

SPECIAL REPAIRS WORKS OF CIVIL & ELECTRICAL AT ESI DISPENSARY AT SEMBIUM

FINANCIAL BID

| Item No | DSR Item No. | Description | Qty | Unit | Rate | Amount |
|----------------|---------------------|--|------------|-------------|-------------|---------------|
| 1.0 | MR 4 | MICRO CONCRETING: SHER CONNECTORS: Drilling 12mm dia holes up to a depth of 75 mm maximum and fixing 8mm dia L Shaped anchor rods as sher connectors at every 300mm c/c on the surface of the column/beams or any other structural member as the case may be. clean the same using water and make sure that there are no fine particles present in the hole. Mix the base and hardener of the polyester resin with the saptula thoroughly. Fill the drilled and cleaned holes to a minimum depth of 1/3rd of the hole with the prepared polyester resin. Make sure that the resin has reached till the end of the hole. At this stage push the sher connector gently in to the hole and finish the excess resin which comes out the hole and allow the sher connectors not to be disturbed for minimum 20 mimitues- complete | 104.00 | Nos | | |
| 2.0 | MR 1 | MICRO CONCRETING- ANTICORROSIVE COATING:- Clean the rebars using the rust remover if there exist any rust, otherwise clean the rebar free of foreign material. Mix the base and hardner of the zinc rich epoxy resin machanically using a slow speed heavy duty drilling machine fitted with mixing paddle. Apply the mixed materials to the cleaned rebar and allow it to dry complete | 579.72 | Sqm | | |
| 3.0 | MR 5 | MICRO CONCRETING- ADDITIONAL REINFORCEMENT:Check the diameter of the existing rebars and if the diameter is less than 50% of the original diameter, provide additional reinforcement. Cut 12mm dia bars as main reinforcement to the required length with proper developement lenght. Tie them to the prefixed sher connectors so that the additional rebar acts monolithically with teh existing ones and core concrete. In the case of the sher reinforcement also, if the diameter of the rebars are reduced, provide 8mm dia stirups in the form of 2 "U" shaped bars. Tie them properly so that it has a tight contact with the main bars | 2150.96 | Kgs | | |

| Item No | DSR Item No. | Description | Qty | Unit | Rate | Amount |
|---------|--------------|---|--------|--------|------|--------|
| 4.0 | MR 7 | MICRO CONCRETING- APPLICATION OF EPOXY JOINTING COMPOUND: Mix the base and hardner of the epoxy jointing compound using a slow speed heavy duty drilling machine fitted with mixing paddle and apply the same to the prepared lintel beam/beam surface. Make sure that the concreting is done within 3 hours and the application should be done in such a way that allowance for concreting be kept in mind | 630.12 | Sqm | | |
| 5.0 | MR 8 | MICRO CONCRETING - FORM WORK: Supply of slurry tight form work which should not deform and leak due to pressure of micro concrete. Provision should be made for a suitable freed hooper for pouring concrete. The form work should be coated with the mould release agent prior to final fixing in position. Proper supporting arrangement to be made for keeping the shutter in correct line and lenght- complete | 630.12 | Sqm | | |
| 6.0 | MR 9 | quantity of micro concrete (RENDROC RG of fasroc or equal make) and 12mm down graded chips on site to enable the completion of the pouring in a contineous oepration. An approved concrete mixer or a slow speed heavy duty drilling machine fitted with mixing paddle shall be used. Mix the micro concrete and the 12 mm down grade chips in the ratio of 1:0.5 by weight with the required quantity of water and place the same to the prefixed well before the epoxy jointing compound dries up. Remove the form work after 24 hours in the cae of column and after a period of 72 hours in the case of slab and beam and chekc for any surface defects and if so apply to polymer modified mortar-Complete | 630.12 | Sqm | | |
| 7.0 | MR | Core Cutting in the existing RCC Slab for pouring Micro Concreting | 93.00 | Nos | | |
| 8.0 | 1.10 | Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required. | | | | |
| 8.1 | 1.10.2 | Group B | 70.00 | Points | | |

| Item No | DSR Item No. | Description | Qty | Unit | Rate | Amount |
|----------------|---------------------|--|------------|-------------|-------------|---------------|
| 9.0 | MR | Supplying and fixing of fan hook by dismantling ceiling portion and tying the fan hook with the main rod of the roof | 33.00 | Nos | | |

TOTAL