

17/BVN/ARC/CIVIL MAINTENANCE WORK/2020

Name of Work- Annual Maintenance Contract for Two years for the miscellaneous Civil works (Repairs and Maintenance work as and when required) at GMDC residential colony campus and civil structures at Mines Premises at Lignite Project Bhavnagar , Tal: Ghogha , Dist- Bhavnagar, Gujarat .

PRICE BID- Part-I- Civil Works

| Item No | Description | Qty for two Years | Unit | Rate | Amount |
|---------|--|-------------------|------|------|--------|
| 1 | Excavation for foundation up to 1.5 Meter depth including sorting out and stacking of useful materials and disposing of excavated stuff up to 50 Meter lead in Soft/Loose soil | 30 | Cmt | 0 | 0 |
| 2 | Excavation for foundation up to 1.5 Meter depth including sorting out and stacking of useful materials and disposing of excavated stuff up to 50 Meter lead. In Dense or Hard Soil | 20 | Cmt | 0 | 0 |
| 3 | Filling in foundation and plinth with murrum or selected soil brought from outside in layers of 20 cm thickness including watering, ramming and consolidating etc. complete | 15 | Cmt | 0 | 0 |
| 4 | Filling in plinth with sand under floors including watering ramming,consolidating and dressing etc. | 20 | Cmt | 0 | 0 |
| 5 | Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg/Sq.cm. in foundation and plinth in cement mortar 1:6 in true line level and plumb including racking out joints,rubbing and cleaning the surface,curing ,scaffolding etc. as directed for all type of structure including cost of cement.etc. as directed by EIC , Conventional | 2 | Cmt | 0 | 0 |
| 6 | Brick work using common Brunt clay building bricks having crushing strength not less than 35 Kg/Sq.cm in super structure in cement mortar 1 : 6 in true line level and plumb including racking out joints,rubbing and cleaning the surface ,curing , scaffolding etc. as directed for all type of structure including cost of cement etc. as directed by EIC , conventional | 5 | Cmt | 0 | 0 |
| 7 | Providing and Laying cement concrete 1:4:8 (1 - cement : 4 - coarse sand : 8 stone aggregates of 40 mm . Nominal size in line and level including compection,curing etc. complete for all type of work in foundation , plinth , floor including cost of from work and cost of cement . | 5 | Cmt | 0 | 0 |
| 8 | Do as above item No - (7) But in CC (1:3:6) | 5 | Cmt | 0 | 0 |

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| 9 | Providing and Laying cement concrete 1:2:4 (M - 150) and finishing smooth with curing etc. complete including the cost from work but excluding the cost of reinforcement for a R.C.C structure footings, foundation, base or column etc as directed and specified including watering , pouring, required scaffolding, hoisting for all depth and heights etc. complete . | 5 | Cmt | 0 | 0 |
| 10 | providing and laying cement concrete 1:2:4 (M - 150) and finishing smooth with curing etc. complete including the cost from work but excluding the cost of reinforcement for all type of R.C.C structure like, walls , beams, slabs, lintels, fins, coping weather shed, stair, raft, column etc as directed and specified including watering, pouring, required scaffolding, hoisting for all depth and heights including cost of cement etc. complete. | 2 | Cmt | 0 | 0 |
| 11 | - Do - for M 20 grade concrete | 2 | Cmt | 0 | 0 |
| 12 | Providing TMT bar reinforcement confirming to IS 1786 for R.C.C work including straightening, cutting, bending binding with 16 gauge annealed wire, and placing in position etc. complete as directed for all levels including cost of reinforcement steel | 300 | Kg | 0 | 0 |
| 13 | Providing and Laying cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm . Nominal size) laid in one layer finished with a floating coat of neat cement 50 mm thick | 10 | Smt | 0 | 0 |
| 14 | Providing and fixing 35 mm Thick Indian teak wood shutters for doors, windows and clearstorey windows including enamelled M.S. Butt hinges with necessary screws. etc. as directed by EIC Fully Panelled | 5 | Smt | 0 | 0 |
| 15 | Providing and fixing Indian teak wood frames 12 cm x 7 cm size including primer coat at approved quality and two coats of oil painting etc. complete Fully panelled | 50 | Cu dm | 0 | 0 |
| 16 | Providing 15 mm thick cement plaster in single coat in CM 1:4 on all side of Brick /concrete walls surface finished even and smooth in true line , level and plumb for any height including normal patta, grooves, racking the joints or roughening the RCC surface necessary scaffolding, curing etc complete as directed including cost of cement. etc as directed by EIC | 50 | Smt | 0 | 0 |

