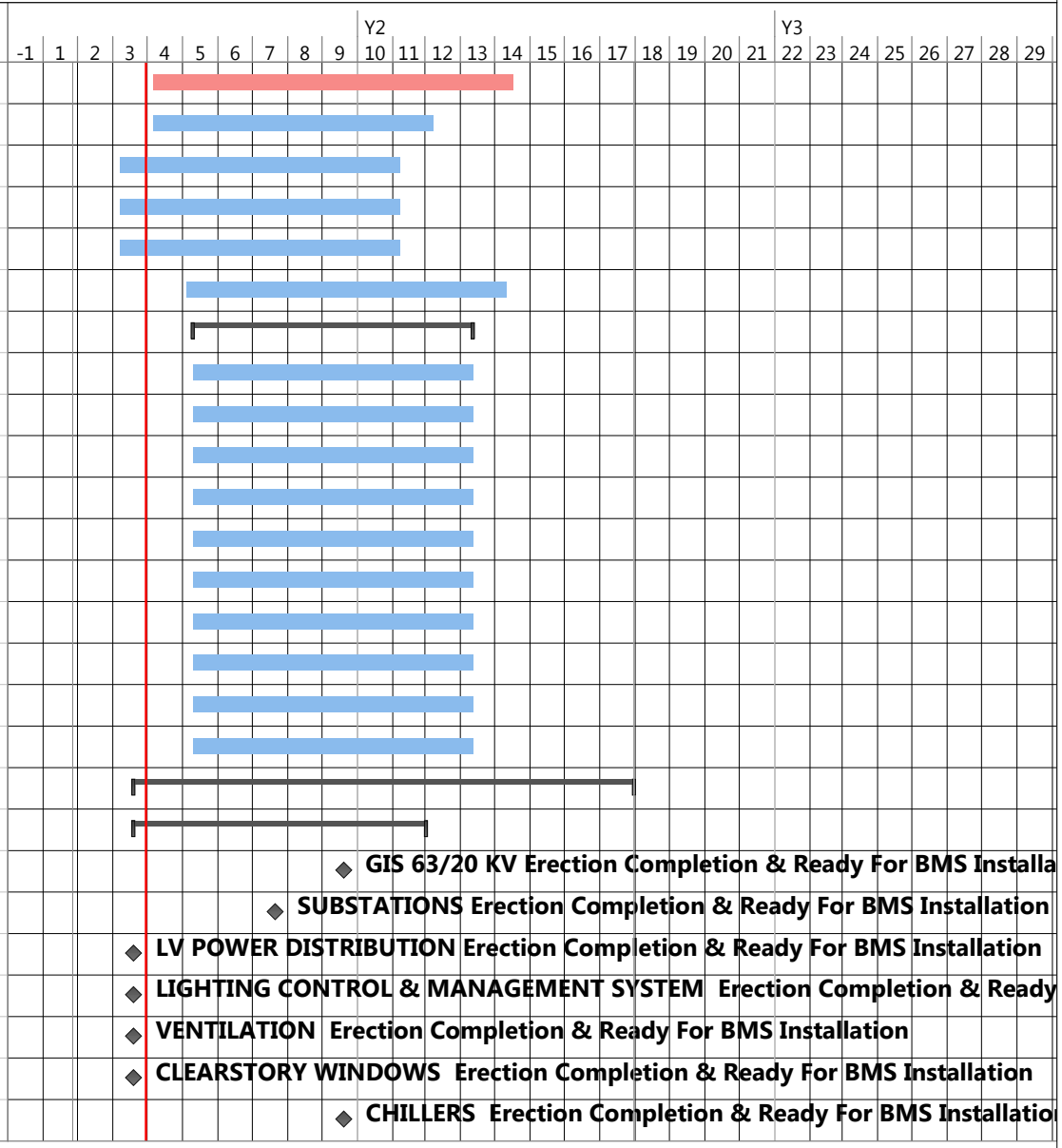
| ID | Task Name | Duration |
|---|---|---|
| 105 | VENTILATION BMS EQUIPMENT | 270 days |
| 106 | CLEARSTORY WINDOWS BMS EQUIPMENT | 210 days |
| 107 | CHILLERS BMS EQUIPMENT | 210 days |
| 108 | WATER SYSTEMS BMS EQUIPMENT | 210 days |
| 109 | BOILERS BMS EQUIPMENT | 210 days |
| 110 | HOTEL MECHANICAL SYSTEMS BMS EQUIPMENT | 240 days |
| 111 | **3-D PARTY SUPPLIED SYSTEMS BMS EQUIPMENT** | **210 days** |
| 112 | ICE RINK | 210 days |
| 113 | NATURAL GAS MONITORING SISTEM | 210 days |
| 114 | UTILITIES METTERING | 210 days |
| 115 | PARCING VENTELATION SISTEM | 210 days |
| 116 | ELEVATOR &ESCALATOR | 210 days |
| 117 | SEWAGE WATER TRETMENT | 210 days |
| 118 | FIRE ALARMING | 210 days |
| 119 | FIRE DAMPING | 210 days |
| 120 | HEAT TRACING | 210 days |
| 121 | WEATHER FORECAST STATION | 210 days |
| 122 | **CONSTRUCTION** | **376 days** |
| 123 | **Buildings Ready Time Table ( By Client )** | **220 days** |
