

Price bid format

Name Of Work:- Water Leakage rectification grouting works for different concrete structures for OPGC Unit #3&4.

Sl.No	Description of Items	UOM	QNTY.	Unit Rate(Rs.)	Amount(Rs.)
1	<p>Epoxy Injection Fixing GI / MS nozzles of at least 6 mm dia with epoxy adhesive. The crack mouth has to be sealed with same adhesive. Flexible tubes, which are already fixed to nozzles, are opened and fixed to the injection gun. Low viscous 2 component injection resin (for moist or wet concrete)of approved manufacturer (SIKA/FOSROC/MYK/STP/PIDILITE/BASF or equivalent) shall be injected into the cracks. The mixed material shall be consumed within 10 minutes of mixing. After grouting operations the nozzles shall be cut after 24 hrs. flushing with concrete surface. The work shall be complete in all respect satisfactory to EIC.</p>	No.s of nozzles	10000		
2	<p>Poly Urethane grouting:- Drilling & fixing GI nozzles of 6 mm dia for a depth half of the member thickness at manufacturer recomended centre – to – centre distance or as instructed by Engineer Incharge with the help of cementitious quick fix product. Cleaning the cracks by injecting high pressure air through the nozzles. Pressure grouting with low viscosity epoxy injection resin with the help of injection gun or similar equipment at a steady pressure as recommended by manufacturer (SIKA/FOSROC/MYK/STP/PIDILITE/BASF or equivalent) or EIC .Cutting the nozzles and filling with epoxy material.The work shall be complete in all respect satisfactory to EIC.</p>	No.s of nozzles	97500		
3	<p>Cementitious Injection Injection should be done by fixing the nozzles at random and thoroughly to the structure and specially to all types of joints. Drill hole up to half of the depth of the concrete and fix GI nozzles manufacturer recommended nozzle ,manufacturer recomended C/C from the interior surface of retaining wall/base slab with the help of quick setting chemical/cementitious compound . Inject Cement slurry enriched with Non shrink grouting compound through the fixed nozzle in a manufactured recommended pressure with the help of hand operated or mechanical grouting pump. The material of injection grouting is as follows:Cement- as recommended by manufacturer(SIKA/FOSROC/MYK/STP/PIDILITE/BASF or equivalent) :Expanding grout admixture for anti shrink purpose with recomended dosage. W/C -as recommended by manufacturer (by weight). The work shall be complete in all respect satisfactory to EIC.</p>	No.s of nozzles	48000		

4	<p>Internal Surface Application (for water retaining structures)</p> <p>Priming : Providing and applying one coat of Moisture Insensitive Epoxy based cold applied primer, over the prepared surface with brush, roller/ airless spray with a consumption as recommended by manufacturer with specified thickness,</p> <p>On the primed surface, providing & applying two or more coats in horizontal surface of 2 component Hybrid polyurea polyurethane liquid cold spray / manually squeegee applied elastomeric seamless membrane, coating ,(total consumption shall be as per manufacturer recommendation-SIKA/FOSROC/MYK/STP/PIDILITE/BASF or equivalent), of 1.5mm thick , having Tensile strength of min 6 MPa , Elongation of min 600%, crack bridging ability of minimum 6mm ,Solids content of 100% & Shore A Hardness of over 60. The system must be capable of being applied by either airless spray or Roller or Squeegee to allow for fast application on large areas as well as to facilitate Manual application on locations requiring minor repairs, touch ups , etc in small areas also as required at site . The system must be cold applied without requiring any heating equipment during application . The system must not be instant setting and must have a pot life of min 20 mins , to remain in a fluid state post application to enable the applied membrane film on site, to ensure proper QAQC. The work shall be complete in all respect satisfactory to EIC.</p>	SQM	8000		
5	<p>PU grouting at Expansion joints</p> <p>Drill holes according to the nozzle diameter along the side of the joint which is leaking, at 45° angle. Use a Ferros scanner to avoid hitting the reinforcement.</p> <p>If the joint to be injected are 10mm wide or more at the surface, inject PU grout material into the joint. Spray the saturated foam with a small amount of water to activate the grout and create a surface seal.</p> <p>If water is flowing out of the cracks, or even coming out under pressure, inject polyurethane grout into the crack. The work shall be complete in all respect satisfactory to EIC.</p>	RMT	2000		
TOTAL (GST will be applicable extra at actual)					
Amount In Words:-					
<p>NOTE :- Rate should be inclusive of procurement and supply of materials, surface preparation, transportation to job site, lifting ,shifting, carriage, storage of material, ensuring safety, providing PPES to worker, barrication of working area , drilling and fixing of nozzles, application of grouting materials , removal of nozzles, and finishing good of concrete surface as per satisfaction of EIC; with all tools and tackles.</p>					