

**Part 1 General**

**1.1 GENERAL**

- .1 This section of the specification forms part of the Contact Documents and shall be read in conjunction with them.
- .2 This section specifies the requirement for measurement and payment of the Work to be performed under the various specifications and as outlined on the Unit Price List for each scope of work.
- .3 In case of conflict between various sections of the specifications this section takes precedence over the specifications.
- .4 Unless otherwise specified, unit rates and lump sum price bid shall include for all labour, materials, tools, equipment, operating and maintenance costs, temporary works, and for supervision, overhead and profit. It is further understood and agreed that the cost for each item includes all sales taxes, permits and fees, and any or all municipal, provincial or federal charges in connection with the work and that costs of a general nature that do not pertain to any one item or for which no particular reference is made in the descriptions are distributed among all items that are bid.

**Part 2 Products**

**2.1 MOBILIZATION / DEMOBILIZATION**

- .1 Mobilization shall include for any start-up costs, moving equipment, materials, offices and other items onsite, including all shipping costs and accommodation costs. Demobilization shall include any project completion costs, moving equipment, materials, offices and other items offsite, including all shipping costs.
- .2 The contractor shall be entitled to only two mobilizations at the beginning of the project and one demobilization at the end of the project, regardless of the project schedule and constraints.
- .3 Temporary facilities shall include for any costs, moving equipment during the course of construction, materials, offices and other items, and any expenses associated with the project, including security fencing, barricades, channelizer barrels, survey, quality control testing, access road, Contractor's Security Escort, etc. Payment shall be on a lump sum basis as a percentage of the work complete, as agreed upon between the Contractor and Engineer.

**2.2 SUPPLY AND DELIVERY**

- .1 The unit price tendered shall include all labour, equipment and materials for the fabrication and/or procurement of the materials specified, and the delivery of the materials to Igloolik. Payment will be based on the units and estimated quantities as listed in the Form of Tender.

**2.3 CONSTRUCTION PHASE 1 NEW LAGOON CELL A AND PHASE 2  
REHABILITATED EXISTING LAGOONS CELL B AND CELL C**

- .1 Installation of Silt Fence – The unit price tendered shall include all equipment, labour and materials required for the installation of silt fence, including trench and wood stake. Measurement for payment shall be by the measured linear metre of silt fence installed.
- .2 Supply, deliver and place for the stripping of the new cell of any exist. sludge, garbage, organics, peat or any other sort areas and backfill with granular material The unit price tendered shall include all equipment, labour and materials required for the complete installation and compaction of material and transportation and disposal off-site of excavated materials as per Section 310517 Aggregate Materials and Section 334723 Sanitary Sewage Lagoons. Measurement for payment shall be in cu. m. of compacted material installed.
- .3 Supply, deliver and Installation of Granular Material for New Berm. The unit price tendered shall include all equipment, labour and materials required for the complete installation and compaction of materials for the new berm as per Section 310517 Aggregate Materials and Section 334723 Sanitary Sewage Lagoons. Measurement for payment shall be in cu.m. of compacted material installed.
- .4 Installation of Berm Liner. The unit price tendered shall include all equipment, labour , sand bedding , sand cover and anchor trench and materials required for the complete installation of the liner. Measurement and payment will be made in square metres based on the measured surface of berm liner in place. No additional payment will be made for overlap at joints.
- .5 Supply, deliver and Installation of 150mm Granular A material for topping of road and truck Discharge Point. The unit price tendered shall include all equipment, labour and materials required for the complete installation and compaction of Granular as per Section 310507 Aggregate Materials. Measurement for payment shall be based on sq..m. of compacted material installed.
- .6 Supply, deliver and Installation of 200mm Granular B material for topping of road and truck Discharge Point. The unit price tendered shall include all equipment, labour and materials required for the complete installation and compaction of Granular as per Section 310507 Aggregate Materials. Measurement for payment shall be based on sq..m. of compacted material installed.
- .7 Supply, deliver and Install of Spillway Structures. The unit price tendered shall include all equipment, labour and materials required for the complete installation of spillway structure, as per Section 313610 Gabions and Gabion Mats, Section 313221 Geotextiles and Section 310517 Aggregates Materials. Measurement for payment shall be as per unit installed.
- .8 New swale Construction with Off-Site Disposal: The unit price tendered shall include all equipment, labour and materials necessary for the excavation of the ditch to the alignment and grades shown on the drawing. The unit price shall also include all equipment, labour and materials necessary for the transportation and disposal off-site of excavated material. Measurement for payment shall be based on the linear metre as measured in the field.