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| 17 | 20 mm thick sand faced cement plaster on walls of all type of surface consisting of 12 mm thick backing coat of c.m 1:3 (1 cement :1 sand) and 8 mm thick finishing coat of 1: cement : 1 sand) at any height in true line, level and plumb including normal patta, grooves,racking the joints or roughening the RCC surface necessary scaffolding,curing complete etc complete including cost of cement etc.as ditected by EIC | 30 | Smt | 0 | 0 |
| 18 | Extra over for above two items 16 and 17 for providing and mixing water proofing material in cement mortar in proportion recommended by the manufactures | 5 | Per bag of 50 Kg.of cement used in | 0 | 0 |
| 19 | Providing cement vata(10 cm x 10 cm size) quarter round in cement mortar 1:1 including neat cement finishing watering at any ht. etc .complete as Directed by EIC | 50 | Rmt | 0 | 0 |
| 20 | Providing and Fixing 4 mm thick sheet glass bedded in putty and fixed with Splash pin/clip and necessary cutting of glass including the removing of old glass as directed | 5 | Smt | 0 | 0 |
| 21 | - Do - as above for 5 mm thick bajri glass | 5 | Smt | 0 | 0 |
| 22 | Providing and Fixing M.S. Plain grills of required patern to wooden frames of windows etc.with M.S.flats at required spacing and frame all round square or round bars with round headed bolts and nuts or by screw of required patterns to wooden frames of windows/to M.S frame windows including cost of st. steel etc as directed by EIC | 10 | Kg | 0 | 0 |
| 23 | Providing 6 mm thick A.C. (asbestos cement) corrugated sheets roofing fixed with Galvanised iron 'j ' or ' L ' hooks bolts and nuts 8 mm diameter with bitumen and G.I Limpet washers filled with white lead,bitumen washer etc complete excluding the cost of purlins,raffers and trusses etc. as directed by EIC | 50 | Smt | 0 | 0 |
| 24 | Providing and laying Chemical water proofing treatment using Dr.Fixit Turchshield APP/SBS modified bitumen based ,heavy duty membrance of 4 mm thickness for water proofing of Large area of pre treatment system at carrying out the work as per specification .Contractor shall have to give pond test and 5 years performace gurantee for the treatment tobe furnished against any leakage or seepage, including cleaning (demolition of previous treatment of flooring if required) curing as directed | 10 | Smt | 0 | 0 |

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| 25 | Providing and Fixing of ISI approved make hydraulic door closer like Falcon/ Godrej/hardwin or equivalent make as approved and as directed with two years gaurantee . | 4 | No | 0 | 0 |
| 26 | Providing and fixing of Brass Cromium plated Mortice lock of Godrej make with handles of approved quality | 2 | No | 0 | 0 |
| 27 | Providing and Lying white/coloured glazed tiles 6 mm thick in flooring treads of steps landings and dedo laid on a bed 12 mm thick cement mortar 1:3 (1 cement : 3 coarse sand) pointing in white cleaned jointed with white cement slurry in line and lvls as specified and directed including cost of cement etc. as directed by EIC | 20 | Smt | 0 | 0 |
| 28 | P and L Ceramic vitrified flooring tiles 8 to 10 mm thick in flooring ,tread so steps landings and dedo laid on a bed of 12 mm thick cement mortar 1 : 3 (1 cement : 3 coarse sand) finished with flush pointing in white cement etc as directed by EIC | 10 | Smt | 0 | 0 |
| 29 | Providing and laying 25 mm thick Kota stone slab flooring over 20 mm (average thick base of cement mortar 1:6 (1 cement : 6 coarse sand) and jointed with grey cement slurry including rubbing and polishing complete in line and lvls as specified and directed including cost of cement etc. as directed by EIC | 3 | Smt | 0 | 0 |
| 30 | Removing /scrapping of old white wash/distemper and sand papering the wall surface smooth including necessary repairs to scratches complete | 40 | Smt | 0 | 0 |
| 31 | Scraping oil paint from steel and other metal surfaces and making the surface even with sand papering | 30 | Smt | 0 | 0 |
| 32 | White washing with lime or colour washing with adding pigmentation on wall surface (Two coats) to give an even shade including thoroughly brooming the surface to remove all dirt ,dust ,mortar drops and other foreign matter for all heights including required scaffolding etc. complete etc as directed by EIC | 50 | Smt | 0 | 0 |
| 33 | Painting two coats (excluding priming coat) on steel and other metal surfaces with enamel paint of approved make and shed including brushing interior to give an even shade including cleaning the surface of all dirt , dust and other foreign matter for all heights including required scaffolding etc completed etc. as directed by EIC | 30 | Smt | 0 | 0 |

