



## CSU & FP Township, BHEL, Jagdishpur

### Section - III (Bill of Quantity & Price Bid)

**Name of Work :** Pressure grouting works in lift pits in CSU & FP Township at Jagdishpur

**Tender Enquiry No. :** BHE/CSU/CVL/15-16/11

S. No.	Description of Item	Unit	Quantity	Rate	Amount
<b>SYSTEM :PU PLAIN/PU FOAM INJECTION</b>					
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 Dr. Fixit PU Plain Injection, two component Polyurethane Plain injection grout manufactured by Pidilite Industries Ltd, to be site mixed in ratio 2:1 (2 part base one part hardener) that shall be injected with mechanically piston driven pump with maximum upto 100 bar pressure or as per the requirement.	Kg.	45		
4	Providing and injecting Dr. Fixit PU Foam Injection two component polyurethane foam injection grout manufactured by Pidilite Industries Ltd and to be site mixed in ratio 10:1 (10 part base 1 part hardener ) that shall be injected with mechanically piston driven pump with maximum pressure upto 100 bar or as per site requirements at running water leakages against the hydrostatic water pressure.	Kg.	9		
5	Filling and repairing holes and damaged areas with site made Putty by using Dr. Fixit Pidipoxy of Pidilite Industries Ltd.	Nos.	252		

S. No.	Description of Item	Unit	Quantity	Rate	Amount
	<b>Using Dr. Fixit Pidicrete AM</b>				
6	Cleaning and washing the surface of dirt and laitance with steel wire brush.	Sqm.	108		
7	<p>Injection Grouting at Construction &amp; Kicker Joints Only:  Providing and laying 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 like DR. FIXIT PIDICRETE AM to be admixed with cement slurry so as to make the mix more flowable, non-shrink expanding and watertight.  Flushing / removing the nozzles from the structure and plugging the holes with Dr. Fixit Epoxy Repair Mortar 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.</p>	Nos.	198		
8	<b>Total Amount (Excluding Service Tax ) =</b>				

**Note: Cement, Sand, Electricity, water, etc. shall be provided by BHEL free of cost.**