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| 西安市氵皂河沣惠渠管理中心  东南郊生态引水系统维修养护项目明细表   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 序号 | 项目名称 | 单位 | 数量 | 养护期限（年） | 维护标准 | | 一 | 日常巡查维护 |  |  |  |  | | 1 | 荆峪沟引水管线巡查维护 |  |  |  |  | | 1.1 | 红旗沉淀池-电厂φ600压力双管道（12.3km）巡查维护 | m | 12300 | 1 | 负责引水管线日巡查、日报告，制止破坏管道和附属设施行为，清理井盖、标识等设施表面污垢杂物，达到外观整洁、标识明显,保证管道运行安全；完成巡查维护各项临时任务。 | | 2 | 大峪引水管线巡查维护 |  |  |  |  | | 2.1 | 东曹分流池-护城河管道（14.5km)巡查维护 | m | 14500 | 1 | 负责引水管线日巡查、日报告，制止破坏管道和附属设施行为，清理井盖、标识等设施表面污垢杂物，达到外观整洁、标识明显,保证管道运行安全；完成巡查维护各项临时任务。 | | 2.2 | 曲江大道-兴庆公园管道（5.35km）、乐游原水厂φ800管道（0.2km）巡查维护 | m | 5550 | 1 | 负责引水管线日巡查、日报告，制止破坏管道和附属设施行为，清理井盖、标识等设施表面污垢杂物，达到外观整洁、标识明显,保证管道运行安全；完成巡查维护各项临时任务。 | | 2.3 | 杜陵西路-新植物园φ600管道（4.1km）巡查维护 | m | 4160 | 1 | 负责引水管线日巡查、日报告，制止破坏管道和附属设施行为，清理井盖、标识等设施表面污垢杂物，达到外观整洁、标识明显,保证管道运行安全；完成巡查维护各项临时任务。 | | 2.4 | 南三环路-曲江南湖管道（1.59km)巡查维护 | m | 1590 | 1 | 负责引水管线日巡查、日报告，制止破坏管道和附属设施行为，清理井盖、标识等设施表面污垢杂物，达到外观整洁、标识明显,保证管道运行安全；完成巡查维护各项临时任务。 | | 二 | 专项维修养护 |  |  |  |  | | 1 | 荆峪沟引水管线及附属构筑物设施维护 |  |  |  |  | | 1.1 | 红旗管理站配水闸房内φ600闸阀维护保养 | 个 | 2 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，启闭灵活，加密封脂，打开排污口，阀体进行排污、除尘防锈处理等。发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀，使用良好。 | | 1.2 | 红旗管理站配水闸房内φ800闸阀维护保养 | 个 | 1 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，启闭灵活，加密封脂，打开排污口，阀体进行排污、除尘防锈处理等。发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀，使用良好。 | | 1.3 | 红旗管理站引水明渠主闸门除锈刷、螺杆起闭机清洁、涂抹黄油 | 个 | 1 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，加密封脂，除尘防锈处理等，保证启闭自如。日常发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀。 | | 1.4 | 红旗管理站引水明渠分水闸门除锈、螺杆起闭机清洁、涂抹黄油 | 个 | 3 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，加密封脂，除尘防锈处理等，保证启闭自如。日常发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀。 | | 1.5 | 沉淀池调节闸门除锈、螺杆起闭机清洁、涂抹黄油 | 个 | 3 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，加密封脂，除尘防锈处理等，保证启闭自如。日常发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀。 | | 1.6 | 主管道排气阀养护（深井作业） | 个 | 36 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，加密封脂，除尘防锈处理等，保证启闭自如。日常发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀。 | | 1.7 | 主管道泄水阀养护（深井作业） | 个 | 6 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，加密封脂，除尘防锈处理等，保证启闭自如。