

| FORMATO RESUMEN EJECUTIVO DEL ESTUDIO DE POSIBILIDADES QUE OFRECE EL MERCADO (OBRAS NO SUJETAS A LAS MODALIDADES DE EJECUCIÓN CONTRACTUAL DE LLAVE EN MANO Y CONCURSO OFERTA) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 1. DATOS GENERALES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.1 FECHA DE EMISIÓN DEL FORMATO | | 12/09/2024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.2 DEPENDENCIA USUARIA | | GERENCIA DE OPERACIONES Y MANTENIMIENTO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.3 DENOMINACIÓN DE LA OBRA | | OBRA: "CONTRATACIÓN DE LA EJECUCIÓN DE LA OBRA CONSTRUCCION DE POZO, LINEA DE IMPULSION Y LINEA DE CONDUCCION, RENOVACION DE CONEXIONES DOMICILIAREAS DE AGUA POTABLE EN LA SECTORIZACION PROGRESIVA DE AREAS CRITICAS (SECTOR N° 02 y 03), FICHA TECNICA FT-GO-01, DISTRITO DE HUARAL, PROVINCIA DE HUARAL, DEPARTAMENTO DE LIMA CODIGO DE INVERSION N° 2432852" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.4 N° DE REFERENCIA DEL PAC | | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.5 LA OBRA SE ENCUENTRA EN EL MARCO DE UN PROYECTO DE INVERSIÓN PÚBLICA | | | | | SI | X | | NO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.6 PROYECTO DE INVERSIÓN PÚBLICA | Código SNIP | 2432852 | | Documento que declaró la viabilidad, conforme al Sistema Nacional de Inversión Pública | | | | FORMATO N° 02 - APROBADO 09/11/2018 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | NIVEL DE ESTUDIO DE PREINVERSIÓN | Perfil Simplificado | | | Perfil | | | Factibilidad | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Elaborado por | | | | Aprobado por | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Documento de aprobación | | | | Fecha de aprobación | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. INFORMACIÓN SOBRE EL EXPEDIENTE TÉCNICO DE OBRA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.1 SEÑALAR COMO SE EFECTUARÁ LA CONTRATACIÓN | | OBRA TOTAL | | X | | ETAPA | | TRAMO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | Indicar el sustento técnico que motivó la contratación por etapa o tramo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.2 SEÑALAR SI LA CONTRATACIÓN SE EFECTUARÁ POR ITEMS | | SI | | | | NO | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.3 REQUERIMIENTOS TÉCNICOS MÍNIMOS (RTM) | | PLAZO DE EJECUCIÓN | | 180 días calendario. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | RELACIÓN DE EQUIPO MÍNIMO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | <table border="1"> <thead> <tr> <th>N°</th> <th>EQUIPAMIENTO MINIMO</th> <th>CANTIDAD</th> </tr> </thead> <tbody> <tr><td>1</td><td>CAMION CISTERNA DE 2000 GLN</td><td>1</td></tr> <tr><td>2</td><td>CAMION VOLQUETE DE 15 M3</td><td>1</td></tr> <tr><td>3</td><td>RETROEXCAVADORA C/LLANTAS 80-110 HP, 0.501.3Y3</td><td>1</td></tr> <tr><td>4</td><td>COMPACTADOR VIBR TIPO PLANCHA 7 HP</td><td>1</td></tr> <tr><td>5</td><td>COMPRESORA NEUMÁTICA 76 HP 125-175 PCM</td><td>1</td></tr> <tr><td>6</td><td>MARTILLO NEUMATICO DE 21 KG</td><td>2</td></tr> <tr><td>7</td><td>MEZCLADORA DE CONCRETO 11 P3</td><td>1</td></tr> <tr><td>8</td><td>ESTACION TOTAL</td><td>1</td></tr> <tr><td>9</td><td>PORTA