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| 34 | Distempering (two coats) with oil bound distemper of approved brand and manufacturer and of required shade on wall surface to give an even shade,over and including a primary coat with cement primer of approved brand after throughly brushing the surface free from mortar dropping and other foreign matter and also including preparing the surface even and smooth for all heights including required scaffolding etc complete | 50 | Smt | 0 | 0 |
| 35 | Finishing wall with water proofing cement paint on wall surface (two coats) approved brand and manufacture and of required shade after throughly brushing the surface to remove all dirt,and removing of loose powdered materials for all heights including required scaffolding etc complete etc. as directed by EIC | 50 | Smt | 0 | 0 |
| 36 | Providing and fixing water closet squatting pan (Indian type W.C.Pan) following size Vitreous china Long patter white colour including all necessary materials sand civil work etc completed as directed 580 mm size | 3 | No | 0 | 0 |
| 37 | Providing and Fixing water closet squatting pan (Indian type W.C. Pan) Vitreous china Long patter white colour including all necessary materials and civil works etc completed as directed 500 mm size | 2 | No | 0 | 0 |
| 38 | Providing and Fixing coloured wall hung water closet of Cera make with seat cover and jet spreay etc completed as directed. | 2 | No | 0 | 0 |
| 39 | Providing and fixing 100 mm size 'P' or 'S' trap for water closet squatting pan including jointing the trap with the pan and soil pipe in cement mortar 1:1 (1 cement : 1 sand),Vitreous china | 6 | No | 0 | 0 |
| 40 | Providing and fixing to wall ,ceiling and floor galvanised mild steel tubes (Medium grade) of the following nominal bore,tube,fitting and clamps included making good the wall , ceiling and flor etc.as directed by EIC (A) 15 mm | 2 | Rmt | 0 | 0 |
| 41 | b) 25 mm | 2 | Rmt | 0 | 0 |
| 42 | c) 32 mm | 2 | Rmt | 0 | 0 |
| 43 | d) 40 mm | 2 | Rmt | 0 | 0 |
| 44 | e) 110 mm | 2 | Rmt | 0 | 0 |
| 45 | Providing and laying UPVC of Astral /Prince/Finolex pipe of the following nominal bore including all fittings,ISI make at all level . (Earth work in trenches to be measured and paid for seperately) etc as directed by EIC (a) 15 mm | 10 | Rmt | 0 | 0 |
| 46 | b) 25 mm | 10 | Rmt | 0 | 0 |
| 47 | c) 32 mm | 2 | Rmt | 0 | 0 |
| 48 | d) 40 mm | 2 | Rmt | 0 | 0 |

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| 49 | e) 50 mm | 2 | Rmt | 0 | 0 |
| 50 | Providing and laying CPVC 13.5 SDR pipe of the following nominal bore and tube fitting including all fittings,labour and at all level,(Earth work in trenches to be measured and paid for seperately) etc.as directed by EIC 15 mm dia | 2 | Rmt | 0 | 0 |
| 51 | Providing and fixing to wall ,ceiling and floor 6.0 Kg f/cm 2 working pressure polythylene ISI pipes of the following outside dia ,complete ,as directed by EIC for 75 mm | 20 | Rmt | 0 | 0 |
| 52 | Do- as above but for 110 mm | 30 | Rmt | 0 | 0 |
| 53 | Providing and fixing PVC Nahni trap of the following nominal diameter of self cleaning design with C.I screwed down or hinged grating including cost of cutting and making good the walls and floors 100 mm inlet and 50 mm outlet etc as directed by EIC | 3 | No | 0 | 0 |
| 54 | Providing and fixing S.W.Gully trap with C.I.Cover fixed in brick masonry chamber and water tight C.I Cover with frame of 300 mm x 300 size (inside) with standard weight square mouth traps ,150 mm x 100 mm size P or r type including cost of cement etc as directed by EIC | 2 | No | 0 | 0 |
| 55 | P / F CP Bras screw full turn Bibcock etc.of ESS ESS Make/std quality as directed by EIC 15 mm | 5 | No | 0 | 0 |
| 56 | Providing and fixing Pillar tape having capstan head, screw down high pressure with screws, shanks and back nuts of ESS ESS Make /std quality etc. as directed by EIC | 3 | No | 0 | 0 |
| 57 | P/F Brass screw down stop Cock / angle cock of std quality like ESS ESS or equivalent Make as directed by EIC 15 mm | 2 | No | 0 | 0 |
| 58 | Providing and Fixing chromium plated brass half turn flush cock of ESS ESS / approved Make including fixing in pipe line etc complete . Etc of std quality as directed by EIC 25 mm | 2 | No | 0 | 0 |
| 59 | Providing and fixing Brass float valve heavy duty with P.V.C ball cock including .Required tools ,tackles, ladders etc of std quality as directed by EIC 25 mm | 10 | No | 0 | 0 |
| 60 | Providing and Fixing wash basin with single hole for pillar tap with C.I.or M.S. brackets painted white including cutting holes and making good the same but excluding fittings: Vitreous china,Flat back white wash basin 500 mm x 400 mm size including cost of cement etc. of CERA/std quality as directed by EIC | 2 | No | 0 | 0 |