| 124 | GIS 63/20 KV Erection Completion & Ready For BMS | 0 days |
| 125 | SUBSTATIONS Erection Completion & Ready For BMS | 0 days |
| 126 | LV POWER DISTRIBUTION Erection Completion & | 0 days |
| 127 | LIGHTING CONTROL & MANAGEMENT SYSTEM | 0 days |
| 128 | VENTILATION Erection Completion & Ready For BMS | 0 days |
| 129 | CLEARSTORY WINDOWS Erection Completion & | 0 days |
| 130 | CHILLERS Erection Completion & Ready For BMS | 0 days |



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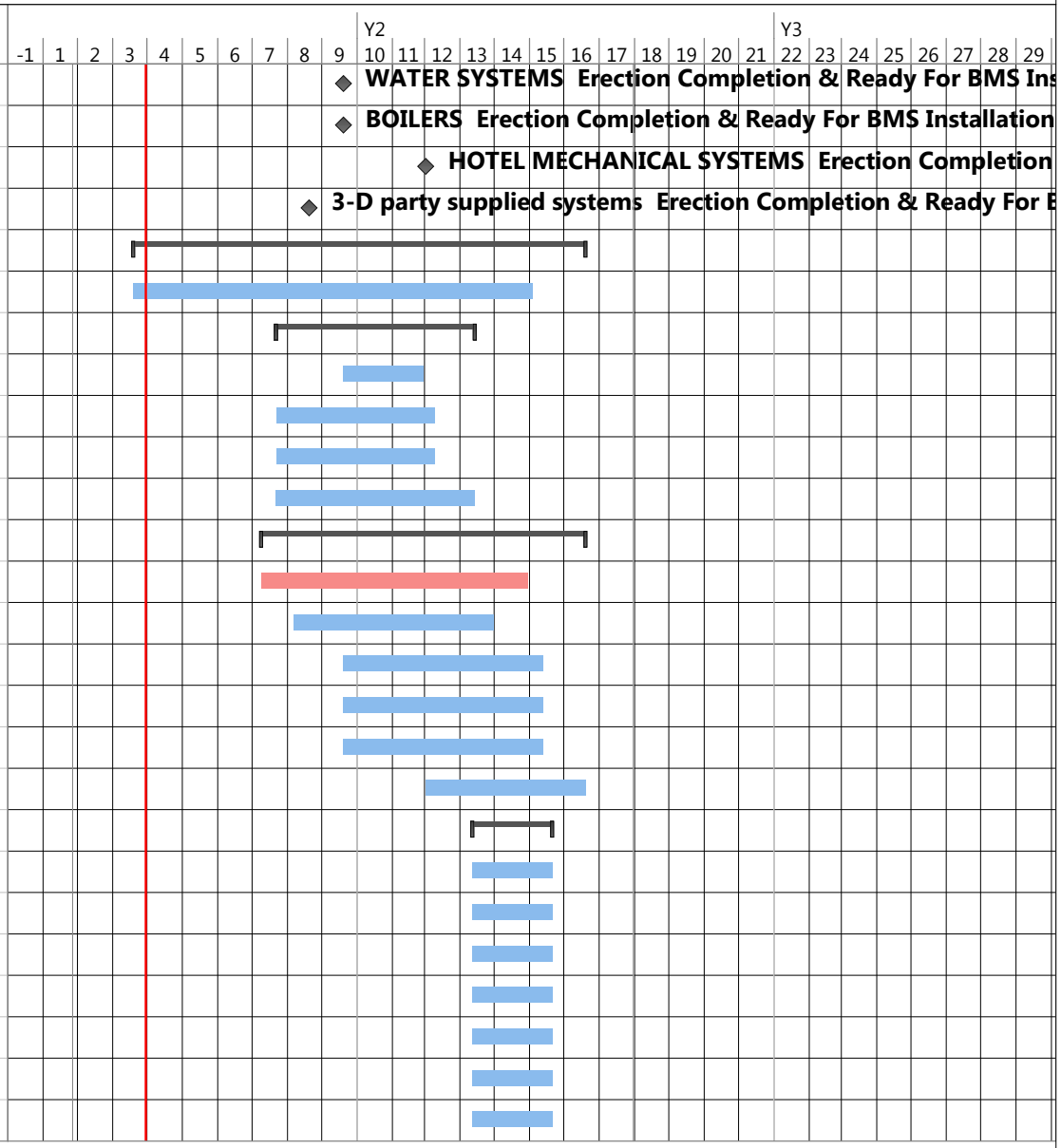
| ID | Task Name | Duration |
|---|---|---|
| 131 | WATER SYSTEMS Erection Completion & Ready For | 0 days |
| 132 | BOILERS Erection Completion & Ready For BMS | 0 days |
| 133 | HOTEL MECHANICAL SYSTEMS Erection Completion | 0 days |
| 134 | 3-D party supplied systems Erection Completion & | 0 days |
| 135 | **BMS Installation & Supervising** | **340 days** |
| 136 | CABLE TRAY & CONDUIT erection | 300 days |