PRISMA</td><td>2</td></tr> <tr><td>10</td><td>WINCHAS</td><td>1</td></tr> <tr><td>11</td><td>MOTONIVELADORA 130-135 HP</td><td>1</td></tr> <tr><td>12</td><td>CAMION GRUA (BRAZO ARTICULADO)</td><td>1</td></tr> <tr><td>13</td><td>CORTADORA DE ASFALTO</td><td>1</td></tr> <tr><td>14</td><td>VIBRADOR DE CONCRETO 4 HP 1.25"</td><td>1</td></tr> <tr><td>15</td><td>COMPACTADORA TIPO PLANCHA DE 7 HP</td><td>1</td></tr> </tbody> </table> | | | | | | | | N° | EQUIPAMIENTO MINIMO | CANTIDAD | 1 | CAMION CISTERNA DE 2000 GLN | 1 | 2 | CAMION VOLQUETE DE 15 M3 | 1 | 3 | RETROEXCAVADORA C/LLANTAS 80-110 HP, 0.501.3Y3 | 1 | 4 | COMPACTADOR VIBR TIPO PLANCHA 7 HP | 1 | 5 | COMPRESORA NEUMÁTICA 76 HP 125-175 PCM | 1 | 6 | MARTILLO NEUMATICO DE 21 KG | 2 | 7 | MEZCLADORA DE CONCRETO 11 P3 | 1 | 8 | ESTACION TOTAL | 1 | 9 | PORTA PRISMA | 2 | 10 | WINCHAS | 1 | 11 | MOTONIVELADORA 130-135 HP | 1 | 12 | CAMION GRUA (BRAZO ARTICULADO) | 1 | 13 | CORTADORA DE ASFALTO | 1 | 14 | VIBRADOR DE CONCRETO 4 HP 1.25" | 1 | 15 | COMPACTADORA TIPO PLANCHA DE 7 HP | 1 |
| | | N° | EQUIPAMIENTO MINIMO | CANTIDAD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1 | CAMION CISTERNA DE 2000 GLN | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | CAMION VOLQUETE DE 15 M3 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | RETROEXCAVADORA C/LLANTAS 80-110 HP, 0.501.3Y3 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | COMPACTADOR VIBR TIPO PLANCHA 7 HP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | COMPRESORA NEUMÁTICA 76 HP 125-175 PCM | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | MARTILLO NEUMATICO DE 21 KG | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | MEZCLADORA DE CONCRETO 11 P3 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | ESTACION TOTAL | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | PORTA PRISMA | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | WINCHAS | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | MOTONIVELADORA 130-135 HP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | CAMION GRUA (BRAZO ARTICULADO) | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | CORTADORA DE ASFALTO | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14 | VIBRADOR DE CONCRETO 4 HP 1.25" | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 15 | COMPACTADORA TIPO PLANCHA DE 7 HP | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CARACTERÍSTICAS DEL EQUIPO MÍNIMO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| RELACIÓN DEL PERSONAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INGENIERO RESIDENTE ASISTENTE DEL RESIDENTE ESPECIALISTA MECÁNICO ELÉCTRICO. ESPECIALISTA AMBIENTAL. ESPECIALISTA DE SEGURIDAD. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| FORMATO | | | | | | | |
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| RESUMEN EJECUTIVO DEL ESTUDIO DE POSIBILIDADES QUE OFRECE EL MERCADO (OBRAS NO SUJETAS A LAS MODALIDADES DE EJECUCIÓN CONTRACTUAL DE LLAVE EN MANO Y CONCURSO OFERTA) | | | | | | | |
| | | PERFIL MÍNIMO DEL PERSONAL | | | | | |