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| 61 | Providing and fixing 600 mm x 450 mm bevelled edge mirror of superior glass mounted on 6 mm thick A.C. sheet or plywood sheet and fixed to wooden ,lugs with C.P. brass screws and washers etc. of std qualities ditected by EIC | 2 | No | 0 | 0 |
| 62 | providing and Fixing urinal approved quality connecting the urinal with integral longitudinal flush pipe Squatting plate pattern white earthen ware 550 mm x 300 mm including cost of cement etc of std qualities ditected by EIC. | 4 | No | 0 | 0 |
| 63 | Providing and laying (Two level or slopes) and jointing with stiff mixture of cement mortar in proportion 1:1 salt glazed stone ware pipes following nominal internal diameters including testing of pipes and joints etc complete 100 mm dia | 10 | Rmt | 0 | 0 |
| 64 | Do- as above but for 150 mm | 10 | Rmt | 0 | 0 |
| 65 | Providing and Fixing water tight storage tank (ISI make) made from linear low density polyethylene and low density polyethylene LDPE product confirming to IS 10145 - 1982 with cover including providing and fixing one 25 mm dia float valve ball cock, one 25 mm dia GI waste pipe with plung,one 25 mm dia GI waste pipe with plug,one 25 mm dia GI over flow pipe of length up to 0.3 mt including making all connection for outlet/inlet etc. at any level with all men power,tools,tackles completed as directed for 500 liter capacity | 3 | No | 0 | 0 |
| 66 | b) for 1000 liter capacity | 2 | No | 0 | 0 |
| 67 | c) for 2000 liter capacity | 1 | No | 0 | 0 |
| 68 | Demolition including stacking of serviceable , materials and disposal of unserviceable materials with all lead and lift for RCC Work etc. as directed by EIC. | 2 | Cmt | 0 | 0 |
| 69 | Demolition and disposal of unserviceable , materials with all lead and lifts for Unreinforced cement concrete including manpower,tools,tackels completed as directed | 2 | Cmt | 0 | 0 |
| 70 | Demolition of brick work and stone masanry in cement mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift including required manpower, tools, tackels etc complete as directed | 2 | Cmt | 0 | 0 |
| 71 | Dismantling tiles or stone floors laid in cement mortar including stacking of serviceable materials and disposal of unserviceable materials with all lead and lift including required manpower,tools,tackels etc complete as directed | 10 | Smt | 0 | 0 |

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| 72 | Dismantalling of AC / GI sheet roofing including ridges, hips, valleys, gutters etc including stacking of serviceable materials with all lead and lift etc as directed by EIC A.C. Sheet roofing | 100 | Smt | 0 | 0 |
| 73 | Dismantalling steel work ,including dismantalling ans stacking the materials with all leads and lifts as directed by EIC | 200 | Kg | 0 | 0 |
| 74 | Dismantalling doors, windows ,ventilators etc (wood or steel) shutters including chowkhats,Architraves,Holdfasts and other attachment etc. complete and stacking them within all lead and lift etc. as directed by EIC | 4 | Each | 0 | 0 |
| 75 | Dismantalling barbed wire in fencing including making rolls and also including dismantalling fencing posts including all earth work concrete in base and making good and level the distrubed ground , stacking useful materials as directed and disposing of the unserviceable materials with all lead and lift etc as directed by EIC | 350 | Rmt | 0 | 0 |
| 76 | Removing of old plaster (smooth , mala ,sand faced) work incl. scaffolding and disposing the stuff to a lead of 500 mt radius etc complete | 50 | Smt | 0 | 0 |
| | TOTAL for Two years | | | | |