

Name of work :- A78

BILL OF QUANTITIES

(A) Percentage Rate Tender

Item No.	Description of Item (With brief Specification and reference in book of Specifications)	Quantity	Unit	Rate in Figures	Amount
1	2	3	4	5	6
1	Clearing and grubbing road land including uprooting rank vegetation grass bushes, shrubs, sapling and trees girth up to 300 mm removal of stumps of trees cut earlier and disposal of unserviceable materials By manual means in area of light jungle	9.00	Hect.	86262.08	776358.72
2	Earthwork in cutting in all sorts of soil and soft murrum including conveying ,spreading the stuff,rolling & Watering in embankment as and where directed within 200meters from the end of the cutting with all required lead and lift.	7560.00	Cum	160.85	1216026.00
3	Earthwork for embankment including breaking clods, dressing with all lead and lift (excluding watering and consolidation)(A) From Borrow pits within land width	7560.00	Cum	111.85	845586.00
4	Scarifying gravelled macadam or bitumen macadam surface 6 cm to 10 cm.depth including stacking useful materials on road side and disposing off remaining stuff.	38500.00	Sqm	42.59	1639715.00

1	2	3	4	5	6
5	Construction of Compacted Granular Sub Base (Grade -1 ,Crushed B T Material of 53 mm to 26.500 @ 35 %. 26.50 mm to 4.75 mm @ 45 % and Below 2.36 mm @ 20%) by Providing Close Graded Material . Mixing in Mechanical Mix Plant at OMC Carriage of Material to work site Spreading Uniform Layers with Mortar Grader On Prepared Surface and compacting with Vibratory Power Roller to achive desire density Complete as per Clause 401.	5775.00	Cum	1140.67	6587369.25
6	Graded II Granular sub base (GSB) Providing & Laying of Compacted closed graded Granular Sub base(GSB) in single layer of graded granular material consisting of only black trap crushed stone aggregate as per grading-IV given table 400-1 of the specification MORT & H and compacted to the required desity with vibratory roller with plain drum or heavy pneumatic tyred roller of minimum 200 to 300 KN weight in all seasons as per MORT&H, maintaining the required slope & grade during the operation as approved by the engineer in charge & watering to the proper moisture content and sprinkled with the help of truck mounted water tank fitted with suitable arrangements (Fully saturated having CBR value not less than 30)	3850.00	Cum	824.70	3175095.00
7	Providing, Laying, spreading and compacting graded stone aggregates to wet mix macadam as per MORT & H specification including premixing the material with water at OMC in mechanical mix plant, carriage of mixed material by tippers to site, laying in uniform layers with paver in sub base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density.	7700.00	Cum	1461.25	11251625.00
8	Providing and Spraying Prime Coat with Bitumen emulsion S S - 1 @ 7.50 Kg / 10 SqM including Cost of asphalt.	38500.00	Sqm	56.56	2177560.00

1	2	3	4	5	6
9	Excavating in situ soil and spreading available soil in the subgrade on a prepared surface, pulverising, mixing and spread soil in place with rotavator with 2 to 3 % Slaked lime + 15 to 20 % Flyash, Slaked lime having minimum 70 per cent of contents of CaO and Flyash of required properties, grading with hydraulic tractor grader and compacting with the smooth wheel road roller at OMC to achieve the desired density & CBR to form a layer of improved Sub grade as per Technical Specification clause 403.	7700.00	Sqm	593.88	4572876.00
10	Providing and laying 50 mm thick Bituminous Macadam with B.T. aggregate as per M.O.R.T. & H. specification and using emulsion RS-1 as per IS 8887: for tack coat @ 2.50 KG. / 10 Sq.m. with mechanical sprayer and Bulk asphalt VG-30 for mixing @ 34.00 KG. / M.T. i.e. 3.40 % of total weight of mix including heating and mixing the aggregate and asphalt in continuous of drum mix plant and hot laid process spreading the same by paver finisher and consolidation with roller as per M.O.R.T. & H specification to achieve desired density, including providing all materials equipments, tools and plants, fire wood, oil, kerosene, labour charges etc. complete using contractor's own machinery drum mix plant and paver finisher etc. complete..	8470.00	M.T.	2925.97	24782965.90
11	Providing and laying 25 mm thick Semi Dense Bituminous Concrete with B.T. aggregate as per M.O.R.T. & H. with mechanical sprayer and Bulk, asphalt Grade: VG-30 for mixing @ 50.00 KG. / M.T. i.e. 5.0 % by weight of total mix including heating and mixing the aggregate and asphalt by continuous of drum mix plant and hot laid process laying with paver finisher and consolidation with Vibratory roller as per M.O.R.T. & H specification to achieve desire density, including cost all materials equipments, tools and plants, oil, kerosene, firewood, labour charges etc. complete using contractor's own machineries drum mix plant and paver finisher etc. complete.	4427.50	M.T.	3568.0674	15797618.41