| | | INGENIERO RESIDENTE Título profesional de Ingeniero Sanitario o Civil. • ASISTENTE DEL RESIDENTE Título profesional de Ingeniero Sanitario o Civil. • ESPECIALISTA MECÁNICO ELÉCTRICO. Título profesional de Ingeniero Mecánico eléctrico. • ESPECIALISTA AMBIENTAL. Título profesional de Ingeniero Ambiental. • ESPECIALISTA DE SEGURIDAD. Título profesional de Seguridad | | | | | |
| | | OTROS | | | | | |
| 2.4 | | CONDICIONES DE LA CONTRATACIÓN | ADELANTO DIRECTO OTROS | X | ADELANTO PARA MATERIALES O INSUMOS | X | |
| 2.5 | | FUENTES DE INFORMACIÓN QUE SIRVIERON PARA VERIFICAR LA EXISTENCIA DE OFERTA EN EL MERCADO CON LA CAPACIDAD PARA CUMPLIR CON LOS RTM <i>Indicar y sustentar las fuentes de información que sirvieron para verificar la existencia de oferta en el mercado con la capacidad para cumplir con los RTM relacionados al equipo mínimo y al perfil mínimo del personal.</i> | | | | | |
| 2.6 | | ASPECTOS CONSIDERADOS EN EL EXPEDIENTE TÉCNICO Teniendo en cuenta las fuentes de información que sirvieron para verificar la existencia de oferta en el mercado, señalar en cada caso los aspectos que se consideraron o no en el Expediente Técnico. | | | | | |
| | | Sobre la fuente de información N° 1 | | | | | |
| | | Sobre la fuente de información N° 2 | | | | | |
| | | Sobre la fuente de información N° 3 | | | | | |
| 2.7 | | ELABORACION Y APROBACIÓN DEL EXPEDIENTE TÉCNICO | Elaborado por Documento de aprobación | MANUEL MARTIN ALTAMIRANO PAREDES RESOLUCION DE GERENCIA N° 082-2024-EPS EMAPA HUARAL S.A./GG | Aprobado por Fecha de aprobacion | GERENCIA GENERAL 11/09/2024 | |
| 2.8 | | OBSERVACIONES AL EXPEDIENTE TÉCNICO FORMULADAS POR EL ÓRGANO ENCARGADO DE LAS CONTRATACIONES | | | | | |
| | | N° Item | Cantidad de observaciones | Comunicación con la cual se remitió las observaciones a la dependencia responsable de la elaboración del expediente técnico y/o consultor | | Fecha de remisión de la comunicación | |
| | | | | | | | |
| | | Consignar una síntesis de las observaciones: | | | | | |
| 2.9 | | RESPUESTA DE LA DEPENDENCIA RESPONSABLE DE LA ELABORACIÓN DEL EXPEDIENTE TÉCNICO Y/O CONSULTOR | | | | | |
| | | N° Item | Cantidad de respuestas a las observaciones | Comunicación de respuesta de la dependencia responsable de la elaboración del expediente técnico y/o consultor | | Fecha de remisión de la comunicación | |
| | | | | | | | |
| | | Consignar una síntesis de las respuestas a las observaciones: | | | | | |
| 2.1 | | AJUSTES QUE SE REALIZARON AL EXPEDIENTE TÉCNICO | | | | | |
| | | N° Item | Ajustes realizados al expediente técnico | | | | |
| | | | | | | | |
| 2.11 | | NUEVA APROBACIÓN DEL EXPEDIENTE TÉCNICO DE OBRA | SI Documento de aprobación | X RESOLUCION DE GERENCIA GENERAL N° 082-2024-EMAPA HUARAL S.A./GG | NO Aprobado por | HENRY HURTADO CRUZ Fecha de aprobación | 11/09/2024 |
| 3. INFORMACIÓN SOBRE LA DETERMINACIÓN DEL VALOR REFERENCIAL | | | | | | | |

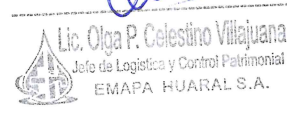
FORMATO
RESUMEN EJECUTIVO DEL ESTUDIO DE POSIBILIDADES QUE OFRECE EL MERCADO (OBRAS NO SUJETAS A LAS MODALIDADES DE EJECUCIÓN CONTRACTUAL DE LLAVE EN MANO Y CONCURSO OFERTA)

