



**BAGUIO WATER DISTRICT**  
*"Serving Mankind is Serving God"*  
 003 Purok BWD, Brgy., Marcoville, Baguio City  
 Tel. No. 442-4858 Fax No. 442-4858/444-7245

|                   |                   |
|-------------------|-------------------|
| Document No.:     | ADM-PUR-F006      |
| Effectivity Date: | February 15, 2020 |
| Revision No.:     | 00                |

**No. 34818**

### PURCHASE ORDER

|                                                             |                                      |
|-------------------------------------------------------------|--------------------------------------|
| Supplier : <b>KEYLARGO INDUSTRIAL SALES</b>                 | P.O. No. : <b>34818</b>              |
| Tel No./ Fax No. : <b>02-284-2856 / 961-52-60 local 218</b> | Date : <b>July 12, 2022</b>          |
| Address / TIN : <b>1471 Quezon Ave. West Triangle Q.C.</b>  | PR No./Abstract No. : <b>06-012P</b> |

Gentlemen/ Madam,

Please furnish this Office the following articles subject to the terms and conditions contained herein.

|                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Place of Delivery : <input type="checkbox"/> Pick up<br><input checked="" type="checkbox"/> FOB BWD Warehouse<br><input type="checkbox"/> Deliver at site | P.O. Valid Until : <u>30 days</u><br>Warranty : <input type="checkbox"/> Six months <input checked="" type="checkbox"/> One year <input type="checkbox"/> Others (Pls. Specify)                                                                                                                                                                                                                           |
| Date of Delivery : <u>10-12 weeks</u><br>Delivery Term : <input type="checkbox"/> full <input type="checkbox"/> partial delivery allowed                  | <input checked="" type="checkbox"/> 1% Retention Required<br><input type="checkbox"/> Performance Bond Required (5% if in check/50% if GSIS surety bond)<br><input checked="" type="checkbox"/> Subject to testing / inspection prior to payment<br>Payment Term : <input type="checkbox"/> COD <input type="checkbox"/> 30 Days <input checked="" type="checkbox"/> Others (Pls. Specify) <u>60 days</u> |

| Quantity                                                                  | Unit | Description/Specifications                                                                                                                                                                                                                 | Unit Cost    | Amount                          |
|---------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|---------------------------------|
| 1                                                                         | set  | Franklin Submersible Motor, 40HP, 460Volts, 3 phase, 6"Ø,<br>Plug-in or detachable Lead Wires, NEMA Standard COUPLED TO:<br>Grundfos Denmark, Model: SP46-11 Submersible Pump<br>180 GPM x 550 feet TDH, 72% efficiency, 3600RPM           | 480,000.00 P | 480,000.00                      |
| 1                                                                         | set  | Franklin Submersible Motor, 30HP, 460Volts, 3 phase, 6"Ø,<br>Plug-in or detachable Lead Wires, NEMA Standard COUPLED TO:<br>Grundfos Denmark, Model: SP46-9 Submersible Pump<br>150 GPM x 450 feet TDH, 68% efficiency, 3600RPM<br>x x x x | 398,000.00 P | 398,000.00<br><u>878,000.00</u> |
| (Please refer to the attached Sheet for complete detailed specifications) |      |                                                                                                                                                                                                                                            |              |                                 |

Usage / Requisitioner **For Spare Pump and Motor c/o Engr. J.B.Pamaylaon**

|                           |                              |                          |                                   |                                 |
|---------------------------|------------------------------|--------------------------|-----------------------------------|---------------------------------|
| Prepared by:              | Checked by:                  | Audited by:              | Recommending Approval:            | Approved By:                    |
| <b>MARCOS G. LAMANGAN</b> | <b>MONA LISA O. PENAFIEL</b> | <b>LUZVIMIN G. RAMOS</b> | <b>ATTY. MA LUISA C. TENEDERO</b> | <b>ENGR. SALVADOR M. ROYECA</b> |
| Purchasing Supervisor     | Admin Division Manager       | Internal Auditor         | AGM-Adm./Com./Fin.                | General Manager                 |

