TIS Visit

**Inspection Report - Foundation**

**Branch:** ${Branch}  **Insurance Company: Malath**

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| **IDI RFP #: ${REFERENCENO}** | |
| **Owner’s name: ${Owner}** | **Contractor: ${Contractor}** |
| **Site Location: ${SiteLocation}** | **Project Type: ${ProjectType}** |
| **Number Of Buildings: ${NumberOfBuildings}** | **Inspection Stage: Foundation** |
| **Visit No: ${NoVisits}** | **Date of inspection: ${DateOfInspection}** |
| **Inspector Name**: **${InspectorName}** | **Telephone: ${Telephone}** |
| **E-Mail: ${Email}** | **TIS Agency: CPV ARABIA** |

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| **General picture of the project**  ${Image1} |
| **Picture of the constructional plans (From the Site)**  ${Image2} |

**Foundation Inspection**

***Inspection Checklist***

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| --- | --- | --- | --- | --- | --- |
| **No** | **Check** | **Reference** | **Risk Assessment** | | |
| Yes | No | N\A |
| **1** | **Inspection criteria** |  |  |  |  |
| **1.1** | Were there any differences in the project from the RD0, Soil Report and Constriction Plans...etc.)? |  | ${Check189\_1} | ${Check189\_2} | ${Check189\_3} |
| **1.2** | During the inspection was the technical reserves in the RD0 maintained? |  | ${Check190\_1} | ${Check190\_2} | ${Check190\_3} |
| **1.3** | During the inspection is the site ready for the TIS Visit? |  | ${Check236\_1} | ${Check236\_2} | ${Check236\_3} |
| **1.4** | Are there any defects in the execution of the structural element inspected that can affect the building’s stability? |  | ${Check250\_1} | ${Check250\_2} | ${Check250\_3} |
| **2** | **EARTHWORK – Excavation** |  |  |  |  |
| 2.1 | Does the foundation level meet both the recommendations of the soil report and the SBC limits? | 5.2.1 (SBC 303) | ${Check62\_1} | ${Check62\_2} | ${Check62\_3} |
| 2.2 | Is Excavation dry | 5.4.2.8 (SBC303) | ${Check64\_1} | ${Check64\_2} | ${Check64\_3} |
| 2.3 | Is there backfilling with excavated material |  | ${Check65\_1} | ${Check65\_2} | ${Check65\_3} |
| 2.4 | Is Blinding concrete placed |  | ${Check66\_1} | ${Check66\_2} | ${Check66\_3} |
| **3** | **FORMWORK** |  |  |  |  |
| 3.1 | Joints properly tied and sealed | 4.2.1.1 (SBC 302) 4.2.1.2 (SBC 302) | ${Check72\_1} | ${Check72\_2} | ${Check72\_3} |
| 3.2 | Clean forms and adjacent surface to receive concrete. Remove chips, wood, saw dust, dirt and other debris just before pouring concrete | 4.2.4.1 (SBC 302) | ${Check73\_1} | ${Check73\_2} | ${Check73\_3} |
| 3.3 | Is the formwork assembly stable, even when exposed to different load combination? | 2.1.3.1 (SBC 302) 4.6.1.3 (SBC 302) | ${Check74\_1} | ${Check74\_2} | ${Check74\_3} |
| 3.4 | Concrete cover maintained as per approved drawings? | Table 20.6.1.3.1 (SBC 304) | ${Check78\_1} | ${Check78\_2} | ${Check78\_3} |
| **4** | **EMBEDDED ITEMS** |  |  |  |  |
| 4.1 | Water - stop as per drawing? | 2.1.5.4 (SBC 302) | ${Check80\_1} | ${Check80\_2} | ${Check80\_3} |
| 4.2 | Pipe Sleeves installed as per drawing? | 7A8.1.2 (SBC 1101) | ${Check82\_1} | ${Check82\_2} | ${Check82\_3} |
| **5** | **STEEL REINFORCEMENT** |  |  |  |  |
| 5.1 | Are the steel reinforcement diameter, number, and direction executed as per the construction drawing? | 707.11.1.4 (SBC 1101) 707.11.1.5 (SBC 1101) 707.11.1.6 (SBC 1101) 707.11.1.7 (SBC 1101) 707.11.1.8 (SBC 1101)  707.11.1.9 (SBC 1101) 707.11.5.1 (SBC 1101) 7A3.1 (SBC 1101)  7A3.2 (SBC1101) 707.11.5.2 (SBC 1101) | ${Check83\_1} | ${Check83\_2} | ${Check83\_3} |
| 5.2 | Length of splices and staggered splices as required. | 7A6.1.1 (SBC 1101) 7A6.1.2 (SBC 1101) 7A6.2.1 (SBC 1101) Table 7A-7 (SBC 1101) | ${Check85\_1} | ${Check85\_2} | ${Check85\_3} |
| 5.3 | Bends within radius and tolerance are uniformly made. | 7A4.1 (SBC 1101) Table 7A-1 (SBC 1101) | ${Check86\_1} | ${Check86\_2} | ${Check86\_3} |
| 5.4 | Additional bars at intersections, openings, and corners provided. | 7A2.3 (SBC 1101) | ${Check229\_1} | ${Check229\_2} | ${Check229\_3} |
| 5.5 | Bars cleaned of materials that affect bond. |  | ${Check87\_1} | ${Check87\_2} | ${Check87\_3} |
| 5.6 | Bars tied and supported to avoid displacement |  | ${Check88\_1} | ${Check88\_2} | ${Check88\_3} |
| 5.7 | Spacers, tie wires, chairs as required. |  | ${Check89\_1} | ${Check89\_2} | ${Check89\_3} |
| 5.8 | Adequate clearance provided for deposit of concrete. |  | ${Check91\_1} | ${Check91\_2} | ${Check91\_3} |
| 5.9 | No bent bars and tension members installed except where approved. |  | ${Check92\_1} | ${Check92\_2} | ${Check92\_3} |
| 5.10 | Are the anchor’s grade, diameter, number, and direction executed as per the construction drawing? |  | ${Check629\_1} | ${Check629\_2} | ${Check629\_3} |
| 5.11 | Is embedment length as per drawings? |  | ${Check631\_1} | ${Check631\_2} | ${Check631\_3} |
| **Note**:  Sampling percentage of 20% of the Foundations  The checks are carried out on the accessible elements at the time of the inspection.  Yes: No deviations from references are observed  No.: Observations that can produce an aggravation of the expected risk  in case of High Impact Risks, please fill the form RD5 | | | | | |

***Project Photos***

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| ${Image3}  ${Image3Desc} |

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| ${Image4}  ${Image4Desc} |

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| ${Image5}  ${Image5Desc} |

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| ${Image6}  ${Image6Desc} |

***Summary***

**Inspection results**

${Check1} **Approved.**

${Check2} **Approved with observations.**

${Check3} **Approved, Technical reservation.**

${Check4} **Rejected, requires an additional visit.**

${Check5} **Rejected, Missing stage requires RD5.**

**Technical Inspection Result and Comments**

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| ${Summary} |

**“End of the report”**