1	2	3	4	5	6
12	Providing and laying Compacted Specified quarry Spall in side shoulder including carriage of material and spreading on prepared base including compacting as per MOST Specification etc... complete.	2800.00	Cum	903.25	2529100.00
13	Providing and laying 50.00 mm thick Dense Bituminous macadam (D.B.M) in Single Layers with B.T. aggregate as per M.O.R.T. & H. specification and Bulk asphalt VG-30 for mixing @ 45.00 KG. / M.T. i.e. 4.5 % of total weight of mix of asphalt weight including heating and mixing the aggregate and asphalt in continuous of drum mix plant and hot laid process spreading the same by paver finisher and consolidation with roller as per M.O.R.T. & H specification to achieve desired density, including providing all materials equipments, tools and plants, fire wood, oil, kerosene, labour charges etc. complete using contractor's own machinery drum mix plant and paver finisher etc. complete.	4427.50	M.T.	3438.01	15221789.28
14	Providing and laying 30 mm thick Bituminous Concrete with B.T. aggregate as per M.O.R.T. & H. and using emulsion RS-1 as per IS 8887: for tack coat @ 2.50 KG. / 10 Sq.m. with mechanical sprayer and asphalt Grade: VG-30 for mixing @ 55.00 KG. / M.T. i.e. 5.5% by weight of total mix including heating and mixing the aggregate and asphalt by continuous of drum mix plant and hot laid process laying with paver finisher and consolidation with Vibratory roller as per M.O.R.T. & H specification to achieve desire density, including cost all materials equipments, tools and plants, oil, kerosene, firewood, labour charges etc. complete using contractor's own machineries drum mix plant and paver finisher etc. complete.	3696.00	M.T.	3839.77	14191789.92

1	2	3	4	5	6
15	Providing and laying 75mm thick Bituminous Grout with B.T. aggregate as per MORT&H specification. bitumen emulsion RS-1 as per IS 8887 Spray the solution for tackcoat at the rate of 0.4 liter per sqm on the existing bituminous surface with mechanical sprayer. Use bulk asphalt VG-30 for mixing @ 19.90 Kg / M.T. i.e. 1.99 % of total weight of mix using of asphalt weight including heating and mixing the aggregate and asphalt in continuous of drum mix plant and hot laid process spreading the same by Manually and consolidation with roller as per M.O.R.T. & H. specification to achieve desire density, including providing all materials equipments, tools and plants, fire wood, oil, kerosene, labour charges etc. complete using contractor's own machinery, drum mix plant and paver finisher etc. complete.(Spreading by Manually)	5775.00	M.T.	1732.90	10007497.50
16	Providing and laying 20mm thick Mix Seal Surface with tack coat @ 2.0 kg/10 sqm using B.T. chips as per M.O.R.T. & H. gradation type A and specification with VG-30 for mixing @ 51.00 Kg / M.T. i.e. 5.1 % of total weight of mix using including heating and mixing the aggregate and asphalt in continuous of drum mix plant and hot laid process spreading the same by paver finisher and consolidation with roller as per M.O.R.T. & H. specification to achieve desire density, including providing all materials equipments, tools and plants, fire wood, oil, kerosene, labour charges etc. complete using contractor's own machinery, drum mix plant and paver finisher etc. complete.	5313.00	M.T.	3868.22	20551852.86
17	Providing and filling in foundation with ordinary cement concrete M-100 mix and providing necessary vertical pin headrs incl. fromwork, vibrating, ramming and curing completed.	2475.00	Cum	3362.25	8321568.75

