

GUJARAT MINERAL DEVELOPMENT CORPORATION LIMITED

Tender No-18-PP-Chimney Platform ladder-2022					
PRICE BID					
Sub: Work of Replacement of MS ladder , Platform and with other works for two numbers of 30.0 meter high Chimneys at 2x125 MW Thermal Power Station , Village- Nani Chher , Tal: Lakhpat, Dist- Kutchh					
Schedule of Quantity					
Sr.No	Description	Qty.	Unit	Rate	Amount
1	Providing , supplying and Fixing of fabricated hot dip galvanized structural steel like channel ,angle , flat , pipe,beam, M.S. plate etc.for platform , ladder and railing at all levels as per the original drawings including anchoring the steel members in existing concrete by epoxy mortar EPCO KPHP 350 system or equivalent to make it impervious wherever required as directed by EIC at site including all labour , material , machineries , scaffolding , winch, julas, tools, tackles, consumables, loading, unloading require all safety measures require for such high structures as per rules etc. complete excluding the cost of hot dip galvanizing to steel structures (chimney height up to 30 Mtr.) The cost of anchor fasteners, grouting material as per specifications are included in rates.The jointing of all structural steel members should be with hot dip high strength friction grip bolts and nuts (item no.4) and cost of nuts and bolts shall be paid in respective item no.4. Structural steel will be as per IS 1786 of TATA, SAIL , TISCO or equivalent as approved. The prior approval of equivalent standard steel manufacturer to be obtained from EIC before fabrication work . Drawings will be provided by GMDC.	14255	Kg	0	0
2	Dismantalling safely of the old ladders and platforms for erection of the new ladders and platform from chimneys up to height of 30 Mtrs. Including all safety measures, required all machineries, cranes, tools, tackles, loading & unloading, transportation and stacking in GMDC store premises at project as directed by Elc	9265	Kg	0	0
3	Hot dip galvanizing of all the structural steel members of ladders & platform at the rate of 750 Gram per sq.M. or 100 micron average thickness. Steel must withstand normal galvanizing operation without embrittlement as per IS 6158 : 1971. The Zinc conforming to at least grade Zn 99.95 specified in IS 209 - 1979 for the purpose of galvanizing. The member shall be galvanized in accordance with IS 2629:1966. It should conform uniformity of coating in accordance with IS 2633: 1966 . It should conform uniformity of coating in accordance with IS 2633 : 1972 and weight of coating in accordance with IS 6745: 1972 by measuring thickness of coating with the help of magnetic thickness gauge.Scope of work is excluding the cost of structural steel members.	14255	Kg	0	0
4	Supply of high strength friction grip bolts, washers, nuts, clamps as required shall be hot dip galvanised with minimum quantity of zinc coating @750 gms/sq.m. of surface area.	200	kg	0	0

5	Removal of loose and damaged plaster or cover concrete up to good parent concrete or up to reinforcement level , traces of shoots ,grease , oil etc. using impact high frequency hammer / chisel without damaging the exiting concrete (if required) and by wire brush (metallic brushes only) including cleaning of existing concrete surface carefully by suitable means . The item includes all necessary machinery , scaffolding, winch, julas, tools, tackles, consumables, loading, unloading require all safety measures require for such high structures as per rules etc. providing and erecting the safety net of opening 75 mm x 75 mm x 12 mm size in addition to sturdy GI corrugated arrester tray to prevent the debris falling on ground during progress of work and keeping the same during the entire period of work , providing a well supported tubular steel prop arrangement to support the shell complete cleaning the surface by air jet as per specification and instruction of engineer in charge . (Surface area of the member shall be measured for payment purpose).	422	Smt	0	0
6	Providing and placing single component , dual shrinkage compensated , ready mixed high strength fiber reinforced thixotropic repair mortar REPPATCH 45 T or equivalent in average thickness of 50 mm for covering the damaged structural member and reinforcement including applying alkaline rust converting primer FEOVERT followed by two coats of migratory bipolar corrosion inhibitor EPCO KP-100 or any equivalent products including providing and applying two coats of epoxy pherolic IPNET-RB or any equivalent products over corroded steel bars to prevent it from further damage. Also including application of epoxy latex bond coat of EL-MONOBOND or any equivalent products prior to application of repair mortar to ensure bond between old concrete and new repair system item , including scaffolding, winch, julas, tools, tackles, consumables, loading, unloading require all safety measures require for such high structures as per rules etc.providing and erecting the safety net of opening 75 mm x 75 mm x 12 mm size in addition to sturdy GI corrugated arrester tray to prevent the debris falling on ground during progress of work and keeping the same during the entire period of work , curing inclusive of all labour , materials , equipment etc . complete as per specification and instruction of Engineer in charge . Mixing should be done using mechanical ,heavy duty , slow speed drill with spiral mixing blade or forced action pan mixer . Curing must be done by use of hessian maintained in a damp condition for minimum 7 days. The material to be used shall have the following key performance properties: Material type : In build fiber reinforcement type single component dual shrinkage compensated cementitious powder Sagging characteristics: Non sag minimum up to 50 mm Fresh wet density : 2200 - 2250 kg /m3 Compressive strength as per ASTM C 109 (3 days and 28 days) : 25 MPa and 45 MPa	422	Smt	0	0
TOTAL					

