



Centralised Stamping Unit & Fabrication Plant, BHEL Jagdishpur
Bill of Quantity & Price Schedule (Section - IV)

Water Proofing & Grouting works in Lift Pits of Township (T.E. No. BHE/CSU/CVL/15-16/24)

Total No. of Lift Pits are 09 (nine) with approx dimensions of 2m x 1.8m x 1.6m (depth)

S. No.	Description of Item	Unit	Quantity	Rate	Amount
POLYGROUT INJECTION (EXPANSIVE AQUA-REACTIVE WATER BARRIER INJECTION)					
1	Grinding and cleaning of surface from loose materials and paint with diamond/wire grinding machine.	Sqm.	36		
2	Providing and fixing non return packers or Special Needle after drilling holes of 10mm Dia at a distance of 500 mm c/c and cleaning the same with compressed air or blower in both directions horizontal and vertical.	Nos.	252		
3	Providing and injecting Polymer injection grout (made by Pidilite (Dr. Fixit) / CICO / BASF or equivalent) creating water resistive barrier that shall be injected with mechanically piston driven pump with maximum upto 100 bar pressure or as per the requirement.	Kg.	250		
4	Filling and repairing holes and damaged areas with site made Putty (made by Pidilite (Dr. Fixit) / CICO / BASF or equivalent)	Nos.	252		
CEMENTITIOUS INJECTION					
5	Cleaning and washing the surface of dirt and laitance with steel wire brush.	Sqm.	108		
6	Injection Grouting at Construction & Kicker Joints: Providing and carrying out injection grouting treatment by drilling GI threaded nozzles to 1/3rd the depth of the concrete, of 15mm dia. at 0.75mtr. c/c tied to the reinforcement while chocking both the ends of the nozzles. After the concrete pour, pressure grouting the nozzles with hand machine of requisite pressure so that the cement slurry is injected into the capillaries and thereby creating dense concrete. Suitable grouting admixture to be admixed with cement slurry so as to make the mix more flowable, non-shrink expanding and watertight (Grouting admixture to be paid for seperately in item no. 7 below) . Flushing / removing the nozzles from the structure and plugging the holes with Repair Mortar (made by Pidilite (Dr. Fixit) / CICO / BASF or equivalent) in all complete. Note: For vertical walls, nozzles to be placed after drilling holes in the concrete at construction joints and carried further as above.	Nos.	198		
7	Providing Grouting Admixture - Polymeric Non shrink Grouting Compound (made by Pidilite (Dr. Fixit) / CICO / BASF or equivalent)	Kg.	200		
8	Total Amount (excluding taxes) =				

- Note:**
1. Cement, Sand, Electricity & Water shall be provided by BHEL free of cost.
 2. Above quantities are tentative which may vary based upon actual consumption at site.
 3. Applicable guarantee period shall be 5 years

Signature (Contractor)

Signature (BHEL)