| 137 | **Electrical System CONSTRUCTION** | **150 days** |
| 138 | GIS 63/20 KV CONSTRUCTION | 60 days |
| 139 | SUBSTATIONS CONSTRUCTION | 120 days |
| 140 | LV POWER DISTRIBUTION CONSTRUCTION | 120 days |
| 141 | LIGHTING CONTROL & MANAGEMENT SYSTEM | 150 days |
| 142 | **Mechanical systems CONSTRUCTION** | **244 days** |
| 143 | VENTILATION CONSTRUCTION | 200 days |
| 144 | CLEARSTOREY WINDOWS CONSTRUCTION | 150 days |
| 145 | CHILLERS CONSTRUCTION | 150 days |
| 146 | WATER SYSTEMS CONSTRUCTION | 150 days |
| 147 | BOILERS CONSTRUCTION | 150 days |
| 148 | HOTEL MECHANICAL SYSTEMS CONSTRUCTION | 120 days |
| 149 | **3-d party supplied systems CONSTRUCTION** | **60 days** |
| 150 | ICE RINK | 60 days |
| 151 | NATURAL GAS MONITORING SISTEM | 60 days |
| 152 | UTILITIES METTERING | 60 days |
| 153 | PARCING VENTELATION SISTEM | 60 days |
| 154 | ELEVATOR &ESCALATOR | 60 days |
| 155 | SEWAGE WATER TRETMENT | 60 days |
| 156 | FIRE ALARMING | 60 days |