| 3.1 | PRESUPUESTO DE OBRA | | | | | | | | | | | | | | | | | |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------------------|--|-------------|---------|---------------|--------------|---------------------------|------------|--------------------|------------|-----------------|---------------------|---------------------|------------|------------------------------|---------------------|
| | Fecha de determinación del presupuesto de obra | 9/08/2021 | | | | | | | | | | | | | | | | |
| | Consignar el detalle del presupuesto de obra: | | | | | | | | | | | | | | | | | |
| | <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th colspan="2">PRESUPUESTO CONSOLIDADO (\$/)</th> </tr> <tr> <th>DESCRIPCIÓN</th> <th>IMPORTE</th> </tr> <tr> <td>COSTO DIRECTO</td> <td>2,302,320.73</td> </tr> <tr> <td>GASTOS GENERALES (16.37%)</td> <td>376,889.90</td> </tr> <tr> <td>UTILIDADES (8.00%)</td> <td>184,185.66</td> </tr> <tr> <td>SUBTOTAL</td> <td>2,863,396.29</td> </tr> <tr> <td>IMPUESTOS IGV (18%)</td> <td>515,411.33</td> </tr> <tr> <td>TOTAL DEL PRESUPUESTO</td> <td>3,378,807.62</td> </tr> </table> | | PRESUPUESTO CONSOLIDADO (\$/) | | DESCRIPCIÓN | IMPORTE | COSTO DIRECTO | 2,302,320.73 | GASTOS GENERALES (16.37%) | 376,889.90 | UTILIDADES (8.00%) | 184,185.66 | SUBTOTAL | 2,863,396.29 | IMPUESTOS IGV (18%) | 515,411.33 | TOTAL DEL PRESUPUESTO | 3,378,807.62 |
| PRESUPUESTO CONSOLIDADO (\$/) | | | | | | | | | | | | | | | | | | |
| DESCRIPCIÓN | IMPORTE | | | | | | | | | | | | | | | | | |
| COSTO DIRECTO | 2,302,320.73 | | | | | | | | | | | | | | | | | |
| GASTOS GENERALES (16.37%) | 376,889.90 | | | | | | | | | | | | | | | | | |
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| TOTAL DEL PRESUPUESTO | 3,378,807.62 | | | | | | | | | | | | | | | | | |

| 3.2 | DESAGREGADO DE GASTOS GENERALES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="4">DESAGREGADO DE GASTOS GENERALES</th> </tr> <tr> <td style="width: 10%;">Proyecto</td> <td colspan="3">"CONSTRUCCION DE POZO, LINEA DE IMPULSION Y LINEA DE CONDUCCION, RENOVACION DE CONEXIONES DOMICILIARIAS DE AGUA POTABLE EN LA SECTORIZACION PROGRESIVA DE AREAS OPERATIVAS CRITICAS (SECTOR N° 02 Y 03), FICHA TECNICA FT-GO-01, DISTRITO DE HUARAL-PROVINCIA DE HUARAL-DEPARTAMENTO DE LIMA- CODIGO DE INVERSION N° 2432852"</td> </tr> <tr> <td>Lugar</td> <td colspan="3">LIMA - HUARAL - HUARAL</td> </tr> <tr> <td>Plazo</td> <td>6 meses</td> <td>(Obra) al</td> <td>4/30/2024</td> </tr> <tr> <td>C.D.</td> <td>5/</td> <td colspan="2">2,302,320.73 Soles</td> </tr> </table> | | DESAGREGADO DE GASTOS GENERALES | | | | Proyecto | "CONSTRUCCION DE POZO, LINEA DE IMPULSION Y LINEA DE CONDUCCION, RENOVACION DE CONEXIONES DOMICILIARIAS DE AGUA POTABLE EN LA SECTORIZACION PROGRESIVA DE AREAS OPERATIVAS CRITICAS (SECTOR N° 02 Y 03), FICHA TECNICA FT-GO-01, DISTRITO DE HUARAL-PROVINCIA DE HUARAL-DEPARTAMENTO DE LIMA- CODIGO DE INVERSION N° 2432852" | | | Lugar | LIMA - HUARAL - HUARAL | | | Plazo | 6 meses | (Obra) al | 4/30/2024 | C.D. | 5/ | 2,302,320.73 Soles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DESAGREGADO DE GASTOS GENERALES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Proyecto | "CONSTRUCCION DE POZO, LINEA DE IMPULSION Y LINEA DE CONDUCCION, RENOVACION DE CONEXIONES DOMICILIARIAS DE AGUA POTABLE EN LA SECTORIZACION