**山西省行业优秀勘察设计奖**

**优秀抗震防灾项目申报表**

|  |  |  |  |
| --- | --- | --- | --- |
| **项目名称：** | |  | |
| **申报单位：** | | **（公章）** | |
| **填报日期：** | | **年 月 日** | |
|  |  | |
|  |  | |
|  |  | |

**行业优秀勘察设计奖优秀抗震防灾项目申报表**

|  |  |  |  |
| --- | --- | --- | --- |
| **项目名称** |  | | |
| **主要设计单位** |  | | |
| **合作设计单位** |  | | |
| **建筑工程设计起止时间** |  | **竣工验收时间** |  |
| **验收部门** |  | | |
| **申报单位**  **通讯地址** |  | | |
| **单位资质** |  | **证书编号** |  |
| **申报单位**  **联系人** |  | **电话** |  |
| **邮政编码** |  | **手机** |  |
| **电子邮箱** |  | **传真** |  |
| **申报材料目录：**  **1、专项抗震防灾报告**  **2、相关技术材料** | | | |

**申报单位法人代表人声明**

本人 （法定代表人） （身份证号码）郑重声明，本单位此次填报的申报表及附件材料的全部数据、内容是真实的。申报资料如有虚假，本单位将自动退出工程勘察、建筑设计行业和市政公用工程优秀勘察设计奖的评选，并愿接受中设协根据《工程勘察、建筑设计行业和市政公用工程优秀勘察设计奖评选办法》所做的处理。

单位法定代表人（签名）：

单位公章：

年 月 日

**在本项目中做出贡献的主要人员情况表**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **序号** | **姓名** | **职称** | **工作单位** | **专业** | **身份证号、军官证号/外国人护照号、港澳台胞证件号** | **项目中主要工作职责** |
| **1** |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |
| **6** |  |  |  |  |  |  |
| **7** |  |  |  |  |  |  |
| **8** |  |  |  |  |  |  |

备注：主要勘察设计人员应在主要工作职责栏中明确项目总负责人和相关专业负责人，且均应为申报同业协会获奖的人员。

**工程项目特点**

|  |
| --- |
| **（600～1000字，提供必要的图纸和计算分析）** |

**审批意见**

|  |  |
| --- | --- |
| **曾获奖项** |  |
| **申报单位意见** | **（盖章）**  **年 月 日** |
| **行业协会推荐意见** | **（盖章）**  **年 月 日** |

**合作项目申报声明**

工程项目为我们合作完成，我们各方均同意以 （单位）为主申报单位，参加工程勘察、建筑设计行业和市政公用工程优秀勘察设计奖评选。

特此声明。

**合作单位（机构）签名盖章**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** |
| **单位法定代表人**  **（签名）：**  **（单位公章）** | **单位法定代表人**  **（签名）：**  **（单位公章）** | **单位法定代表人**  **（签名）：**  **（单位公章）** | **单位法定代表人**  **（签名）：**  **（单位公章）** | **单位法定代表人**  **（签名）：**  **（单位公章）** |

**项目技术指标**

Ⅰ——隔震工程项目情况表

**1、总体信息 编号：**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **项目名称** |  | | | | | | | | **用途** |  | |
| **建设地点** | **省市（县）** | | | | | | | **建设时间** |  | | |
| **总高度**  **(*m*)** |  | **占地面积**  **(*m2*)** | |  | | **建筑面积**  **(*m2*)** | |  | **隔震层面积**  **(*m2*)** | |  |
| **高宽比** |  | **层数** | **地上：**  **地下：** | | | **首层层高**  **(*m*)** | |  | **标准层高**  **(*m*)** | |  |
| **建设单位** |  | | | | | | **施工单位** | |  | | |
| **设计单位** |  | | | | | | **施工图审查机构** | |  | | |
| **混凝土总用量(*m3*)** |  | | | | **每平方米混凝土折算厚度(*cm/m2*)** | |  | | | | |
| **钢材总用量(*t*)** | **钢筋：**  **型钢：** | | | | **每平方米钢材用量(*kg*)** | | **钢筋：**  **型钢：** | | | | |