1	2	3	4	5	6
18	Providing and casting in situ ordinary cement concrete M-150 mix and providing necessary pin headers inc. shuttering, scaffolding, laying, vibrating, curing and finishing completed without V-groove (A) Height from 0.0 m to 5.0 m	5000.00	Cum	4024.98	20124900.00
19	Providing & laying rubble stone pitching 22.5 cm thick including preparing the surface and providing panelwall for pitching 3.0 x 3.0 m of cement concret 1:2:4 including pointing on pitching in CM 1:3 including curing, cost of all materials and labour.	5500.00	Sqm	850.42	4677310.00
20	Providing and Laying coarse sand in Single layers of required thickness with motor grader on prepared surface, mix with water in place method with vibratory roller to achive the desired density, complete.	1650.00	Cum	635.93	1049284.50
21	Providing and Laying W.B.M.of Grading I, using BTMC metal of size 45mm to 63mm size including using 13% stone Screening 13.2mm size and 8% stone dust as filler including spreading watering and Consolidation by Vibratory Roller etc. complete. Gradel.	5500.00	Cum	1625.73	8941515.00
22	Providing and Laying W.B.M. of Grading - II, using B.T.M.C. metal of size 53mm to 22.4mm in layers including 13% stone screening 11.2mm size and 7% stone dust as filler, including spreading, watering and cosolidation by vibratory roller as per MoRTH specifications etc. complete as directed by Engineer-in-charge.	5500.00	Cum	1690.13	9295715.00
23	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (to level or slope) of I.S. class NP 3 of following internal diameters.(iii) 600mm dia.	100.00	Rmt	1968.38	196838.00

1	2	3	4	5	6
24	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (to level or slope) of I.S. class NP 3 of following internal diameters.(v) 900mm dia.	200.00	Rmt	3469.26	693852.00
25	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts including setting and joining the pipes in C.M. 1:2 watering and laying (to level or slope) of I.S. class NP 3 of following internal diameters.(vii) 1200 mm dia.	150.00	Rmt	5560.01	834001.50
26	Providing & laying Rubble stone in foundation (each stone weighting not less than 40 kg) including filling the interstices with screen sand, consliding, watering and levelling the surface etc complete as directed by engineer in charge.	2940.00	Cum	884.08	2599195.20
27	Microsurfacing - Type -3: Providing and laying Microsurfacing consisting of a mixture of aggregates, modified bituminous emulsion, cement and additive on a road surface including cleaning of surface, mixing in a suitable mobile plant, laying and compacting to provide even riding surface.	5600.00	Sqm	204.02	1142512.00
28	Microsurfacing - Type -2: Providing and laying microsurfacing consisting of a mixture of aggregates, modified bituminous emulsion, cement and additive on a road surface including cleaning of surface, mixing in a suitable mobile plant, laying and compacting to provide even riding surface.	5600.00	Sqm	168.67	944552.00

1	2	3	4	5	6
29	Filling Pot-holes and Patch Repairs with open-Graded Premix surfacing, 20mm.: Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 503, back filling the pot holes with hot bituminous material as per clause 511, compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2	7000.00	Sqm	153.52	1074640.00
30	Filling Pot-holes and Patch Repairs with Bituminous concrete, 40mm.:Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 503, back filling the pot holes with hot bituminous material as per clause 504, compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2	7000.00	Sqm	406.02	2842140.00
31	Supply Emulsion RS1 (As per IS 8887)	25.00	M.T.	45108.27	1127706.75
32	Supply Emulsion MS	25.00	M.T.	52686.65	1317166.25
33	Supply Emulsion SS1 (As per IS 8887)	25.00	M.T.	75240.96	1881024.00
34	Providing and laying of a stress absorbing membrane over a cracked road surface, with crack width below 6 mm after cleaning with a mechanical broom, using modified binder complying with clause 521, sprayed at the rate of 9 kg per 10 sqm and spreading 5.6 mm crushed stone aggregates @ 0.11 cum per 10 sqm with hydraulic chip spreader, sweeping the surface for uniform spread of aggregates and surface finished to conform to clause 902.	25.00	Sqm	49.49	1237.25