PROGRESIVA DE AREAS OPERATIVAS CRITICAS (SECTOR N° 02 Y 03), FICHA TECNICA FT-GO-01, DISTRITO DE HUARAL-PROVINCIA DE HUARAL-DEPARTAMENTO DE LIMA- CODIGO DE INVERSION N° 2432852" | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Lugar | LIMA - HUARAL - HUARAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plazo | 6 meses | (Obra) al | 4/30/2024 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C.D. | 5/ | 2,302,320.73 Soles | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <tr> <th>Item</th> <th>Descripción</th> <th>Cant</th> <th>Costo Mensual (\$/.)</th> <th>Factor</th> <th>Tiempo (meses)</th> <th>Parcial (\$/.)</th> </tr> <tr> <td colspan="7">GASTOS VARIABLES</td> </tr> <tr> <td>1.00</td> <td>DIRECCION TECNICA</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1.01</td> <td>Ingeniero Residente - Jefe de Obra</td> <td>1</td> <td>10,000.00</td> <td>1.00</td> <td>6.00</td> <td>60,000.00</td> </tr> <tr> <td>1.02</td> <td>Ingeniero de Seguridad</td> <td>1</td> <td>8,000.00</td> <td>1.00</td> <td>6.00</td> <td>48,000.00</td> </tr> <tr> <td>1.03</td> <td>Ingeniero Mecánico Eléctrico</td> <td>1</td> <td>8,000.00</td> <td>1.00</td> <td>3.00</td> <td>24,000.00</td> </tr> <tr> <td>1.04</td> <td>Ingeniero Ambiental</td> <td>1</td> <td>8,000.00</td> <td>1.00</td> <td>6.00</td> <td>48,000.00</td> </tr> <tr> <td>1.05</td> <td>Ingeniero de Calidad</td> <td>1</td> <td>8,000.00</td> <td>1.00</td> <td>6.00</td> <td>48,000.00</td> </tr> <tr> <td>1.06</td> <td>Ingeniero Asistente</td> <td>1</td> <td>6,500.00</td> <td>1.00</td> <td>6.00</td> <td>39,000.00</td> </tr> <tr> <td>2.00</td> <td>PERSONAL</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2.01</td> <td>Maestro de Obra</td> <td>1</td> <td>3,500.00</td> <td>1.00</td> <td>6.00</td> <td>21,000.00</td> </tr> <tr> <td>2.02</td> <td>Guardian</td> <td>1</td> <td>1,500.00</td> <td>1.00</td> <td>6.00</td> <td>9,000.00</td> </tr> <tr> <td>2.03</td> <td>Almacenero</td> <td>1</td> <td>1,500.00</td> <td>1.00</td> <td>6.00</td> <td>9,000.00</td> </tr> <tr> <td>2.04</td> <td>Chofer</td> <td>1</td> <td>3,000.00</td> <td>1.00</td> <td>6.00</td> <td>18,000.00</td> </tr> <tr> <td>3.00</td> <td>SERVICIOS</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3.01</td> <td>Alquiler de Camioneta 4x4</td> <td>1</td> <td>3,000.00</td> <td>1.00</td> <td>6.00</td> <td>18,000.00</td> </tr> <tr> <td>3.02</td> <td>Impresiones, fotocopias, ploteo de planos y legalización de documentos</td> <td>1</td> <td>700.00</td> <td>1.00</td> <td>6.00</td> <td>4,200.00</td> </tr> <tr> <td>3.03</td> <td>Gasolina (Promedio de 3 galones diario x 17.00 x 30 días)</td> <td>1</td> <td>1,530.00</td> <td>1.00</td> <td>6.00</td> <td>9,180.00</td> </tr> <tr> <td>4.00</td> <td>CONTROL DE CALIDAD</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4.01</td> <td>Ratura de Probetas de Concreto</td> <td>25</td> <td>48.00</td> <td>1.00</td> <td>1.00</td> <td>1,200.00</td> </tr> <tr> <td>4.02</td> <td>Ensayo de Diseño de Mezcla</td> <td>1</td> <td>380.00</td> <td>1.00</td> <td>1.00</td> <td>380.00</td> </tr> <tr> <td>4.03</td> <td>Proctor