

**NAME OF WORK : - CONSTRUCTION OF CD WORKS AT VARIOUS VILLAGE OF JUNGADH
DISTRICT PAKAGE NO.RPC-2/JND/MMGSYSTRCSCSP/PER USAL/202526/PKG
NO.6,TA.MENDARDA**

BILL OF QUANTITIES
Percentage Rate Tender (Up to INR 50 Cr.)

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
				Rate In figures	
1	2	3	4	5	6
1	Excavation for foundation in sand, gravel, clay soft soils and murrum etc. including shoring, strutting dewatering as necessary and disposing of the excavated stuff as directed. (A) Depth upto 3.0 M. and lead upto 100m for 10 Cum	526.26	Cmt	511.11	268977.01
2	Excavation in large boulders and soft rock by welding including shoring, strutting and dewatering as necessary and disposing of the excavated stuff as directed.	4416.29	Cmt	716.55	3164512.91
3	Excavation in hard rock by dry-wet blasting and chiselling including dewatering preparing foundation base by proper benching and stepping and disposing of the excavated stuff as directed. (A) General blasting	40.12	Cmt	820.83	32931.58
4	Providing and fixing mild steel dowel bars of minimum 32mm dia. for anchoring by drilling holes in foundation strata including necessary bending, hooking of dowel bars and grouting the holes complete as per detailed drawing and as directed.	267.00	Rmt	450.07	120167.65
5	Providing & Casting in situ ordinary cement concrete M100 for RCC Raft and cutoff walls including necessary shuttering, laying,vibrating, ramming and curing complete	32.40	Cmt	3345.58	108396.94
6	Providing and Casting in situ controlled Cement Concrete M-200 for R.C.C. Raft and cutt-off walls including necessary shuttering laying,vibrating, ramming and curing complete.	970.94	Cmt	4620.45	4486176.81

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
				Rate In figures	
1	2	3	4	5	6
7	Providing and casting in situ controlled cement concrete M-200 for R.C.C. return as per drawings including centering shuttering, scaffolding where necessary, laying vibrating, curing and finishing complete. (A)Height from 0.0 to 5.0M. (1)Piers (2)Abutment (3)RCC return.	2190.33	Cmt	5227.36	11449634.67
8	Providing and casting in situ controlled cement concrete M-200 for R.C.C. return as per drawings including centering shuttering, scaffolding where necessary, laying vibrating, curing and finishing complete. (A)Height from 5.0 to 10.0M. (1)Piers (2)Abutment (3)RCC return.	479.91	Cmt	5552.10	2664508.31
9	Providing and casting in-situ Reinforced Cement Concrete M25 grade controlled cement concrete in piercap, abutment cap & dirt wall etc. using 6mm to 20mm machine crushed well graded stone aggregate, sand of approved quality, OPC-53 grade cement with contractor's own concrete mix design as approved by client, etc. complete. The rate is inclusive of all materials, including necessary mixing in fully automatic batch mix plant, transport, curing, vibrating, placing in position, scaffolding, staging, shuttering, formworks, deshuttering carefully, making good the damages,fixing embedment, inserts, pockets, wherever necessary, with all lead and lift with contractor's labour,tools & plants, machineries, as required, with F3 type exposed concrete finish and form mark.	22.15	Cmt	5413.60	119911.24

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
				Rate In figures	
1	2	3	4	5	6
10	Providing and casting in-situ Reinforced Cement Concrete M25 grade controlled cement concrete in Solid Slab using 6 mm to 20 mm machine crushed well graded stone aggregate, sand of approved quality, OPC 53 grade cement with contractor's own concrete mix design as approved by client ,etc.complete as per specification. The rate is inclusive of all materials, including necessary mixing in fully automatic batch mix plant, transport, curing, vibrating, placing in position, scaffolding, staging, shuttering,	671.10	Cmt	5458.04	3662890.64
11	Construction of R.C.C. railing of M 25 grade in cast-in-situ with 20 mm nominal size aggregate, true to line and grade, tolerance of vertical railing post not to exceed 1 in 500, centre-to-centre spacing between vertical posts not to exceed 2000 mm as per drawing and technical specifications Clauses 800, 900 and 1208.3	74.20	Rmt	4418.79	327874.13
12	Providing and casting situ controled cement concrete M-20 For Approach slab including formwork curring and finishing complete.	19.85	Cmt	5158.72	102400.52
13	Providing and casting in-situ Reinforced controlled Cement Concrete M 25 grade for average 100 mm thick Wearing Coat with 20mm down coarse aggregate at any level including shuttering, mixing with batching plant, placing in position, consolidating with mechanical vibrators, curing, deshuttering carefully, making good the damages, fixing embedment, inserts, pockets, wherever necessary as directed for wearing course including all leads and lifts etc. complete as per specification and drawing.	27.83	Cmt	5406.53	150463.73