1	2	3	4	5	6
35	Providing and laying of a stress absorbing membrane over a cracked road surface, with crack width 6 to 9 mm after cleaning with a mechanical broom, using modified binder complying with clause 521, sprayed at the rate of 11 kg per 10 sqm and spreading 11.2 mm crushed stone aggregates @ 0.12 cum per 10 sqm, sweeping the surface for uniform spread of aggregates and surface finished to conform to clause 902.	3500.00	Sqm	57.57	201495.00
36	Providing and laying a single coat of a stress absorbing membrane over a cracked road surface, with crack width above 9 mm and cracked area above 50 per cent after cleaning with a mechanical broom, using modified binder complying with clause 521, sprayed at the rate of 15 kg per 10 sqm and spreading 11.2 mm crushed stone aggregates @ 0.12 cum per 10 sqm, sweeping the surface for uniform spread of aggregates and surface finished to conform to clause 902.	3500.00	Sqm	76.76	268660.00
37	Providing and applying low viscosity bitumen emulsion for sealing cracks less than 3 mm wide or incipient fretting or disintegration in an existing bituminous surfacing.	3500.00	Sqm	47.47	166145.00
38	Providing and laying slurry seal consisting of a mixture of fine aggregates, portland cement filler, bituminous emulsion and water on a road surface including cleaning of surface, mixing of slurry seal in a suitable mobile plant, laying and compacting to provide even riding surface (for 5 mm)	3500.00	Sqm	84.84	296940.00
39	Providing and laying slurry seal consisting of a mixture of fine aggregates, portland cement filler, bituminous emulsion and water on a road surface including cleaning of surface, mixing of slurry seal in a suitable mobile plant, laying and compacting to provide even riding surface (for 3 mm)	3500.00	Sqm	58.58	205030.00

1	2	3	4	5	6
40	Providing and laying slurry seal consisting of a mixture of fine aggregates, portland cement filler, bituminous emulsion and water on a road surface including cleaning of surface, mixing of slurry seal in a suitable mobile plant, laying and compacting to provide even riding surface (for 1.5 mm)	7000.00	Sqm	35.35	247450.00
41	Providing ,Filling & Supplying Sand Bag & Placing at Road side Cut as instruction given by Engineer Incharge.	10000.00	Bag	90.90	909000.00
42	Providing ,Filling & Supplying Earth Bag & Placing at Road side Cut as instruction given by Engineer Incharge.	10000.00	Bag	50.50	505000.00
43	Diversion Ahead Sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 180x60 cms. rectangular as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.1 mtr long stand post (2 Nos.) of Iron Angle 50 x 50 x 5mm / 50NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with bestquality epoxy coatings in black and white bends. The details of symbol for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	50.00	Nos	9867.07	493353.50

1	2	3	4	5	6
44	Men at work (Heavy) sign :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 120cm x 90cm as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 3.6 mtr long stand post (2 Nos.) of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 50x50x5mm; painted with bestquality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	50.00	Nos	9148.16	457408.00
45	Portable Barricade in Construction Zone (Installation of a steel portable barricade with horizontal rail 300 mm wide, 2.5 m in length fitted on a 'A' frame made with 45 x 45 x 5 mm angle iron section, 1.5 m in height, horizontal rail painted (2 coats) with yellow and white stripes, 150 mm in width at an angle of 450, 'A' frame painted with 2 coats of yellow paint, complete as per IRC:SP:55- 2001)	250.00	Nos	2927.99	731997.50
46	Traffic cones with 150 mm reflective sleeve	500.00	Nos	400.00	200000.00