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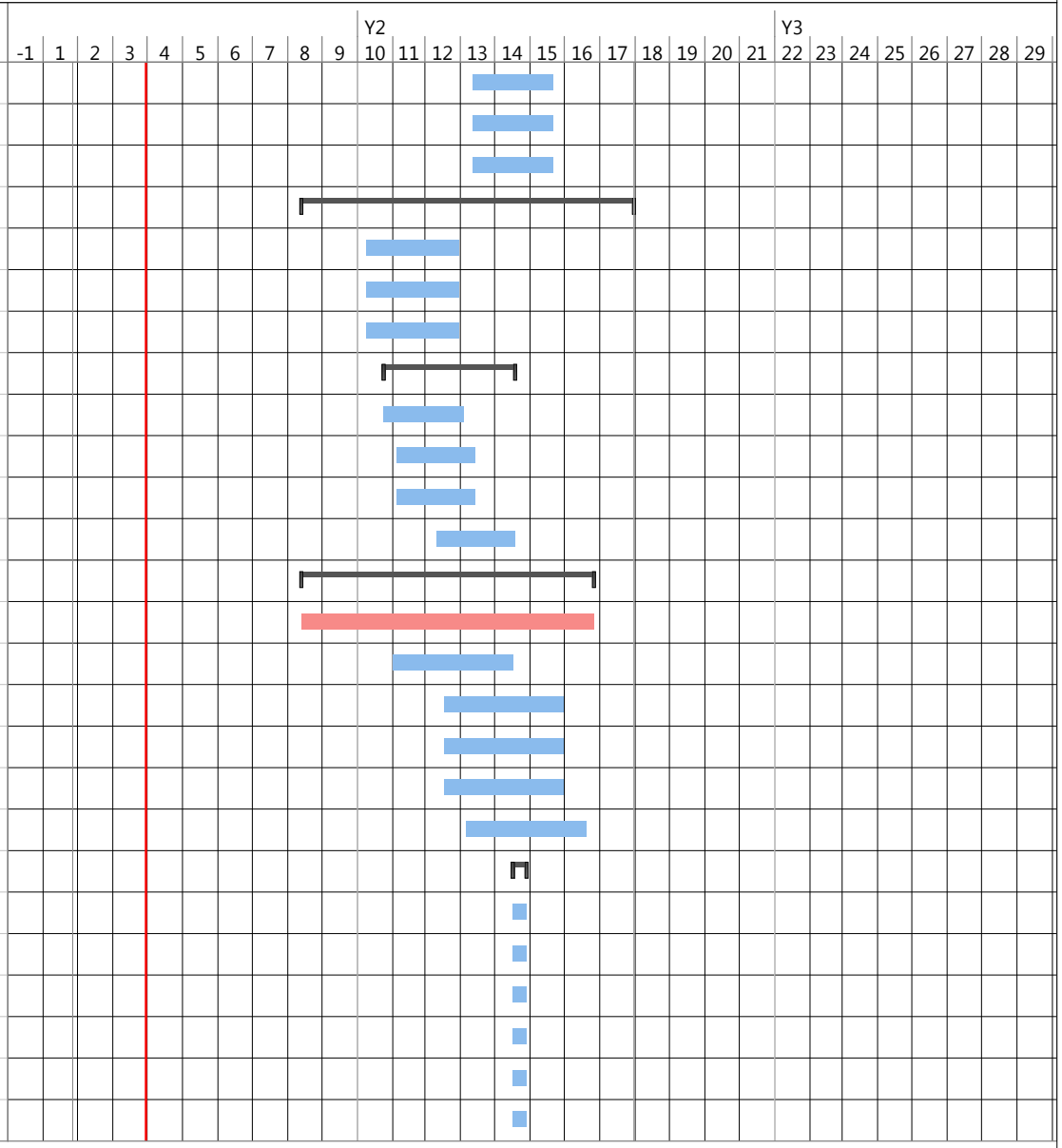
| ID | Task Name | Duration |
|---|---|---|
| 157 | FIRE DAMPING | 60 days |
| 158 | HEAT TRACING | 60 days |
| 159 | WEATHER FORECAST STATION | 60 days |
| 160 | **Pre-commissioning, Commissioning and Testing on** | **250 days** |
| 161 | General | 70 days |
| 162 | PLC programming on-site | 70 days |
| 163 | Desigo programming on-site | 70 days |
| 164 | **Electrical System Pre-commissioning,** | **99 days** |
| 165 | GIS 63/20 KV | 60 days |
| 166 | SUBSTATIONS | 60 days |
| 167 | LV POWER DISTRIBUTION | 60 days |
| 168 | LIGHTING CONTROL & MANAGEMENT SYSTEM | 60 days |
| 169 | **Mechanical systems Pre-commissioning,** | **220 days** |
| 170 | VENTILATION | 220 days |
| 171 | CLEARSTOREY WINDOWS | 90 days |
| 172 | CHILLERS | 90 days |
| 173 | WATER SYSTEMS | 90 days |
| 174 | BOILERS | 90 days |
| 175 | HOTEL MECHANICAL SYSTEMS | 90 days |
