

INDIAN INSTITUTE OF GEOMAGNETISM

Part B FINANCIAL BID

Tender Ref. No. IIG/EM/CC/04

Date. 25.01.2023

Sub: Construction of Cement Concrete Road & Repair of Compound Wall
at IIG Panvel.

SCHEDULE OF QUANTITY:

Sr. No.	Description	Unit	Qty	Rate	Amount in Rs.
1	Excavation in earth work				
1.1	Earth work in excavation by mechanical means (Hydraulic excavatory)/manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and lift upto 1.5 m, as directed by In charge All Kinds of soil	Cum	27.00		
2	Masonry work				
2.1	Bricks work with common burnt clay F.P. S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement Mortar 1:6 (1 Cement:6 coarse sand)	Cum	0.90		
3	Steel Work				
3.1	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Kg	320.00		
4	Finishing				
4.1	Cement plaster 1:3 (1 Cement:3 Coarse sand) finished with a floating coat of near cement 20 mm cement plaster	Sqm	29.04		
4.2	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade : Two or more coats on new work	Sqm	48.00		

5	ROAD WORK				
5.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth with lead upto 50 metres.	Sqm	180.00		
5.2	Providing and laying design mix cement concrete of M-30 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of In-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately).Note:- Cement content considered in M-30 is @ 340 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately. Cement concrete prepared with batch mixing machine	Cum	13.50		
5.3	Providing and laying at or near ground level factory made kerb stone of M-25 grade cement concrete in position to the required line, level and curvature, jointed with cement mortar 1:3 (1 cement: 3 coarse sand), including making joints with or without grooves (thickness of joints except at sharp curve shall not to more than 5mm), including making drainage opening wherever required complete etc. as per direction of In-charge (length of finished kerb edging shall be	Cum	5.50		

	measured for payment). (Precast C.C. kerb stone shall be approved by In-charge).				
5.4	Construction of granular sub-base by providing close graded Material conforming to specifications, mixing in a mechanical mix plant at OMC, carriage of mixed material by tippers to work site, for all leads & lifts, spreading in uniform layers of specified thickness with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications and directions of In-Charge. With material conforming to Grade-III (size range 26.5 mm to 0.075 mm) having CBR Value-20	Cum	9.00		
6	Providing and laying stone soling with 23 cm hard stone including packing with smaller stones filling voids with available earth moorum including watering and compacting with vibratory power roller to achieve the desired compactness etc. complete as per specifications and directions of In – Charge.	Cum	26.00		
7	Providing and laying non-pressure NP2class (light duty) R.C.C. pipe with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement:2 fine sand) including testing of joints etc. complete	Mtr	10.00		
	Total Cost (Inclusive GST & all taxes)				