1	2	3	4	5	6
47	<p>Standard Delineator: Providing and fixing Standard Metal Delineator consisting of minimum retro reflective unit exposed area of 330 cm² white color, full cube corner micro prismatic non- metallic retro reflective sheeting on each side conforming with IRC 67-2012 and meeting the coefficient of retro reflection values as per ASTM D 4956 Type XI table specification. The delineator shall be painted with powder coat of minimum 401 microns thickness, on top of which retro reflective sheeting shall be pasted on both sides. The structure shall be manufactured in roll forming process and shall have height not less than 800 mm above the ground, width not less than 100 mm and shall extend not more than 300 mm below the ground while being intalled, height of sheeting should be minimum 150 mm whereas width of sheeting should not be less than 75 mm (should be placed every alternative 15cm), The front and the back faces opf the delineator should be curved with a radius of not more than 200 mm and with delta angle (or central angle of curve) lying between 20 and 30, to increase the visibility of delineator for vehicles moving in continuous curves. The delineator shall have grooves across the length to make the reflective sheets vandal- proof. The delineator is meant for application on gaps in median, traffic islands, dangerous bends, roundabouts,. narrow bridge etc. or as desired by site engineer.</p>	600.00	Nos	1027.17	616302.00

1	2	3	4	5	6
48	Sign board per Square Meter :-Providing and fixing sign boards made out of 2mm aluminium sheet / 4mm ACP (Aluminum composite Panel); size 1 meter x 1meter as per design of IRC-67-2012. Pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint ; reflectorised with High Intensity Prismatic Grade retro reflectivesheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T.Specifications; 4 mtr long stand post (2 Nos.) of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 50x50x5mm; painted with bestquality epoxy coatings in black and white bends. the details of symbol or inscription / numerals for each board shall be as per the instruction of engineer in charge. The fixing at site shall be in 1:2:4 CC blockof size 45 x 45 x 60 Cms. for each leg including excavation, curing etc.complete under the supervision of engineer in charge. A warranty for 7 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test lab for the product offered shall be submitted by contractor. (B) Class-B Type-4 Retro Reflective sheeting	150.00	Nos	7894.02	1184103.00
49	Solar Blinkers (Providing and erecting Solar Blinker mounted on a steel circular hollow pole of standard specifications for for diversion should fulfil road saftey norms of constant output light and 40-50 flashes per minute minimum, even used in, 3 m high fitted with solar Panel and Light and fixed firmly in concrete foundation.)	150.00	Nos	21621.19	3243178.50

1	2	3	4	5	6
50	Providing & laying cold mixed material shall consist of plant ready made pothole patching Bituminous mixture composed of mineral aggregate coated with bituminous material.the material shall be capable of being stocked for at least six month without stripping and shall be workable at all times.unless specified otherwise,this mix shall be supplied in 50kg plastic lined,slurdy bags.this material is intended for patching potholes up to 75mm deep.for deeper potholes, patching mix shall be placed and compacted in 75mm thick layers.details on preparation of potholes,placing and compacting the mix in pot holes are also given to ensure its effective use.The ready made cold patching mix is suitable for patching only and shall not be used for patching long streches of damaged road suraface.	3500.00	50 Kg	2525.00	8837500.00
51	Providing and applying asphalt painting on B.T. surface with mechanical sprayer using bitumen 60/70 (VG-30) at the rate of 5.00 Kg/10 Sq.mt. & spreading stone dust on painting surface at the rate of 0.03 Cu.m./10 Sq.mt. and rolling with smooth wheeled and pneumatic roller and brushing etc. complete.	14000.00	Sqm	35.22	493080.00