Modificado</td> <td>1</td> <td>250.00</td> <td>1.00</td> <td>1.00</td> <td>250.00</td> </tr> <tr> <td>4.04</td> <td>Granulometría</td> <td>1</td> <td>150.00</td> <td>1.00</td> <td>1.00</td> <td>150.00</td> </tr> <tr> <td>4.05</td> <td>Límite Plástico</td> <td>1</td> <td>40.00</td> <td>1.00</td> <td>1.00</td> <td>40.00</td> </tr> <tr> <td>4.06</td> <td>Límite Líquido</td> <td>1</td> <td>40.00</td> <td>1.00</td> <td>1.00</td> <td>40.00</td> </tr> <tr> <td>4.07</td> <td>Prueba a la compresión del concreto</td> <td>25</td> <td>25.00</td> <td>1.00</td> <td>1.00</td> <td>625.00</td> </tr> <tr> <td>4.08</td> <td>Ensayo de Densidad in situ</td> <td>40</td> <td>50.00</td> <td>1.00</td> <td>1.00</td> <td>2,000.00</td> </tr> <tr> <td>5.00</td> <td>SEGUROS Y POLIZAS</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Seguros de Accidentes Personales</td> <td>1%</td> <td>5/ 2,302,320.73</td> <td>100%</td> <td>30%</td> <td>6,837.89</td> </tr> <tr> <td></td> <td>Emisión de Pólizas</td> <td>1</td> <td>6,837.89</td> <td>1.00</td> <td>1%</td> <td>68.38</td> </tr> <tr> <td>4.00</td> <td>GASTOS DE LIQUIDACIÓN DE CONTRATO</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4.01</td> <td>Liquidación de obra</td> <td>1</td> <td>9,918.63</td> <td>1.00</td> <td>1.00</td> <td>9,918.63</td> </tr> <tr> <td colspan="2">TOTAL DE GASTOS GENERALES VARIABLES</td> <td></td> <td></td> <td></td> <td></td> <td>376,889.90</td> </tr> <tr> <td colspan="2">TOTAL GASTOS GENERALES (SOLES)</td> <td></td> <td></td> <td></td> <td></td> <td>376,889.90</td> </tr> <tr> <td colspan="2">PORCENTAJE DE GASTOS GENERALES</td> <td>GG.</td> <td></td> <td></td> <td></td> <td>16.37%</td> </tr> </table> | | Item | Descripción | Cant | Costo Mensual (\$/.) | Factor | Tiempo (meses) | Parcial (\$/.) | GASTOS VARIABLES | | | | | | | 1.00 | DIRECCION TECNICA | | | | | | 1.01 | Ingeniero Residente - Jefe de Obra | 1 | 10,000.00 | 1.00 | 6.00 | 60,000.00 | 1.02 | Ingeniero de Seguridad | 1 | 8,000.00 | 1.00 | 6.00 | 48,000.00 | 1.03 | Ingeniero Mecánico Eléctrico | 1 | 8,000.00 | 1.00 | 3.00 | 24,000.00 | 1.04 | Ingeniero Ambiental | 1 | 8,000.00 | 1.00 | 6.00 | 48,000.00 | 1.05 | Ingeniero de Calidad | 1 | 8,000.00 | 1.00 | 6.00 | 48,000.00 | 1.06 | Ingeniero Asistente | 1 | 6,500.00 | 1.00 | 6.00 | 39,000.00 | 2.00 | PERSONAL | | | | | | 2.01 | Maestro de Obra | 1 | 3,500.00 | 1.00 | 6.00 | 21,000.00 | 2.02 | Guardian | 1 | 1,500.00 | 1.00 | 6.00 | 9,000.00 | 2.03 | Almacenero | 1 | 1,500.00 | 1.00 | 6.00 | 9,000.00 | 2.04 | Chofer | 1 | 3,000.00 | 1.00 | 6.00 | 18,000.00 | 3.00 | SERVICIOS | | | | | | 3.01 | Alquiler de Camioneta 4x4 | 1 | 3,000.00 | 1.00 | 6.00 | 18,000.00 | 3.02 | Impresiones, fotocopias, ploteo de planos y legalización de documentos | 1 | 700.00 | 1.00 | 6.00 | 4,200.00 | 3.03 | Gasolina (Promedio de 3 galones diario x 17.00 x 30 días) | 1 | 1,530.00 | 1.00 | 6.00 | 9,180.00 | 4.00 | CONTROL DE CALIDAD | | | | | | 4.01 | Ratura de Probetas de Concreto | 25 | 48.00 | 1.00 | 1.00 | 1,200.00 | 4.02 | Ensayo de Diseño de Mezcla | 1 | 380.00 | 1.00 | 1.00 | 380.00 | 4.03 | Proctor Modificado | 1 | 250.00 | 1.00 | 1.00 | 250.00 | 4.04 | Granulometría | 1 | 150.00 | 1.00 | 1.00 | 150.00 | 4.05 | Límite Plástico | 1 | 40.00 | 1.00 | 1.00 | 40.00 | 4.06 | Límite Líquido | 1 | 40.00 | 1.00 | 1.00 | 40.00 | 4.07 | Prueba a la compresión del concreto | 25 | 25.00 | 1.00 | 1.00 | 625.00 | 4.08 | Ensayo de Densidad in situ | 40 | 50.00 | 1.00 | 1.00 | 2,000.00 | 5.00 | SEGUROS Y POLIZAS | | | | | | | Seguros de Accidentes Personales | 1% | 5/ 2,302,320.73 | 100% | 30% | 6,837.89 | | Emisión de Pólizas | 1 | 6,837.89 | 1.00 | 1% | 68.38 | 4.00 | GASTOS DE LIQUIDACIÓN DE CONTRATO | | | | | | 4.01 | Liquidación de obra | 1 | 9,918.63 | 1.00 | 1.00 | 9,918.63 | TOTAL DE GASTOS GENERALES VARIABLES | | | | | | 376,889.90 | TOTAL GASTOS GENERALES (SOLES) | | | | | | 376,889.90 | PORCENTAJE DE GASTOS GENERALES | | GG. | | | | 16.37% |
| Item | Descripción | Cant | Costo Mensual (\$/.) | Factor | Tiempo (meses) | Parcial (\$/.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| GASTOS VARIABLES | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.00 | DIRECCION TECNICA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.01 | Ingeniero Residente - Jefe de Obra | 1 | 10,000.00 | 1.00 | 6.00 | 60,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.02 | Ingeniero de Seguridad | 1 | 8,000.00 | 1.00 | 6.00 | 48,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.03 | Ingeniero Mecánico Eléctrico | 1 | 8,000.00 | 1.00 | 3.00 | 24,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.04 | Ingeniero Ambiental | 1 | 8,000.00 | 1.00 | 6.00 | 48,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.05 | Ingeniero de Calidad | 1 | 8,000.00 | 1.00 | 6.00 | 48,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1.06 | Ingeniero Asistente | 1 | 6,500.00 | 1.00 | 6.00 | 39,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.00 | PERSONAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.01 | Maestro de Obra | 1 | 3,500.00 | 1.00 | 6.00 | 21,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.02 | Guardian | 1 | 1,500.00 | 1.00 | 6.00 | 9,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.03 | Almacenero | 1 | 1,500.00 | 1.00 | 6.00 | 9,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2.04 | Chofer | 1 | 3,000.00 | 1.00 | 6.00 | 18,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.00 | SERVICIOS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.01 | Alquiler de Camioneta 4x4 | 1 | 3,000.00 | 1.00 | 6.00 | 18,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.02 | Impresiones, fotocopias, ploteo de planos y legalización de documentos | 1 | 700.00 | 1.00 | 6.00 | 4,200.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3.03 | Gasolina (Promedio de 3 galones diario x 17.00 x 30 días) | 1 | 1,530.00 | 1.00 | 6.00 | 9,180.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.00 | CONTROL DE CALIDAD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.01 | Ratura de Probetas de Concreto | 25 | 48.00 | 1.00 | 1.00 | 1,200.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.02 | Ensayo de Diseño de Mezcla | 1 | 380.00 | 1.00 | 1.00 | 380.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.03 | Proctor Modificado | 1 | 250.00 | 1.00 | 1.00 | 250.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.04 | Granulometría | 1 | 150.00 | 1.00 | 1.00 | 150.