日常发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀。 | | 1.8 | 主管道恒压减压阀养护（深井作业） | 个 | 2 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，加密封脂，除尘防锈处理等，保证启闭自如。日常发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀。 | | 1.9 | 主管道DN600蝶阀养护（深井作业） | 个 | 5 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，启闭灵活，加密封脂，打开排污口，阀体进行排污、除尘防锈处理等。发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀，使用良好。 | | 1.10 | 检查井维护（深井作业） | 座 | 23 | 1 | 每年维护一次，更换破损井盖、铭牌、防护网，喷涂更新标识，清理井内垃圾、积水，修补井筒、井壁、井底、挡土墙等。要求检查井外部：井盖无破损、埋没、丢失等，标识铭牌无脱落，盖框间隙紧密，无突出或凹陷等；检查井内部：爬梯无松动、锈蚀或缺损，井壁无泥垢、积水、杂物、裂缝、渗漏、脱落等。日常巡查时若发现问题及时维护。 | | 1.11 | 界桩维护 | 个 | 110 | 1 | 每年维护一次，清理界桩的原漆皮，重新涂刷、喷涂编号、缺失破损界桩重新埋设。要求界桩位置准确，完整干净，标识清楚醒目。 | | 1.12 | 红旗管理站引水明渠人工清淤 | m³ | 91.2 | 1 | 渠底淤泥每年清理2次，清理至原有渠底断面，两岸杂草清理干净，垃圾外运。保证渠面干净无杂物，水流畅通，水质良好。 | | 1.13 | 红旗管理站沉淀池底人工清淤 | m³ | 169.2 | 1 | 池底淤泥清理至原有池底断面，垃圾外运。保证池面无漂浮物、杂草、垃圾等，流水畅通，水质良好。 | | 1.14 | 红旗管理站沉淀池壁人工清理 | m³ | 33.6 | 1 | 清理池壁水草等杂物，垃圾外运。保证池壁清洁，水流通畅。 | | 1.15 | 淤泥外运 | m³ | 294 | 1 |  | | 2 | 大峪引水管线及附属构筑物设施维护 |  |  |  |  | | 2.1 | 东曹分流池进水闸门设备维护 | 个 | 1 | 1 | 每年维护一次，清洁到位、除锈干净、涂抹黄油润滑，保证启闭自如。 | | 2.2 | 东曹分流池进水闸门螺杆起闭机清洁、除锈、涂抹黄油 | 个 | 1 | 1 | 每年维护一次，清洁到位、除锈干净、涂抹黄油润滑，保证启闭自如。 | | 2.3 | 东曹分流池进水闸门配电箱及三项异步电机维护保养 | 个 | 1 | 1 | 每年维护一次，外部除尘，运行电压、电流、噪音及震动等检查；每年一次整体检查，内部整体清洁、加润滑剂，更换不良部件等。保障配电箱及电机运转正常。 | | 2.4 | φ1200蝶阀维护保养（深井作业） | 个 | 2 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，启闭灵活，加密封脂，打开排污口，阀体进行排污、除尘防锈处理等。发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀，使用良好。（东曹分流池、三环绿化带） | | 2.5 | φ800蝶阀维护保养（深井作业） | 个 | 2 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，启闭灵活，加密封脂，打开排污口，阀体进行排污、除尘防锈处理等。发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀，使用良好。（曲江大道民政局门口、雁曲五路兴庆公园管道上） | | 2.6 | φ600蝶阀维护保养（深井作业） | 个 | 3 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，启闭灵活，加密封脂，打开排污口，阀体进行排污、除尘防锈处理等。发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀，使用良好。（三环绿化带、植物园管线起点、植物园管线春林路处） | | 2.7 | φ300蝶阀维护保养（深井作业） | 个 | 3 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，启闭灵活，加密封脂，打开排污口，阀体进行排污、除尘防锈处理等。发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀，使用良好。（植物园管线春林路处、幸福林带预留口、植物园接口） | | 2.8 | φ1200闸阀维护保养（深井作业） | 个 | 1 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，启闭灵活，加密封脂，打开排污口，阀体进行排污、除尘防锈处理等。