1	2	3	4	5	6
52	<p>Road marking with hot applied thermoplastic paints with reflectorising glass beads on bitumin surface providing and laying a hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads @ 250gms per sqm area, thickness of 2.5mm is excluding of surface applied glass beds as per IRC:35-2015. The finished surface to be level, uniform and free from streaks and holes. zebra patta /bump patta lane/center line/ edge line/cut patta. The white color marking should provide liminance coefficinet on cemend road shall be min 130 mcd/m2/lux and Asphalt road shall be min 100 mcd/m2/lux during the service life during the day time. The marking should meet the performance criteria for night time reflectivity, wet reflectivity and skid resistance as mentioned in the section-15 of IRC 35-2015. Warranty for the Retro reflectivity should be two years.</p>	750.00	Sqm	367.72	275790.00
53	<p>Cat Eye / Road Stud / RPM: Supplying Raised Pavement Markers made of polycarbonate and ABS moulded body and reflective panels with Micro prismatic lens (No Glass bead lens) capable of providing total internal reflection of the light entering the lens face and shall support a load of 13635 kgs. tested in accordance to ASTM D 4280 Type H and complying to Specifications of Category A of MORTH Circular No RW/NH/33023/10-97 D DO III Dt 11.06. 1997. The height, width and length shall not exceed 20 mm, 130 mm and 130 mm and with minimum reflective area of 13 Sqcm on each side and the slope to the base shall be 35 +/- 5 degree. The body of the marker should having finger grip for easy and accurate placement and application with epoxy / bituminous Adhesive as recommended by the manufacturer of the marker. The color of the marker should be as per the IRC 35- 2015 and as directed by Engineer-in-charge.</p>	7000.00	Nos	217.40	1521800.00

1	2	3	4	5	6
54	Providing and fixing 'W' type safety barrier using M.S. iron channel 150mm x 75mm x 5mm size erected at 2.0 Mt. center to center and providing 'W' shaped galvanised steel sheet guard rail 3mm thick for crash barrier in single row as per detailed drawing with fabrication and installation charges including providing foundation block of size 0.60 x 0.60 x 0.75 Mt. in C.C. 1:2:4 and oil painting two coats with one coat of red oxide etc complete.	2700.00	Rmt	2706.80	7308360.00
55	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 table 600-1, cement content not to be less than 290 kg/ cum, optimum moisture content to be determined during trial length construction, mixed in a batching plant, transported to site, laid with a fixed form paver or conventional method, compacting with 8-10 tonnes vibratory roller, finishing and curing etc. complete.	735.00	Cum	4020.81	2955295.35
56	Construction of un-reinforced, dowel jointed, plain cement concrete pavement over a prepared sub base with concrete grade M-30, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing	980.00	Cum	6953.85	6814773.00
57	Hire charges for Comprssor	300.00	Per Hrs.	205.42	61627.17

1	2	3	4	5	6
58	Hire charges for Crane	300.00	Per Hrs.	706.14	211842.45
59	Hire charges forVibratory roller 8 - 10 tonnes @ 100 cum per hour	300.00	Per Hrs.	850.79	255238.11
60	Hire charges for Motor grader for grading @ 100 cum per hour	300.00	Per Hrs.	1560.45	468135.00
61	Hire charges forTruck (Considering 1 Truck for 20 days @ Rs.5000 Per Day)	1.00	Per Day	4279.66	4279.66
62	Hire charges for Tractor Trolley (Considering 1 Tractor Trolley for 20 Days (8 Hours per Day Rs.245 per Hour)	8.00	Per Day	1677.63	13421.04
63	Hire charges fort Labour charges - Mazdoor (Male/Female)	25.00	Per Day	510.05	12751.25
64	Supplying mix material prapared by hot mix plant of asphalt patch work using crushed stone aggregate 6mm size at 0.600 cum and asphalt at 4.5 % for mixing by weight of mix materials including cost of asphalt carting of mix materials and spreading the same in required thickness as per site condition by manually as per site condition by manually as directed etc complete.	12.25	M.T.	3663.27	44875.05
65	Supplying and stacking black stone crushed aggragate of size 25 to 40mm size on road site with av. Lead of 20.00 km including spreading etc. complete.	200.00	Cum	841.33	168266.00

