

Name of Work:- "મુખ્યમંત્રી આદિમજૂથ સંવાગી ઉત્કર્ષ યોજના" વર્ષ ૨૦૨૫-૨૬ Const. of Tarkani Village  
Koldhi Vaas Athni Amba to Naher road Ch 0/0 to 0/400 Ta: Mahuva Dist: Surat.

**:: BILL OF QUANTITY. '::**

Percentage Rate Tender

It. No.	Description of Item (with brief Specification and reference to book of specifications)	Quantity	Unit	Rate In Figures	Amount
1	Clearing and grubbing road land including uprooting trunk vegetation, grass bushes, shrubs, saplings and tree girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials (C) by mechanical means in area of light jungle	0.12	Hect	28455.09	3414.61
2	Earth work in cutting in all sorts of soil and soft murrum including conveying and spreading the stuff embankment as and where directed within 200 meter from the end of cutting with all required lead and lift.	64.80	Cum.	134.63	8724.02
3	Earth work for embankment including breaking clods dressing with all lead & lifts and including watering rolling and consolidation of sub grade in layers of O.M.C. to required dry density including filling in depressions which occure during the process using vibratory roller 80 to 100 KN (E) From borrow area within 3.00 Km Lead	11.91	Cum.	177.91	2118.91
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.	1035.00	Cum.	42.76	44256.60
5	Supplying, Stacking, Spreading & rolling of GSB-II on road side for hard side shoulder of work as per specification including filling the mesure boxes of standard size etc. complete.	96.00	Cum.	891.83	85615.68

6	Providing and laying Granular Sub Base Grade I by providing course graded material conforming to Table 400-2 of MOST specification of grading I, using material combination of crushed aggregate, stone dust etc. as required gradation including spreading, watering & consolidation by vibratory roller in grade and camber as directed.	64.00	Cum.	942.33	60309.12
7	Constructing of granular sub-base Gr-II by providing course graded B.T. machine crushed material satisfying MOST specification of grading II including spreading in uniform layer with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC and compacting with vibratory roller to achieve the desired density etc. complete.	52.80	Cum.	891.83	47088.62
8	Providing and laying spreading and compacting graded stone aggregate to Wet Mix Macadam(WMM) in single layer as per specification and drawing including premixing the Material with water at OMC in mechanical mix plant carriage by tipper to site, laying in uniform layer in sub-base/base course on well prepared surface and compacting with vibrator roller to achieve the desired density as per MORTH fifth revision clause-406.	213.00	Cum.	1033.23	220077.99
9	Providing and Applying Primer coat with Bitumen emulsion (SS-I) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 7.50 kg/ 10sqmt using mechanical means as per Technical Specification Clause 502. (Hincol made only ) (ii) Medium porosity	1295.00	Sqmt	44.74	57938.30

10	Excavation for foundation upto 1.5 m depth including sorting out and stacking of useful materials and disposing off the excavated stuff upto 50 Meter lead.(B) Dense or Hard soil.	12.00	Cum.	260.57	3126.84
11	Providing & filling in foundation with ordinary cement concrete M 100 mix and providing necessary vertical pin headers including formwork vibrating ramming & curing complete.	1.00	Cum.	3325.30	3325.30
12	Supplying fixing & joining reinforced concret heavy duty non pressure pipe with collars for culverts carrying heavy traffic as per IS 458-1991 specification including setting and joining the pipe in cement mortar 1:2 watering or laying of class NP-3 600mm dia.	10.00	rmt	1968.38	19683.80
13	Providing & laying bituminious base course 37.50 mm thick compacted in Single layer asphalt VG-30 grade at 1.99 % by weight of mix for mixing and 4.0 kg/10 smt RS-I grade Asphalt for tack coat & using B.T. chips of required gradation including cleaning and heating asphalt, premix material by drum mix process in proper gradation and laying with paver finisher including rolling and consolidation with 8-10 tonne vibratory roller and providing all material equipment, tools, and plants, fire wood, oil, kerosene labour charges etc. complete using contractor's own machinaries, drum mix plant and paver finisher etc. complete.	107.00	MT	2343.20	250722.40

