

**ITEM 63555.110X M - GROUTING, EMERGENCY STANDBY CONTRACT WORK**

**DESCRIPTION:**

This work shall consist of furnishing and placing grout in amounts sufficient to fill any voids at the locations indicated on the plans or where directed by the Engineer.

**MATERIAL:**

Materials for the grout shall comply with the following Subsections of Section 700, Materials:

- 701-01 Portland Cement, Type 1 or 2
- 703-03 Mortar Sand
- 703-08 Mineral Filler
- 712-01 Water

The grout shall be approximately proportioned as follows, or adjusted as necessary by the Engineer to produce the desired consistency for pumping.

- 2 - Bags of Portland Cement
- 0.03 - m<sup>3</sup> of Mineral Filler
- 0.14 - m<sup>3</sup> of Sand by Weight

Grouting Agent. In accordance with manufactures recommendations. Water content as required for a workable mix, suitable for pumping.

**CONSTRUCTION DETAILS:**

Actual weight and loose volumes will be determined by the Engineer. They will be based on the sources of materials as submitted by the Contractor. The amount of water added to the mix may be varied with the approval of the Engineer in order to make a more workable mix. If the sand is damp, a correction must be made for the moisture content of the sand. Grouting pressure shall be as directed by the Engineer. The Engineer may also direct that the consistency of the grout be changed by reducing or increasing the amount of water. The Contractor shall be responsible for suppling an acceptable water source.

**METHOD OF MEASUREMENT:**

The quantity of the grout filling shall be be paid for by the number of bags of cement incorporated in the work.

**BASIS OF PAYMENT:**

Payment will be made for the bags of cement in the mix pumped into the pipe even though some of it will be for delivery purposes and not necessarily incorporated in the work. Mechanical breakdowns of equipment shall be the Contractor's responsibility and and the cost of material required to refill the discharge system shall be borne by the Contractor. Material required to refill the system due to the Engineer directing that pumping be discontinued, for whatever reason, shall be paid for by the State. The price bid per bag of cement shall include the cost of furnishing all labor and materials necessary to complete the work, including furnishing a water source, except that Furnishing Equipment for Grout and Installing Grout Pipe will be paid under their respective items.

Payment will be made under:

<b><u>ITEM NO.</u></b>	<b><u>ITEM DESCRIPTION</u></b>	<b><u>PAY UNIT</u></b>
63555.1101M	Grouting, Emergency Standby Contract Work, Quantity Range 1 (0 to 99)	Bag
63555.1102M	Grouting, Emergency Standby Contract Work, Quantity Range 2 (100 to 999)	Bag
63555.1103M	Grouting, Emergency Standby Contract Work, Quantity Range 3 (1000 to 2000)	Bag