发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀，使用良好。（植物园起点） | | 2.9 | φ600闸阀维护保养（深井作业） | 个 | 2 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，启闭灵活，加密封脂，打开排污口，阀体进行排污、除尘防锈处理等。发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀，使用良好。（植物园起点） | | 2.10 | 主管道恒压减压阀、排气阀维护保养（深井作业） | 个 | 7 | 1 | 每年维护一次，主要检查阀体及附件的运行状态，检查阀门的手动装置，加密封脂，除尘防锈处理等，保证启闭自如。日常发现问题及时维护，保证密封无破损，开启灵活，螺栓紧固、注脂均匀足量，无泄漏、无锈蚀。 | | 2.11 | 检查井维护（深井作业） | 座 | 156 | 1 | 全年维护一次，更换破损井盖、铭牌、防护网，喷涂更新标识，清理井内垃圾、积水，修补井筒、井壁、井底、挡土墙等。要求检查井外部：井盖无破损、埋没、丢失等，标识铭牌无脱落，盖框间隙紧密，无突出或凹陷等；检查井内部：爬梯无松动、锈蚀或缺损，井壁无泥垢、积水、杂物、裂缝、渗漏、脱落等。日常巡查时若发现问题及时维护。 | | 2.12 | 植物园供水管道调节池清淤 | 项 | 1 | 1 | 清理池壁水草等杂物，垃圾外运。保证池壁清洁，水流通畅。 | | 2.13 | 汇流池溢洪道清理 | 项 | 1 | 1 | 对东曹管理站溢洪道淤泥进行清理，垃圾外运，保证溢洪道无漂浮物、杂草、垃圾等。 | | 2.14 | 界桩维护 | 个 | 15 | 1 |  | | 3 | 红旗管理站维护 |  |  |  |  | | 3.1 | 绿化管护（一年） | 次 | 12 | 1 | 绿化树木、绿篱及时修剪、浇水、防虫，无病虫枝、徒长枝、死株，绿篱剪口平滑、美观；绿地及时清除杂草，植草高度不得超过30厘米。 | | 3.2 | 闸房维护 | 个 | 1 | 1 |  | | 3.3 | 管理站保洁 | 年 | 1 | 1 |  | | 3.4 | 消力池检修 | 项 | 1 | 1 | 对消力池淤积物进行清理外运；对池壁周围等杂物进行清除；对池壁完整性进行检查，检查是否有裂缝、破损等，发现问题，及时处理。 | | 3.5 | 计量表井盖更新 |  |  |  | 设置施工围挡，破碎铲除水泥路面，搭钢筋支架浇筑混凝土路面，定制国标耐压井盖，安装爬梯，安装防坠网，垃圾外运。 | | 3.5.1 | 混凝土路面恢复 | ㎡ | 9 | 1 |  | | 3.5.2 | 水泥路面铲除 | m3 | 5.5 | 1 |  | | 3.5.3 | 施工围挡 | m | 12 | 1 |  | | 3.5.4 | 耐压井盖 | 个 | 1 | 1 |  | | 3.5.5 | 爬梯 | 项 | 1 | 1 | 含人工费 | | 3.5.6 | 建筑垃圾清理外运 | 车 | 1 | 1 |  | | 3.6 | 红旗站闸房内粘贴反光条 | m | 90 | 1 | 根据安全标准化要求粘贴反光条。 | | 3.7 | 红旗站办公楼电路改造 |  |  |  | 根据安全标准化要求，墙面刻槽，安装接地线，恢复墙面。 | | 3.7.1 | 墙面刻槽 | 米 | 530 | 1 |  | | 3.7.2 | 墙面恢复 | 米 | 530 | 1 |  | | 3.7.3 | 材料电线 | 卷 | 7 | 1 | 4mm2多芯铜线，其中15米接地为10mm2多芯铜线、含接地针 | | 3.7.4 | pvc线管 | 根 | 120 | 1 |  | | 3.7.5 | 3孔插座 | 个 | 16 | 1 |  | | 3.8 | 红旗站办公楼前雨棚更换 | ㎡ | 10 | 1 |  | | 3.9 | 红旗站内明渠段加装护栏 | m | 65 | 1 |  | | 4 | 东曹管理站维护 |  |  |  |  | | 4.1 | 生物观测池维护 | 项 | 1 | 1 | 观测池池底池面干净，无漂浮杂草、落叶等，水质良好，水泵等设施运行良好，池壁无破损等。 | | 4.2 | 东曹管理站厨房改造 |  |  |  | 厨房橱柜定做，更换抽油烟机，更换吊顶灯，墙面、地面地砖铲除重铺，更换厨房门，吊顶换新，线路重组，更换水盆水龙头，餐厅更换吊顶，粉刷墙面，更换插座，吊顶灯等 | | 4.2.1 | 石英石台面多层木柜实木面 | 米 | 5 | 1 |  | | 4.2.2 | 水池盆 | 个 | 1 | 1 |  | | 4.2.3 | 镀锌全铜带电加热器龙头 | 个 | 1 | 1 |  | | 4.2.4 | 抽油烟机 | 台 | 1 | 1 |  | | 4.2.5 | 83\*195cm铝合金带套玻璃门 | 套 | 1 | 1 |  | | 4.2.6 | 墙面、地面全部铲除 | m3 | 2.5 | 1 |  | | 4.2.7 | 墙面、地面全部砌瓷砖 | ㎡ | 50 | 1 |  | | 4.2.8 | 用碳晶板装修墙面 | ㎡ | 55 | 1 |  | | 4.2.9 | 