14	Providing, laying 25mm thick compacted bituminous carpet considering 0.66 cmt./10Smt. Stone chips for one M.ton as per specification, using the asphalt at rate 33.60 Kg/M.ton (i.e. 3.36% by weight of total mix)(VG-30) and asphalt for tack coat at rate 2.5 Kg/ 10sq.mt VG-30. including heating and mixing the asphalt and stone aggregates by continuous batching of drum mix plant and transporting and spreading the same by paver finisher and consolidation with vibratory roller with necessary equipments oil, kerosene, fire wood labour charges etc comp. with contractor's own machineries and equipment tools etc. complete in accordance with the requirement.	75.00	MT	2926.98	219523.50
15	Providing and laying seal coat with B.T. aggregate as specified using aggregate at the rate of 0.18 Cu.mt./10 Sq. mt. and bitumen grade VG-30 for mixing with aggregate at the rate of 4.50 % i.e. 45.00 Kg. / M.T including heating & mixing in hot / drum mix plant & transporting & spreading the same by paver finisher & consolidation with vibratory roller incl. necessary firewood, oil, lubricants, labour charges etc. using contractor's own drum mix plant, machineries & equipment, tools etc. complete in accordance with the requirement of specification.	39.00	MT	3283.51	128056.89
16	Providing and laying asphalt painting on B.T. surface with bitumen VG-30 at rate 5.00 Kg / 10.00 Sq.mt. of bitumen including spreading stone dust for painting surface at rate of 0.03 cu.mt. / 10 sq.mt.	1422.00	Sqmt	32.80	46641.60
17	Providing and fixing ordinary Kilometer stone of precast C.C. 1:2:4 including necessary reinforcement as per I.R.C. type design in C.C. 1:4:8 including letter and paints etc. complete (For N.H., S.H. and M.D.R.)	2.00	Nos.	1293.39	2586.78

18	Providing and fixing Hectometer stone as per I.R.C. type design including lettering and painting etc. complete. (ii) Fixing in C.C. 1:5:10	2.00	Nos.	356.50	713.00
19	Village name/ Bump Ahead sign :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 90 x 60cms. rectangle as as per the design of IRC-67-1977 pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; Letters and numerals should be as per IRC-30-1968, 3.1m long (2 nos) stand post and frame fabricated from suitable size iron angle of 50 x 50 x 5mm painted with best quality 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 block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)	2.00	Nos.	5045.36	10090.72
20	Direction sign (Junction board):-Providing and fixing sing boards made out of 2mm aluminium sheet; size 244 x 122cms. rectangle as as per the design of IRC-67-1977 pre treated with phospheting process & acid etching; coated with one coat of epoxy primer and two coats of best quality epoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; Letters and numerals should be as per IRC-30-1968, 3.1m long (2 nos) stand post and frame fabricated from suitable size iron angle of 50 x 50 x 5mm 75x75x6mm as required; painted with best quality 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 block of size 45 x 45 x 60cms. for each leg. including excavation curing etc. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)	2.00	Nos.	14831.71	29663.42

21	Informatory Signs :-Providing and fixing sing boards made out of 2mm aluminium sheet; size 80 x 60cms. rectangle as per the design of IRC-67-1977 pre treated with phospheting process & acid teching; coated with one coat of epoxyprimer and two coats of best qualityepoxy paint; reflectorised with retro reflective sheeting as per latest M.O.S.T. Specifications; 3.1m long stand postand frame fabricated from suitable sizeiron angle of 35 x 35 x 3mm75x75x6mm as required; painted with best qualityepoxy coatings in black and whitebends. the details of symbol for eachboard shall details of symbol for eachboard shall be as per the instruction ofengineer in charge. The fixing at site shall be in 1:2:4 CC block of size 45 x45 x 60cms. for each leg. including excavation curing tec. complete under the supervision of engineer in charge.(A) Engineer Grade(VR)...	1.00	Nos.	3856.90	3856.90
					1247535.000
					1247535.000

I / Weam / are willing to carryout the work at..... % above/ below percent (Should Be written in figures and words) of the estimated rate mentioned above Amount of my / our tender works out as under.

\*Estimated amount put to tender

Deduct ..... % below Rs.....

Net Rs. ....

In words .....

\*Estimated amount put to tender

Add .....% Above

Total Rs. ....

In words .....

\*( please strike out whichever is not applicable)

- 1 The Contractor shall exhibition board with detailed specification and details of works directed by the Engineer – In – Charge for which no extra payment shall bemade.
- 2 The labourcess 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 the reisa 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.

Signature of the contractor

Deputy Executive Engineer  
Panchayat (R & B ) Sub Division,  
Mahuva