|                                         |      |
|-----------------------------------------|------|
| Conforme:                               |      |
| Signature over Printed Name of Supplier | Date |

|                                                                       |                                                                                                                                                             |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Funds Available:<br><b>BERNADETTE B. VELASQUEZ</b><br>Finance Manager | Acct. :<br>Operating / Maintenance Expense <input type="checkbox"/><br>CAPEX <input checked="" type="checkbox"/><br>Other Payables <input type="checkbox"/> |
|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|

18 JUL 2022



| Qty. | Unit | Description                                                                                                                                                                                                                                                         | Unit Cost | Amount |
|------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|
|      |      | <b>COUPLED TO:</b>                                                                                                                                                                                                                                                  |           |        |
|      |      | <b>"Grundfos" (Denmark) Submersible Deepwell Pump Model: SP46-11 rated to deliver 180gpm (40.8 cu.m/hr) against 550 feet (167.6m) with 72% efficiency</b>                                                                                                           |           |        |
|      |      | Standard built-in stop ring check valve and strainer to prevent upthrust damage during critical start up and stopping phase, capable to handle sand content from 50 to 150ppm on certain pump sizes. Speed Nominal 3600 rpm 6"Ø. NEMA Standard Spline Type Coupling |           |        |
|      |      | <b>I. General Requirements:</b>                                                                                                                                                                                                                                     |           |        |
|      |      | Capacity: <b>180 GPM</b>                                                                                                                                                                                                                                            |           |        |
|      |      | TDH: <b>550 feet</b>                                                                                                                                                                                                                                                |           |        |
|      |      | Eff. @ Rated Capacity: <b>72%</b>                                                                                                                                                                                                                                   |           |        |
|      |      | Speed (Nominal): <b>3600 rpm</b>                                                                                                                                                                                                                                    |           |        |
|      |      | Standard Diameter: <b>Not more than 6 inches</b>                                                                                                                                                                                                                    |           |        |
|      |      | <b>II. Material Components:</b>                                                                                                                                                                                                                                     |           |        |
|      |      | Valve Casing: <b>Stainless Steel</b>                                                                                                                                                                                                                                |           |        |
|      |      | Valve Cup: <b>Stainless Steel</b>                                                                                                                                                                                                                                   |           |        |
|      |      | Neck ring:                                                                                                                                                                                                                                                          |           |        |
|      |      | For pump capacity:                                                                                                                                                                                                                                                  |           |        |
|      |      | 1-5 cu.m/hr: <b>NBR/TPU</b>                                                                                                                                                                                                                                         |           |        |
|      |      | 7-14 cu.m/hr: <b>TPU/PPS-FKM</b>                                                                                                                                                                                                                                    |           |        |
|      |      | 17-60 cu.m/hr: <b>NBR-FKM-LSR</b>                                                                                                                                                                                                                                   |           |        |
|      |      | 77 cu.m & above: <b>NBR-FKM</b>                                                                                                                                                                                                                                     |           |        |
|      |      | Bearing:                                                                                                                                                                                                                                                            |           |        |
|      |      | <ul style="list-style-type: none"> <li>Sealed top bearing for high resistance against sand</li> <li>Octagonal shape bearings with sand flush channels to reduce abrasive wear</li> </ul>                                                                            |           |        |
|      |      | For pump capacity:                                                                                                                                                                                                                                                  |           |        |
|      |      | 1-5 cu.m/hr: <b>NBR</b>                                                                                                                                                                                                                                             |           |        |
|      |      | 7-14 cu.m/hr: <b>LSR-FKM</b>                                                                                                                                                                                                                                        |           |        |
|      |      | 17-60 cu.m/hr: <b>NBR-FKM</b>                                                                                                                                                                                                                                       |           |        |
|      |      | 77 cu.m & above: <b>NBR-FKM</b>                                                                                                                                                                                                                                     |           |        |
|      |      | Chamber: <b>Stainless Steel</b>                                                                                                                                                                                                                                     |           |        |
|      |      | Impeller: <b>Stainless Steel</b>                                                                                                                                                                                                                                    |           |        |
|      |      | Suction interconnector: <b>Cast Stainless Steel</b>                                                                                                                                                                                                                 |           |        |
|      |      | Shaft complete: <b>Stainless Steel</b>                                                                                                                                                                                                                              |           |        |
|      |      | Strap: <b>Stainless Steel</b>                                                                                                                                                                                                                                       |           |        |
|      |      | Cable guard: <b>Stainless Steel</b>                                                                                                                                                                                                                                 |           |        |
|      |      | Washer for stop ring: <b>Carbon / graphite HY22 in PTFE mass</b>                                                                                                                                                                                                    |           |        |
|      |      | Strainer: <b>Stainless Steel</b>                                                                                                                                                                                                                                    |           |        |
|      |      | Valve seat:                                                                                                                                                                                                                                                         |           |        |