厨房墙面全部刮腻子粉、乳胶漆刷白 | ㎡ | 80 | 1 |  | | 4.2.10 | 实木踢脚线 | 米 | 17 | 1 |  | | 4.2.11 | 铝扣本吊顶 | ㎡ | 35 | 1 |  | | 4.2.12 | 插座 | 个 | 14 | 1 |  | | 4.2.13 | 开关 | 个 | 5 | 1 |  | | 4.2.14 | 40kWh厨房餐、客厅吊顶灯 | 个 | 5 | 1 |  | | 4.2.15 | 电线 | 米 | 150 | 1 |  | | 4.2.17 | 建筑垃圾外运 | 车 | 1 | 1 |  | | 4.2.18 | 150\*180cm断桥铝金钢纱 | 套 | 1 | 1 |  | | 4.2.19 | 旧窗户拆除及更换 | 项 | 1 | 1 |  | | 4.2.20 | 吊柜 | 米 | 2 | 1 |  | | 4.2.21 | 厨房内瓷砖美缝 | ㎡ | 40 | 1 |  | | 4.2.22 | 厨房内主管道安装前置过滤器 | 个 | 1 | 1 |  | | 4.3 | 东曹管理站卫生间改造 |  |  |  | 断桥铝窗、钛镁合金门定做；安装卫生间冲水箱、蹲便池、厕所门、浴霸、电热水器、淋浴器、换气扇，更换吊顶灯；墙面、地面地砖铲除重铺；卫生间水路改造、电路改造、做防水、吊顶；拆除旧门、旧窗及维修、垃圾外运等。 | | 4.3.1 | 90\*195cm钛镁合金门双包套 | 套 | 1 | 1 |  | | 4.3.2 | 150\*180cm断桥铝窗 | 套 | 1 | 1 |  | | 4.3.3 | 拆除旧门、旧窗及修补 | 项 | 1 | 1 |  | | 4.3.4 | 墙面和地面铲除 | m³ | 3 | 1 |  | | 4.3.5 | 墙面和地面砌瓷砖 | ㎡ | 40 | 1 |  | | 4.3.6 | 防水 | ㎡ | 40 | 1 |  | | 4.3.7 | 水路改造 | ㎡ | 40 | 1 |  | | 4.3.8 | 电路改造 | ㎡ | 40 | 1 |  | | 4.3.9 | 蹲便池 | 个 | 2 | 1 |  | | 4.3.10 | 冲水箱 | 套 | 2 | 1 |  | | 4.3.11 | 90\*195cm厕所门 | 套 | 2 | 1 |  | | 4.3.12 | 铝扣板吊顶 | ㎡ | 20 | 1 |  | | 4.3.13 | 40kWh吊顶灯 | 个 | 4 | 1 |  | | 4.3.14 | 浴霸 | 个 | 1 | 1 |  | | 4.3.15 | 60升电热水器 | 个 | 1 | 1 |  | | 4.3.16 | 淋浴器 | 套 | 1 | 1 |  | | 4.3.17 | 换气扇 | 个 | 1 | 1 |  | | 4.3.18 | 垃圾清运 | 车 | 1 | 1 |  | | 4.4 | 绿化管护（一年） | 次 | 12 | 1 | 绿化树木、绿篱及时修剪、浇水、防虫，无病虫枝、徒长枝、死株，绿篱剪口平滑、美观；绿地及时清除杂草，植草高度不得超过30厘米。 | | 4.5 | 屋顶漏水修复 | ㎡ | 345 | 1 | 刷三遍防水胶、一油防水卷材铺设，楼顶石棉瓦砖等建筑垃圾清理，垃圾外运。 | | 4.6 | 安全警示标识牌更新 | 项 | 1 | 1 | 根据安全标准化要求制作安装标识牌。 | | 4.7 | 东曹站办公楼前雨棚更换 | ㎡ | 12 | 1 |  | | 4.8 | 管理站保洁 | 年 | 1 | 1 |  | | 5 | 水情水质监测设备维护 |  |  |  |  | | 5.1 | 东曹分流池水质监测设备保养 | 站 | 1 | 1 | 在线水质监测系统半年检查一次，检查探头安装是否稳固，对电极用纱布进行轻拭擦洗，对探头周围沉积物及时清理，检查电极稳定性，探头是否有漂移现象，胶皮是否出现划痕、开裂、膨胀等及时解决维护。 | | 5.2 | 红旗分流池水质监测设备保养 | 站 | 1 | 1 | 在线水质监测系统半年检查一次，检查探头安装是否稳固，对电极用纱布进行轻拭擦洗，对探头周围沉积物及时清理，检查电极稳定性，探头是否有漂移现象，胶皮是否出现划痕、开裂、膨胀等及时解决维护。 | | 5.3 | 计量表及传感器保养维护维修 | 站 | 3 | 1 | 传感器半年保养维护维修一次，对各设备进行检测维护检修，所需耗材另计，对观测井进行清洗、井内无沉淀淤积；对浮球进行维护保养，保证正常工作。 | | 5.4 | 太阳能供电设备保养维护 | 台 | 3 | 1 | 每半年维护一次，检查明线是否松脱、垂落、损伤，有无其他物品触碰导线，室外太阳能板等是否破裂，导线垂度是否过大；检查导线绝缘是否老化，无变焦、变脆现象；金属管连接地线有无脱落或腐蚀；检查各用电开关、灯头、插座等电器是否牢固，接地电阻是否符合规定，有无伤痕和腐蚀等。 | | 5.5 | 红旗站备用电源检修 | 台 | 1 | 1 |  | | 三 | 其它费用 | % |  | 4 | 包含评审费、保险费及其他不可预见的其他费用，按基本费用的4%计。 | | 四 | 安全生产措施费 | % |  | 2.5 | 按基本费用的2.5%计。 | |