- .9 Installation of Horizontal Thermosyphons. The unit price tendered shall include all equipment, labour and materials for installation of thermosyphons as per Section 338000 Thermosyphon design and Construction Guidelines. Measurement for payment shall be as per unit installed.
- .10 Installation of Truck Discharge Structures. The unit price tendered shall include all equipment, labour and materials required for the complete installation of truck discharge structures, including erosion protection and bollards. Measurement for payment shall be as per unit installed.
- .11 Installation of Inlet Structure Piping. The unit price tendered shall include all equipment, labour and materials required for the installation of inlet structures, including 200 dia. HDPE Series 100 pipe, concrete block, wood cribbage, reducer, bends 150 dia. HDPE Series 100 pipe, flange, 150 mm dia. hose, 1 m long hose shank, couplings and male end adaptor and gabion mat. Measurement for payment shall be as per unit installed.
- .12 Installation of outlet Structure Piping. The unit price tendered shall include all equipment, labour and materials required for the installation of inlet structures, including 300 dia. HDPE Series 150 pipe, wood support, wood cribbage, reducer, bends 150 dia. HDPE Series 100 pipe, flange, 150 mm dia. hose, 1 m long hose shank, couplings and male end adaptor. Measurement for payment shall be as per unit installed.
- .13 Installation of 600 mm dia. nestable pipe. The unit price tendered shall include all equipment, labour and materials required for the installation of 600 mm dia. nestable pipe, including pressure treated wood post and lag bolt. Measurement for payment will be by the linear metre of nestable pipe installed.
- .14 Supply, deliver and Install Boulder Barriers. The unit price tendered shall include all equipment, labour and materials required for the installation of boulder barriers. Measurement for payment shall be per unit installed.
- .15 Installation of Thermistor Cables. The unit price tendered shall include all equipment, labour and materials for the installation of thermistor cable c/w data logger as per Section 332118 Thermistor Cables. Measurement for payment shall be as per unit installed.
- .16 Installation of Seepage Monitoring Tubes. The unit price tendered shall include all equipment, labour and materials for the installation of seepage monitoring tubes as per Section 332119 Seepage Monitoring Tubes. Measurement for payment shall be as per unit installed.
- .17 Installation of Signage: The unit price tendered shall include all equipment, labour and materials necessary for the installation of signs. Measurement for payment shall be per unit installed.
- .18 Installation of Pump. The unit price tendered shall include all equipment, labour and materials required for the installation of pump, including pressure gauge, ball valve, male end adapters, wheel kit and flanges. Measurement for payment shall be per unit installed.
- .19 Installation of information Sign: The unit price tendered shall include all equipment, labour and materials necessary for the installation of sign. Measurement for payment shall be per unit installed.
- .20 Installation of sampling well. The unit price tendered shall include all equipment, labour and materials for the installation of sampling well as per Section 332119 Seepage Monitoring Tubes. Measurement for payment shall be as per unit installed.
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- .22 Installation of Granular Material for Truck Turning pads. The unit price tendered shall include all equipment, labour and materials required for the complete installation and compaction of Granular as per Section 310507 Aggregate Materials. Measurement for payment shall be based on cu.m. of compacted material installed.
- .23 Installation of Granular “A” Material for Road and Truck Discharge Point. The unit price tendered shall include all equipment, labour and materials required for the complete installation and compaction of Granular “A” as per Section 310507 Aggregate Materials. Measurement for payment shall be based on cu.m. of compacted material installed
- .24 Installation of Gabion Mats. The unit price tendered shall include all equipment, labour and materials required for the installation of gabion mats and geotextiles. Measurement for payment will be by the measured sq.m. of gabion mat installed.
- .25 Installation of Gabion Mats. The unit price tendered shall include all equipment, labour and materials required for the installation of gabion mats and geotextiles. Measurement for payment will be by the measured sq.m. of gabion mat installed.
- .26 Installation of Outlet Structure. The unit price tendered shall include all equipment, labour and materials required for the complete installation of outlet structure, including 150 mm dia. hose (5 m long and 40 m long), hose shank coupling, 150 mm dia. HDPE Series 100 pipe, wood support with lag bolt, tie down strip and flange. Measurement for payment shall be as per unit installed.
- .27 Installation of Thermistor Casing. The unit price tendered shall include all equipment, labour and materials for installation of thermistor casing as per Section 332116 Thermistor Casing. Measurement for payment shall be as per unit installed.

**END OF SECTION**