**2、隔震设计概要**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **所在地区设防地震加速度参数(g)** | | | | | **□≤0.05g□0.10g □0.15g □0.20g □0.30g □≥0.40g** | | | | | | | | | |
| **设计基本地震动加速度(*g*)** | | | | |  | **场地类别** | | |  | **特征周期(s)** | |  | **抗震设防类别** |  |
| **时程分析用地震波（名称/调幅值(*gal*)/特征周期（*s*））** | |  | | | | | | | | | | | | |
| **液化、震陷、断裂等不利场地因素措施** | |  | | | | | | | | | | | | |
| **基础形式** |  | | | **上部结构形式** | | |  | | | | **地下室结构形式** | |  | |
| **隔震层位置（标高和层）** | | |  | | | | | **水平向减震系数** | | | |  | | |
| **隔震设计基本周期(s)** | | |  | | | | | **上部结构基本周期(*s*)** | | | |  | | |
| **隔震支座实际使用平均面压**  **最大最小面压(*MPa*)** | | |  | | | | | **隔震支座设计最大位移(*cm*)** | | | |  | | |
| **隔震层顶板体系** | | |  | | | | | **隔震层下支墩（柱）主要断面** | | | |  | | |
| **总质量（*t*）** | | |  | | | | | **阻尼比(*%*)** | | | |  | | |

**3、抗震分析概要**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **程序名称** | |  | | | |
| **抗震分析结果** | **分析结果** | **中震** | | **大震** | |
| **横向** | **纵向** | **横向** | **纵向** |
| **隔震器最大变形 (*mm*)** |  |  |  |  |
| **基底最大剪力(*kN*）** |  |  |  |  |
| **屋顶最大相对位移 (*mm*)** |  |  |  |  |
| **最大层间相对位移 (*mm*)** |  |  |  |  |
| **最大层间位移角** |  |  |  |  |
| **最大反应加速度 (*g*)** |  |  |  |  |

**4、隔震减震装置概要**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **生产企业** | | **隔震支座：阻尼器：** | | | | | | |
| **隔震支座** | **型号** | | |  |  |  |  |  |
| **个数** | | |  |  |  |  |  |
| **有效直径*(mm*)** | | |  |  |  |  |  |
| **铅芯直径*(mm*)** | | |  |  |  |  |  |
| **产品外径*(mm*)** | | |  |  |  |  |  |
| **橡胶层总厚度*(mm*)** | | |  |  |  |  |  |
| **一次形状系数** | | |  |  |  |  |  |
| **二次形状系数** | | |  |  |  |  |  |
| **橡胶剪切弹性模量 (*N/mm2*)** | | |  |  |  |  |  |
| **竖向刚度 (*kN/mm*)** | | |  |  |  |  |  |
| **等效水平刚度(*kN/mm*)** | | **100%水平性能** |  |  |  |  |  |
| **250%水平性能** |  |  |  |  |  |
| **等效阻尼比**  **(*%*)** | | **100%水平性能** |  |  |  |  |  |
| **250%水平性能** |  |  |  |  |  |
| **屈服后刚度*Kd*(*kN/m*)** | | |  |  |  |  |  |
| **屈服力*Qd*(*kN*)** | | |  |  |  |  |  |
| **阻尼器** | **型号** | | |  |  |  |  |  |
| **个数** | | |  |  |  |  |  |
| **最大阻尼出力 (*t*)** | | |  |  |  |  |  |
| **阻尼系数*C*** | | |  |  |  |  |  |
| **速度指数α** | | |  |  |  |  |  |

Ⅱ——消能减震工程项目情况表

**1、总体信息 编号：**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **项目名称** |  | | | | | | | **用途** | |  | |
| **建设地点** | **省市（县）** | | | | | | **建设时间** |  | | | |
| **总高度**  **(*m*)** |  | **占地面积**  **(*m2*)** | |  | **建筑面积**  **(*m2*)** | |  | | | | |
| **高宽比** |  | **层数** | **地上：**  **地下：** | | **首层层高**  **(*m*)** | |  | | **标准层高**  **(*m*)** | |  |
| **建设单位** |  | | | | | **施工单位** | | |  | | |
| **设计单位** |  | | | | | **施工图审查机构** | | |  | | |
| **混凝土总用量(*m3*)** |  | | | | | **每平方米混凝土折算厚度 (*cm/m2*)** | | |  | | |
| **钢材总用量(*t*)** | **钢筋：**  **型钢：** | | | | | **每平方米钢材用量**  **(*kg*)** | | | **钢筋：**  **型钢：** | | |

