

SCHEDULE - B**Name of Work :- Special Repairs to roads in Gopalpuri (Cement Concrete Pavement)**

Sr No	Description of items	Quantity	Unit	Rate	Amount(In Figures)	Amount(In Word)
1	Earth work in excavation by mechanical means (Hydraulic excavator)/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, All kinds of soil. /filled material/ Road crust consisting of bitumen surface and metalling etc as directed by engineer-in-charge.	7744	CUM			
2	Disposal of excavated material lead upto 2 km beyond 1.5 km and lift upto 1.5 m, as directed by Engineer-in-charge.All kinds of soil. /filled material/ Road crust consisting of bitumen surface and metalling etc.	7936	CUM			
3	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity and dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade as directed by engineer-in Charge	20339	M2			
4	Construction of dry lean cement concrete sub-base over a prepared sub- grade with coarse and fine aggregate conforming to IS:383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per specifications, cement content not to be less than 150 Kg/cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, for all leads & lifts, laid with a mechanical paver, compacting with 8-10 tonne vibratory roller, finishing and curing etc. complete as per direction of Engineer-in- charge.	2034	CUM			
5	Providing and fixing Black Linear low-density polyethylene (LDPE) Sheets 160 Microns thick as a separation layer over Dry lean cement concrete (DLC) / Plain cement concrete (PCC) complete all labour and material as directed by Engineer-in- charge.	20339	M2			

Sr No	Description of items	Quantity	Unit	Rate	Amount(In Figures)	Amount(In Word)
6	Providing and laying Pavement Quality Concrete of M-30 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate as per approved & specified design criteria, using approved admixture providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using slip form concrete paver with electronic sensors, levelling to required slope/ camber, finishing with required texture, 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 Engineer-in- charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately). (Cost is exclusive of Reinforcement). Note:- Cement content considered in M-30 is @ 340 kg/cum. Excess./less cement used as per design mix is payable/ recoverable separately.					
A]	Cement concrete manufactured in automatic batching plant (RMC plant) i/c transportation to site in transit mixer and laying with slip form paver.	4068	CUM			
B]	Extra for providing and mixing hardening compound of approved quality as per manufacturer's specification incement concrete.	4068	LTR			
C]	Extra for providing and mixing poly-propylene fiber of approved quality as per manufacturer's specification in cement concrete.	3661	KG			
D]	Providing and laying/Filling of joints by Using poly sulphite sealing compound after proper cleaning the dust from groves of 10mm X 50mm Using grade 'A' sealing compound as directed by Engineer-in-charge.	26004	per cm depth per cm width per m length			

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7	Providing and fixing mild steel round dowel straight bars of grade S 240 and Tie Bars confirming, to IS 432, Part -I including two coats bond breaking layer of bitumen for one half length and provided with expansion cap at the painted end filled with cotton waste or other compressible material to maintain sufficient gap between bar end and the inside of the cap. Complete all labour and material as directed by Engineer in Charge.					
A]	DOWEL BAR : 25MM DIA, Length - 450 mm, 300 mm C/C Provided	13559	NO.			
B]	Tie BAR : 12MM DIA, Length - 640 mm, 900 mm C/C Provided	850	KG			
8	Supplying and fixing retro reflective sign boards made up of 6 mm thick MS Plate,Cautionary /warning sign boards of equilateral triangular shape having each side of 900 mm & Rectangale shape having 900x600 made up with ISA 20x20x3, support length of 2000mm complete including foundation and fixing as directed by engineer-in-charge.					
A]	Rectangle type	20	EACH			
B]	Triangle type.	20	EACH			
9	Providing Trapezium HDPE ROAD BARRIER as directed by engineer-in-charge.	25	EACH			
10	Providing and applying 2.5 mm thick road marking strips (retro-reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications.	1387	SQM			
11	Providing and Fixing Road Studs Inbuilt Solar light Cat Eye Size 125x125x25mm as directed by engineer incharge	1177	EACH			