| Qty.     | Unit       | Description                                                                                | Unit Cost          | Amount             |
|----------|------------|--------------------------------------------------------------------------------------------|--------------------|--------------------|
|          |            | For pump capacity: 1-5 cum/hr: <b>Rubber Type/NBR</b>                                      |                    |                    |
|          |            | For pump capacity: 7-14 cum/hr: <b>NBR-FKM</b>                                             |                    |                    |
|          |            | For pump capacity: 17-60 cum/hr: <b>NBR-FKM</b>                                            |                    |                    |
|          |            | For pump capacity: 77 cum & above: <b>NBR-FKM</b>                                          |                    |                    |
|          |            | III. Others:                                                                               |                    |                    |
|          |            | Discharge nipple: <b>3"Ø x 6" x 12", S-80, BI</b>                                          |                    |                    |
|          |            | Discharge coupling: <b>6"Ø, S-80, BI</b>                                                   |                    |                    |
|          |            | IV. Must submit authenticated certificate of dealership / distributorship with red ribbon  |                    |                    |
|          |            | V. ISO certified                                                                           |                    |                    |
| <b>1</b> | <b>Set</b> | <b>"Franklin" (USA) Submersible Motor with the following specifications:</b>               | <b>₱398,000.00</b> | <b>₱398,000.00</b> |
|          |            | I. General Requirements:                                                                   |                    |                    |
|          |            | Rating: <b>30HP</b>                                                                        |                    |                    |
|          |            | Nominal Voltage (V): <b>460 Volts</b>                                                      |                    |                    |
|          |            | No. of Phase: <b>3</b>                                                                     |                    |                    |
|          |            | Frequency: <b>60Hz.</b>                                                                    |                    |                    |
|          |            | Std. Diameter: <b>6 inches</b>                                                             |                    |                    |
|          |            | Lead Wire / Cables: <b>Plug-in or Detachable</b>                                           |                    |                    |
|          |            | Rotor Spline: <b>NEMA Standard</b>                                                         |                    |                    |
|          |            | II. Material Components (6"Ø Standard):                                                    |                    |                    |
|          |            | End Castings: <b>Gray Iron</b>                                                             |                    |                    |
|          |            | Stator Shell: <b>301 SS</b>                                                                |                    |                    |
|          |            | Stator Ends: <b>Low Carbon Steel</b>                                                       |                    |                    |
|          |            | Shaft Extension: <b>303 SS (5-30HP)</b><br><b>17-4 SS (40-60HP)</b>                        |                    |                    |
|          |            | Fasteners: <b>300 &amp; 400 Series SS</b>                                                  |                    |                    |
|          |            | Seal Cover: <b>304 SS &amp; Sintered Bronze</b>                                            |                    |                    |
|          |            | Seal: <b>Carbon Ceramic Face</b>                                                           |                    |                    |
|          |            | Diaphragm: <b>Nitrile</b>                                                                  |                    |                    |
|          |            | Diaphragm Plate: <b>304 SS</b>                                                             |                    |                    |
|          |            | Diaphragm Spring: <b>302 SS</b>                                                            |                    |                    |
|          |            | Diaphragm Cover:                                                                           |                    |                    |
|          |            | Slinger: <b>Nitrile</b>                                                                    |                    |                    |
|          |            | Lead Wire (or Cable): <b>XLPE 125°C</b>                                                    |                    |                    |
|          |            | Lead Potting: <b>Epoxy</b>                                                                 |                    |                    |
|          |            | Filter: <b>Delrin &amp; Polyester</b>                                                      |                    |                    |
|          |            | III. Must submit authenticated certificate of dealership / distributorship with red ribbon |                    |                    |