| 176 | **3-D party supplied systems** | **10 days** |
| 177 | ICE RINK | 10 days |
| 178 | NATURAL GAS MONITORING SISTEM | 10 days |
| 179 | UTILITIES METTERING | 10 days |
| 180 | PARCING VENTELATION SISTEM | 10 days |
| 181 | ELEVATOR &ESCALATOR | 10 days |
| 182 | SEWAGE WATER TRETMENT | 10 days |



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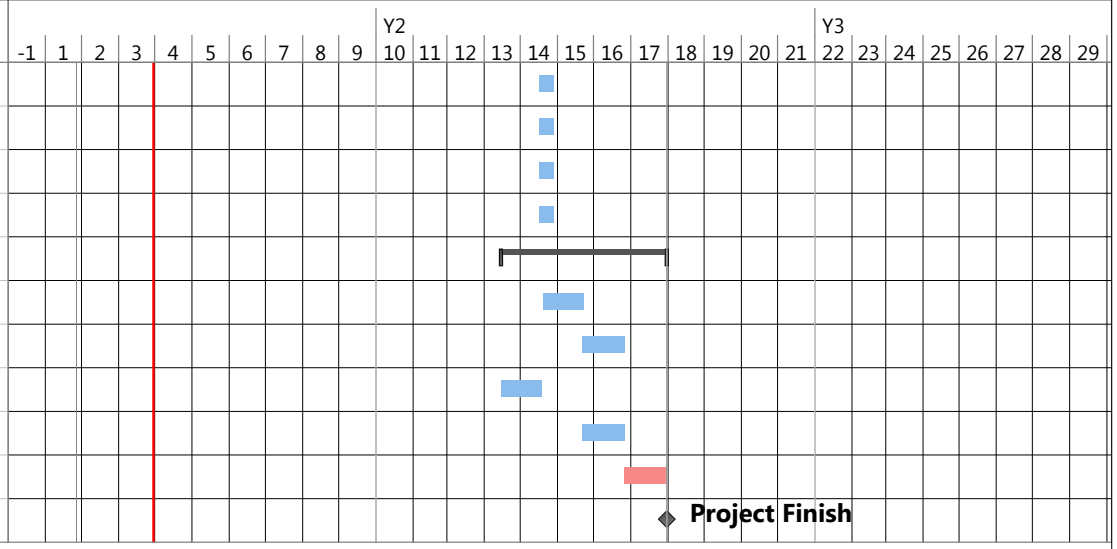
| ID | Task Name | Duration |
|---|---|---|
| 183 | FIRE ALARMING | 10 days |
| 184 | FIRE DAMPING | 10 days |
| 185 | HEAT TRACING | 10 days |
| 186 | WEATHER FORECAST STATION | 10 days |
| 187 | **Operation Training** | **119 days** |
| 188 | Training documentation | 30 days |
| 189 | Tandis BMS personnel in Russia (Yekaterinburg) | 30 days |
| 190 | Operating staff of electrical systems on-site | 30 days |
| 191 | Operating staff of mechanical systems on-site | 30 days |
| 192 | Maintanance staff on-site | 30 days |
| 193 | Project Finish | 0 days |