Sr No	Description of items	Quantity	Unit	Rate	Amount(In Figures)	Amount(In Word)
12	Taking out existing CC interlocking paver blocks from footpath/ central verge, including removal of rubbish etc., disposal of unserviceable material to the dumping ground, for which payment shall be made separately and stacking of serviceable material within 50 metre lead as per direction of Engineer-in-Charge.	24032	SQM			
13	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	392	CUM			
14	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m,All kinds of soil.	626	SQM			
15	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	35	CUM			
16	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level : 1:3:6 (1 Cement : 3 coarse sand (zone-III) derived from natural sources : 6 graded stone aggregate 40 mm nominal size derived from natural sources)	85	CUM			
17	Providing and laying factory made chamfered edge Cement Concrete paver blocks In foot path, park & lawns driveway or light & traffic parking etc. of required strength, thickness & size/ shape, made bytable vibratory method using PU mould, laid in required colour & pattern over 50mm thick compacted bed ofcourse sand, compacting and proper embedding/laying of inter locking paver blocks into the sand bedding layer through vibratory compaction by using plate vibrator, filling the joints with sand and cutting of paver blocks as per required size and pattern, finishing and sweeping extra sand, all complete as per manufacturer's specifications: 60 mm thick Cement concrete paver block of M-35 grade with approved colour, design & pattern.	27543	SQM			

Sr No	Description of items	Quantity	Unit	Rate	Amount(In Figures)	Amount(In Word)
18	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 Engineer-in-charge (Precast C.C. kerb stone shall be approved by engineer in charge)	195	CUM			
19	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.	1514	SQM			
20	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering,shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge.“(Note :- Cement content considered in this item is @ 330 kg/cum.“Excess/ less cement used as per design mix is payable/recoverable separately).					
A]	Providing M-30 grade concrete instead of M-25 (minimum cement content of 350 kg/cum)	536	CUM			
21	Centering and shuttering including strutting, propping etc. and removal of form for all heights :					
A]	Walls (any thickness) including attached pilasters, buttheresses, plinth and string courses etc.	1915	SQM			
B]	Suspended floors, roofs, landings, balconies and access platform	1188	SQM			
C]	Foundations, footings, bases of columns, etc. for mass concrete	70	SQM			

Sr No	Description of items	Quantity	Unit	Rate	Amount(In Figures)	Amount(In Word)
22	Steel reinforcement for R.C.C. work including straightening, cutting,bending, placing in position and binding all complete upto plinth level Thermo-Mechanically Treated bars of grade Fe-500D or more.	72360	KG			
23	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	55	CUM			
24	18 mm cement plaster in two coats under layer 12 mm thick cement plaster 1:5 (1 cement : 5 coarse sand) finished with a top layer 6 mm thick cement plaster 1:6 (1 cement : 6 fine sand).	2976	SQM			
25	Brick work with common burnt clay F.P.S. (nonmodular) bricks of class designation 7.5 in foundation and plinth in Cement mortar 1:4 (1 cement : 4 coarse sand)	142	CUM			
26	Washed stone grit plaster on exterior walls height upto10 metre above ground level, in two layers, under layer12 mm cement plaster 1:4 (1 cement : 4 coarse sand),furrowing the under layer with scratching tool, applyingcement slurry on the under layer @ 2 Kg of cement persquare metre, top layer 15 mm cement plaster 1:1/ 2:2 (1cement: 1/2 coarse sand : 2 stone chipping 10 mm nominal size), in panels with groove all around as perapproved pattern, including scrubbing and washing the top layer with brushes and water to expose the stone chippings ,complete as per specification and direction ofEngineer-in- charge.	1066	SQM			
27	Providing and planting different variety of plants of approved quality and sizes as mentioned including making pits of required size at site, refilled with B.C. Soil mixture manuring and pesticide etc. complete (to be paid separately) including watering and 90 days maintenance from the date of final bill as per direction of Engineer-in-Charge complete in all respect .	95	EACH			

Sr No	Description of items	Quantity	Unit	Rate	Amount(In Figures)	Amount(In Word)
28	Providing round type large size tree pots for roadsides and placing them across the indicated space and filling them with sweet soil and planting as per the guidance of Engineer-in-Charge.	95	EACH			
29	Good quality garden soil supply, filling and Primery levelling with JCB / Loader etc for the lawn / Flowerbed development approved by Engineer In Charge.	14	CUM			

Contractor

**EXECUTIVE ENGINEER (TD)
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