| Qty. | Unit | Description                                                                                                                                                                                                                                                         | Unit Cost | Amount |
|------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------|
|      |      | IV. ISO certified                                                                                                                                                                                                                                                   |           |        |
|      |      | <b>COUPLED TO:</b>                                                                                                                                                                                                                                                  |           |        |
|      |      | <b>"Grundfos" (Denmark) Submersible Deepwell Pump Model: SP46-9, rated to deliver 150gpm (34 cu.m/hr) against 450 feet (137m) with 68% efficiency</b>                                                                                                               |           |        |
|      |      | Standard built-in stop ring check valve and strainer to prevent upthrust damage during critical start up and stopping phase, capable to handle sand content from 50 to 150ppm on certain pump sizes. Speed Nominal 3600 rpm 6"Ø. NEMA Standard Spline Type Coupling |           |        |
|      |      | <b>I. General Requirements:</b>                                                                                                                                                                                                                                     |           |        |
|      |      | Capacity: <b>150 GPM</b>                                                                                                                                                                                                                                            |           |        |
|      |      | TDH: <b>450 feet</b>                                                                                                                                                                                                                                                |           |        |
|      |      | Eff. @ Rated Capacity: <b>68%</b>                                                                                                                                                                                                                                   |           |        |
|      |      | Speed (Nominal): <b>3600 rpm</b>                                                                                                                                                                                                                                    |           |        |
|      |      | Standard Diameter: <b>Not more than 6 inches</b>                                                                                                                                                                                                                    |           |        |
|      |      | <b>II. Material Components:</b>                                                                                                                                                                                                                                     |           |        |
|      |      | Valve Casing: <b>Stainless Steel</b>                                                                                                                                                                                                                                |           |        |
|      |      | Valve Cup: <b>Stainless Steel</b>                                                                                                                                                                                                                                   |           |        |
|      |      | Neck ring:                                                                                                                                                                                                                                                          |           |        |
|      |      | For pump capacity:                                                                                                                                                                                                                                                  |           |        |
|      |      | 1-5 cu.m/hr: <b>NBR/TPU</b>                                                                                                                                                                                                                                         |           |        |
|      |      | 7-14 cu.m/hr: <b>TPU/PPS-FKM</b>                                                                                                                                                                                                                                    |           |        |
|      |      | 17-60 cu.m/hr: <b>NBR-FKM-LSR</b>                                                                                                                                                                                                                                   |           |        |
|      |      | 77 cu.m & above: <b>NBR-FKM</b>                                                                                                                                                                                                                                     |           |        |
|      |      | Bearing:                                                                                                                                                                                                                                                            |           |        |
|      |      | <ul style="list-style-type: none"> <li>Sealed top bearing for high resistance against sand</li> <li>Octagonal shape bearings with sand flush channels to reduce abrasive wear</li> </ul>                                                                            |           |        |
|      |      | For pump capacity:                                                                                                                                                                                                                                                  |           |        |
|      |      | 1-5 cum/hr: <b>NBR</b>                                                                                                                                                                                                                                              |           |        |
|      |      | 7-14 cu.m/hr: <b>LSR-FKM</b>                                                                                                                                                                                                                                        |           |        |
|      |      | 17-60 cu.m/hr: <b>NBR-FKM</b>                                                                                                                                                                                                                                       |           |        |
|      |      | 77 cu.m & above: <b>NBR-FKM</b>                                                                                                                                                                                                                                     |           |        |
|      |      | Chamber: <b>Stainless Steel</b>                                                                                                                                                                                                                                     |           |        |
|      |      | Impeller: <b>Stainless Steel</b>                                                                                                                                                                                                                                    |           |        |
|      |      | Suction interconnector: <b>Cast Stainless Steel</b>                                                                                                                                                                                                                 |           |        |
|      |      | Shaft complete: <b>Stainless Steel</b>                                                                                                                                                                                                                              |           |        |
|      |      | Strap: <b>Stainless Steel</b>                                                                                                                                                                                                                                       |           |        |
|      |      | Cable guard: <b>Stainless Steel</b>                                                                                                                                                                                                                                 |           |        |
|      |      | Washer for stop ring: <b>Carbon / graphite HY22 in PTFE mass</b>                                                                                                                                                                                                    |           |        |