1	2	3	4	5	6
66	Supplying of crushed stone aggregates, chippings etc. of hard stone of following nominal size free of disintegrated pieces deleterious and oraganic mater (for Bitumen surface dressing etc.) and grading as per I.R.C. Code.(i) 50mm	200.00	Cum	845.54	169108.34
67	Supplying of crushed stone aggregates, chippings etc. of hard stone of following nominal size free of disintegrated pieces deleterious and oraganic mater (for Bitumen surface dressing etc.) and grading as per I.R.C. Code.(ii) 40mm	200.00	Cum	493.56	98711.34
68	Supplying of crushed stone aggregates, chippings etc. of hard stone of following nominal size free of disintegrated pieces deleterious and oraganic mater (for Bitumen surface dressing etc.) and grading as per I.R.C. Code.(iii) 25mm	200.00	Cum	938.38	187676.18
69	Supplying of crushed stone aggregates, chippings etc. of hard stone of following nominal size free of disintegrated pieces deleterious and oraganic mater (for Bitumen surface dressing etc.) and grading as per I.R.C. Code.(iv) 20mm	200.00	Cum	992.04	198408.44
70	Supplying of crushed stone aggregates, chippings etc. of hard stone of following nominal size free of disintegrated pieces deleterious and oraganic mater (for Bitumen surface dressing etc.) and grading as per I.R.C. Code.(v) 12mm	200.00	Cum	751.49	150298.10
71	Supplying of crushed stone aggregates, chippings etc. of hard stone of following nominal size free of disintegrated pieces deleterious and oraganic mater (for Bitumen surface dressing etc.) and grading as per I.R.C. Code.(vi) 10mm	200.00	Cum	686.83	137366.06

1	2	3	4	5	6
72	Supplying of crushed stone aggregates, chippings etc. of hard stone of following nominal size free of disintegrated pieces deleterious and organic mater (for Bitumen surface dressing etc.) and grading as per I.R.C. Code.(vii) 6mm	200.00	Cum	686.83	137366.04
73	(i) Supplying of murrum / binding materials	200.00	Cum	101.81	20361.60
74	Hire Charge For Hydraulic Excavator 1 cum bucket capacity @ 60 cum per hour	50.00	Sqm	718.98	35948.93
75	Hire Charge For Dozer 80 HP for spreading @ 200 cum per hour	50.00	Sqm	1322.41	66120.66
				Total..Rs.	242764445.31

I/We am/are willing to carry out the work at _____% above/below Percent

(Should be Written in Figures & Words) of the estimated rates mentioned above. Amount of my/our

Tender works out as under.

Estimated Amount Put to Tender

Deduct _____ % below

Net

In Words . _____

Estimated amount put to Tender

Add : _____ % Above

Net

In Words

Deputy Executive Engineer
Medical Campus (R&B) Sub-Division
Jamnagar.

Executive Engineer
Jamnagar (R&B) Division
Jamnagar.

1	2	3	4	5	6
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- 1 The Contractor shall exhibit a board with detailed specification and details of work as per directed by the Engineer-in-Charge for which no extra payment shall be made.
- 2 The labour cess will be deducted as per prevailing rules i.e. 1% of the work done.
- 3 GST and Income Tax TDS will be deducted at a source while making payments of bills
- 4 In all R.C.C. Items in Rate Analysis Standard Cement Consumption has been taken as per Govt. G.R.: PRC-10/2017 Cement Consumption /16/C Date : 11/05/2017 as stated in S.O.R. therefore in R.C.C. items where there is a change as per actual mix design the cost of difference of cement consumption have been deducted from the rate of original item at the rate of input rate mentioned in all the tender.
- 5 Testing of materials shall be as per statement attached for quantity control. with specification, the materials shall be tested in GERI for testing charges shall be paid by Executive Engineer, and of amount put to tender after deduction the cost of materials as per Schedule-'A' shall be recovered from contractor in Running bill as per G.R. of R&B Deptt. No. TNC/1085-4-6, Dt. 20-12-91.
- 6 The Contractor shall be state even "NIL" percent of no reduction as offered.
- 7 One percent of Contract value. for this work shall be recovered from the contract payment as " Labour cess" in terms of the Gujarat Government Gazette extra ordinary Dated 12-12-2004 implementation of building & other construction worker's (Regulation of Employment and condition of service Act, 1996)
- 8 For R.C.C. Item where there is change of grade mix or charge as per actual mix design the difference of cement consumption shall be deducted from rate of original item at the rate of star rate mentioned in the tender.
- 9 Concrete & bitumenous Mix Design carried out by Contractor at his own cost.

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