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.05 | Límite Plástico | 1 | 40.00 | 1.00 | 1.00 | 40.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.06 | Límite Líquido | 1 | 40.00 | 1.00 | 1.00 | 40.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.07 | Prueba a la compresión del concreto | 25 | 25.00 | 1.00 | 1.00 | 625.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.08 | Ensayo de Densidad in situ | 40 | 50.00 | 1.00 | 1.00 | 2,000.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5.00 | SEGUROS Y POLIZAS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Seguros de Accidentes Personales | 1% | 5/ 2,302,320.73 | 100% | 30% | 6,837.89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Emisión de Pólizas | 1 | 6,837.89 | 1.00 | 1% | 68.38 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.00 | GASTOS DE LIQUIDACIÓN DE CONTRATO | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4.01 | Liquidación de obra | 1 | 9,918.63 | 1.00 | 1.00 | 9,918.63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL DE GASTOS GENERALES VARIABLES | | | | | | 376,889.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL GASTOS GENERALES (SOLES) | | | | | | 376,889.90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PORCENTAJE DE GASTOS GENERALES | | GG. | | | | 16.37% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | |
|------------------------------|--------|----------------------------------------------------------------------------------------------------------|----------|---------|-------|---------------------|
| 3.3 VALOR REFERENCIAL | MONEDA | Nuevos Soles | X | Dólares | Otro: | Señalar otra moneda |
| | MONTO | S/ 3'378,807.62 (Tres Millones Trescientos Setenta y Ocho Mil Ochocientos Siete con 62/100 soles) | | | | |

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|----------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|----------|--|
| 4. INFORMACIÓN RELEVANTE ADICIONAL DEL ESTUDIO DE POSIBILIDADES QUE OFRECE EL MERCADO | | | | | |
| 4.1 | PLURALIDAD DE PROVEEDORES QUE CUMPLEN CON LOS RTM | SI | NO | | |
| | <i>De ser afirmativa la respuesta, identificar a los proveedores que cumplen con los RTM. De lo contrario, indicar la evaluación de la Entidad respecto de la falta de pluralidad de proveedores.</i> | | | | |
| 4.2 | SOBRE LA INFORMACIÓN QUE PUEDA UTILIZARSE PARA LA DETERMINACIÓN DE LOS FACTORES DE EVALUACIÓN (Aplicable para LP, ADP y AMC Derivada de LP y ADP) | SI | NO | X | |
| | <i>De ser afirmativa la respuesta, detallar la información que pueda utilizarse para la determinación de los factores de evaluación.</i> | | | | |

| FORMATO | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|----|---|
| RESUMEN EJECUTIVO DEL ESTUDIO DE POSIBILIDADES QUE OFRECE EL MERCADO (OBRAS NO SUJETAS A LAS MODALIDADES DE EJECUCIÓN CONTRACTUAL DE LLAVE EN MANO Y CONCURSO OFERTA) | | | | |
| 4.3 | SOBRE OTROS ASPECTOS NECESARIOS QUE TENGAN INCIDENCIA EN LA EFICIENCIA DE LA CONTRATACIÓN | SI | NO | X |
| De ser afirmativa la respuesta, detallar. | | | | |
| 5. |   | | | |
| NOMBRE, FIRMA Y SELLO DEL FUNCIONARIO COMPETENTE DEL ÓRGANO ENCARGADO DE LAS CONTRATACIONES | | | | |