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| Qty. | Unit | Description                                                                                 | Unit Cost | Amount |
|------|------|---------------------------------------------------------------------------------------------|-----------|--------|
|      |      | Strainer: <b>Stainless Steel</b> \                                                          |           |        |
|      |      | Valve seat:                                                                                 |           |        |
|      |      | For pump capacity: 1-5 cum/hr: <b>Rubber Type/NBR</b> \                                     |           |        |
|      |      | For pump capacity: 7-14 cum/hr: <b>NBR-FKM</b> \                                            |           |        |
|      |      | For pump capacity: 17-60 cum/hr: <b>NBR-FKM</b> \                                           |           |        |
|      |      | For pump capacity: 77 cum & above: <b>NBR-FKM</b> \                                         |           |        |
|      |      | III. Others:                                                                                |           |        |
|      |      | Discharge nipple: <b>3"Ø x 6" x 12", S-80, BI</b> \                                         |           |        |
|      |      | Discharge coupling: <b>6"Ø, S-80, BI</b> \                                                  |           |        |
|      |      | IV. Must submit authenticated certificate of dealership / distributorship with red ribbon \ |           |        |
|      |      | V. ISO certified \                                                                          |           |        |

Total: **₱878,000.00**

Usage: For Spare Pump and Motor c/o Engr. J.B.Pamaylaon

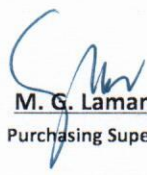
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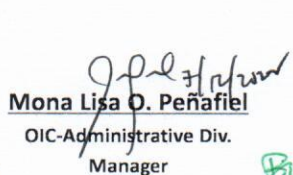
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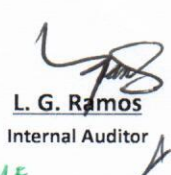
Audited by:

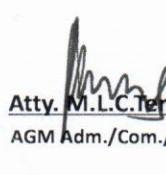
Recommending Approval:

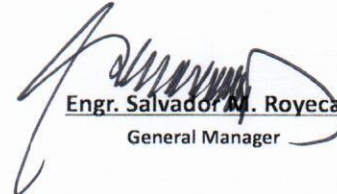
Approved by:

  
**M. G. Lamangan**  
Purchasing Supervisor

  
**Mona Lisa O. Peñafiel**  
OIC-Administrative Div.  
Manager

  
**L. G. Ramos**  
Internal Auditor

  
**Atty. M.L.C. Tenedero**  
AGM Adm./Com./Fin./ict

  
**Engr. Salvador M. Royeca**  
General Manager