**2、消能减震设计概要**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **所在地区设防地震加速度参数(g)** | | | | | **□≤0.05g□0.10g □0.15g □0.20g □0.30g □≥0.40g** | | | | | | | | | | |
| **设计基本地震动加速度(*g*)** | | | | |  | **场地类别** | | |  | **特征周期(s)** | | |  | **抗震设防类别** |  |
| **时程分析用地震波（名称/调幅值(*gal*)/特征周期（*s*））** | |  | | | | | | | | | | | | | |
| **液化、震陷、断裂等不利场地因素措施** | |  | | | | | | | | | | | | | |
| **基础形式** |  | | | **上部结构形式** | | |  | | | | **地下室结构形式** | | |  | |
| **主体结构阻尼比** | | |  | | | | | **结构附加有效阻尼比** | | | |  | | | |
| **结构前6阶周期 (*s*)** | | |  | | | | | | | | | | | | |

**3、抗震分析概要**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **抗**  **震**  **分析** | **程序名称：** | | | | | | | | | | | | | | | |
| **不**  **考**  **虑**  **耦**  **扭联**  **转** | **方向** | | ***T1(s)*** | | ***FEK(kN)*** | | | ***FEK/Geq*** | | | ***△Uu(mm)*** | | | ***△Uu/h*** | |
| **横向** | |  | |  | | | ***%*** | | |  | | |  | |
| **纵向** | |  | |  | | | ***%*** | | |  | | |  | |
| **考**  **虑**  **耦**  **扭联**  **转** | **振型号** | ***T(s)*** | **转角** | **扭转系数** | | | **方向** | ***FEK(kN)*** | | ***FEK/Geq*** | | ***△Ue(mm)*** | | | ***△Ue/h*** |
| **1** |  |  |  | | | **横向** |  | |  | |  | | |  |
| **2** |  |  |  | | | **纵向** |  | |  | |  | | |  |
| **3** |  |  |  | | | **地震作用最大方向：** | | | | | | | | |
| **时程分析程序名称：** | | | | | | | | | | | | | | | |
| **波名** | | | | | | ***FEK(kN)*** | | | ***FEK/Geq*** | | | | ***△U/h*** | | |
|  | | | | | |  | | | ***%*** | | | |  | | |
|  | | | | | |  | | | ***%*** | | | |  | | |
| **……** | | | | | |  | | | ***%*** | | | |  | | |

**4、消能减震装置概要**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **生产企业** | | **黏滞阻尼器：金属阻尼器：屈曲约束支撑：其他：** | | | | | | | |
| **黏**  **滞**  **阻**  **尼**  **器** | **型号** | |  |  |  |  |  |  |  |
| **个数** | |  |  |  |  |  |  |  |
| **极限位移*(mm*)** | |  |  |  |  |  |  |  |
| **最大阻尼出力 (*t*)** | |  |  |  |  |  |  |  |
| **阻尼系数*C*** | |  |  |  |  |  |  |  |
| **速度指数α** | |  |  |  |  |  |  |  |
| **金**  **属**  **型**  **阻**  **尼**  **器** | **型号** | |  |  |  |  |  |  |  |
| **个数** | |  |  |  |  |  |  |  |
| **屈服位移*(mm*)** | |  |  |  |  |  |  |  |
| **屈服荷载 (*t*)** | |  |  |  |  |  |  |  |
| **屈服后刚度 (*t/cm*)** | |  |  |  |  |  |  |  |
| **极限荷载 (*t*)** | |  |  |  |  |  |  |  |
| **极限位移*(mm*)** | |  |  |  |  |  |  |  |
| **屈**  **曲**  **约**  **束**  **支**  **撑** | **型号** | |  |  |  |  |  |  |  |
| **个数** | |  |  |  |  |  |  |  |
| **屈服位移*(mm*)** | |  |  |  |  |  |  |  |
| **屈服荷载 (*t*)** | |  |  |  |  |  |  |  |
| **屈服后刚度 (*t/cm*)** | |  |  |  |  |  |  |  |
| **极限荷载 (*t*)** | |  |  |  |  |  |  |  |
| **极限位移*(mm*)** | |  |  |  |  |  |  |  |
| **其它类型阻尼器** | **型号** | |  |  |  |  |  |  |  |
| **个数** | |  |  |  |  |  |  |  |
|  | |  |  |  |  |  |  |  |
| **……** | |  |  |  |  |  |  |  |