

Price Bid/BOQ

Name of the Work : Construction of a new main Gate at the entrance of officers colony , repairing of existing Bituminous Macadam Road of 125m(L) x 3.60m(w) from main gate of officer's colony to IB gate & constructing a new C.C (cement concrete) approach road form IB gate to IB at 132kV Depota GSS AEGCL.

NIT no- AEGCL/DGM/TTC/TEZ/T-20/2022/190 Dated 16/12/2022

Sl. No.	Description of items	Qty.	Unit	Rate	Amount
Part A- Construction of main gate for staff colony.					
1	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.SHS 60X40X4.5MM for main frame (5.45kg/m)purlins of 30x30x3.2mm (2.49kg/m)@ 127mm c/c	311.51	kg		
2	Providing and fixing ISI marked oxidised M.S. pressed butt hinges with necessary screws etc. complete125x65x2.12 mm	10	each		
3	Renewing Wrought iron or M.S. Wheel or roller of steel door or gate and fitting and fixing the same with necessary clamps, nuts and bolts/welding and erection etc. complete.Wheel 50 mm dia and below	2	per wheel		
4	Providing and fixing bolts including nuts and washers complete(20mm dia of length 20cm @ 2.47kg/m)	6.92	kg		
5	Finishing with Epoxy paint (two or more coats) at all locations prepared and applied as per manufacturer's specifications including appropriate priming coat, preparation of surface, etc. complete	18.80	sqm		
6	Applying one coat of water thinnable cement primer of approved brand and manufacture on wall surface : Water thinnable cement primer	6.73	sqm		
7	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade : (two coats)	6.73	sqm		
Part B- Repairing of existing Bituminous Macadam Road.					
	Description of items	Qty.	Unit	Rate	Amount
8	Clearing and Grubbing Road Land: Clearing and grubbing road land including uprooting wild vegetation, grass, bushes,shurbs,saplins and trees of girth upto 300mm, removal of stumps of such trees cut earlier and disposal of unserviceable material to be used or auctioned, upto a led of 1000m including removal and disposal of top organic soil not exceeding 150mm in thickness as per technical specification clause 201 i By manual means	21	man days		

9	Scarifying the existing bituminous road surface to a depth of 50 mm and disposal of scarified material within all lifts and lead upto 1km (by mechanical means).	450.00	Sqm		
10	Wet Mix Macadam Providing, laying, spreading and compacting graded stone aggregate (size range 53 mm to 0.075 mm) to wet mix macadam (WMM) specification including premixing the material with water at OMC in for all leads & lifts, laying in uniform layers with mechanical paverfinisher in sub- base / base course on well prepared surface and compacting with vibratory roller of 8 to 10 tonne capacity to achieve the desired density, complete as per specifications and directions of Engineer-in-Charge. considering 75mm thickness (minimum value as per IS code)	33.75	Cum		
11	Prime Coat:i) Providing and applying Primer coat with bitumenous emulsion (SS 1) on the prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70 - 1.0 kg/sqm using mechanical means as per technical specification clause 502	450.00	Sqm		
12	Tack Coat :Providing and applying tack coat using bitumen emulsion conforming to IS:8887, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom.	900.00	Sqm		
13	Dense Bituminous Macadam:(D.B.M)Providing and laying semi- dense Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in Charge. 25 mm compacted thickness with bitumen of grade VG 30 @ 5% (percentage by weight of total mix) and lime filler @ 2% (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity.	450	Sqm		

14	Surface dressing one coat on new surface with bitumen of specified grade at a rate of 1.95 kg/sqm of surface area with 1.5 cum of stone chippings 13.2 mm nominal size per 100 sqm of road surface, including consolidation with road roller of 6 to 8 tonne capacity , etc. complete :	450.00	sqm		
15	SEAL COAT Providing and laying seal coat of premixed fine aggregate (passing 2.36 mm and retained on 180 micron sieve) with bitumen using 128 kg of bitumen of grade VG - 10 bitumen per cum of fine aggregate and 0.60 cum of fine aggregate per 100 sqm of road surface, including	450.00	Sqm		
16	Painting road surface marking with adequate nos of coats to give uniform finish with ready mixed road marking paint conforming to IS : 164, on bituminous surface in white/yellow shade, including cleaning the surface of all dirt, scales, oil, grease and foreign material etc. New work (One or more coats)	25.00	Sqm		
17	Providing and fixing Glow studs of size 100x20 mm made of heavy duty body shall be moulded ASA (Acrylic styrene Acryloretrite) or HIP (High impact polystyrene) or ABS having electronically welded micro- prismatic lens with abrasion resistant coating as approved by Engineer in charge. The glow stud shall support a load of 13635 kg tested in accordance with ASTM D4280. The slope of retro- reflective surface shall be 35 (+/-5) degress to base .The reflective panels on both sides with at least 12 cm of reflective area up each side. The luminance intensity should be as per the specification and shall be tested as described in ASTM I: 809 as recommended in BS: 873 part 4 : 1973. The studs shall be fixed to the Road surface using the adhesive conforming to IS, as per procedure recommended by the manufacturer complete and as per direction of Engineer-in-charge.	92	each		
Part C- Constructing approach CC road for IB.					
	Description of items	Qnty.	Unit	Rate	Amount
18	surface dressing of the ground including removing vegetation and in equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.	120.00	sqm		
19	Centering and shuttering including strutting, propping etc. and removal of form work for :	9.60	sqm		
20	CONCRETE PAVEMENTSCement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size) in pavements, laid to required slope and camber in panels as required including consolidation finishing and tamping complete.	18.00	cum		
Total (Including GST)=					

Name & Signature of bidder