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
				Rate In figures	
1	2	3	4	5	6
14	Providing and laying in position FE 500D TMT bar reinforcement including cutting, bending, hooking and tying complete as per detailed drawings for the following.(A) Piers (B) Abutments (C) R.C.C. Returns	16.78	MT	73858.69	1239348.89
15	Providing and laying in position FE 500D TMT bar reinforcement including cutting, bending, hooking and tying complete as per detailed drawings for the following.(A) Solid Slab.	15.64	MT	73243.02	1145520.81
16	Providing, fabricating and fixing in position GI Drainage Spout arrangements having 100 mm dia. Pipe B class with necessary bend, fixing to GI chamber, GI grating, providing and applying one coat of primer & two coat of anticorrosive paint, etc. complete as per drawing and as per specifications.	8.00	Nos	536.03	4288.22
17	Providing and fixing in position Mild steel dowel bars in pier caps or abutment caps for anchorage in fixed end as per detailed drawings including cutting, bending and welding complete.	114.40	Nos	350.61	40109.78
18	Providing and fixing in position Mild steel dowel bars in pier caps or abutments caps for anchorage in free end as per detailed drawing including cutting, bending and welding complete.	111.20	Nos	399.70	44446.35
19	Providing Weep holes in RCC abutment,Return wall and retaining wall with 100 mm dia PVC pipe and non-corrodible grating and geotextile, extending through the full width of the structure with slope of 1V:20H etc. complete as per drawing and technical specification.	1160.49	Each	247.85	287627.45
20	Providing and laying filter media 600mm thick as directed at the back of abutments, returns and retaining wall as per detailed specifications.	1346.06	Sqm	1239.35	1668240.54

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
				Rate In figures	
1	2	3	4	5	6
21	Providing Asphalt filler joint with required holes and holding arrangement & with necessary asphalt pad sealing as directed by engineer in charge.	20.50	Sqm	703.53	14422.27
22	Providing flood gauge marks on substructure as per design including painting complete.	37.78	Rmt	159.37	6021.00
23	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 Sandy Material	198.45	Cmt.	562.08	111543.80
24	Dismantling the existing structure including removing and stacking the dismantled materials as and where directed. (A) R.C.C. work	96.34	Cmt.	930.35	89630.05
25	Dismantling the existing structure including removing and stacking the dismantled materials as and where directed. (B) Rubble Masonary	77.67	Cmt.	409.22	31784.25
26	Earth work for embankment including breaking clods, dressing with all lead and lift including watering, rolling and consolidation of sub grade in layers at O.M.C to required dry density including filling the depression which occur during the process using vibratory roller 8 to 10 Tonne (c) From Borrow area with in 3.0 KM Lead	8986.73	Cu.m.	177.91	1598842.61
27	Granular Sub Base with Black trap crushed stone well graded material (Table 400.1) By Mix in place Method Construction of Granuler Sub Base by providing black trap crushed stone well graded material, spreading in unifrom layers with motor grader on prepared surface, mixing by mix in place method with rotovator at OMC , and compacting with vibartory roller to achive the desired density complete as per technical specification clause 401. For Grading I Material	63.00	Cum	1255.43	79092.09

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
				Rate In figures	
1	2	3	4	5	6
28	Providing and filling in foundation with ordinary cement concrete M-150 mix and providing necessary vertical pin headers including formwork, vibrating, ramming and curing complete.	104.08	Cum	3715.63	386722.77
29	Construction of concrete road using tremix system with 15cm thick CC M 300 Concrete mixing conplast P-211 water reduction admixture @ 100 ml/bag of cement and harder 62.50ml/bag using fixing and removing 'C' Channels of required road depth leveling if placed concrete with surface vibrator, finishing the surface with power floter and towel tight brooming as directed with providing expansion joints 20 x 200mm and construction joint 20 x 20 mm using concrete cutter machine etc. complete.	126.00	Cum	6588.23	830116.98
30	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 beads 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 luminance coefficient on cement road shall be min 130 mcd/m ² /lux and Asphalt road shall be min 100 mcd/m ² /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 reflectivity shall be for two years.	58.50	Sqm.	367.72	21511.62

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
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1	2	3	4	5	6
31	Cat Eye/ Road Stud/ RPM:- Supplying Raised Pavement Markers made of polycarbonate and ABS moulded body and reflective panels with Micro compressed molding 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 - 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.	22.00	Nos	217.40	4782.80

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
				Rate In figures	
1	2	3	4	5	6
32	Regulatory / Mandatory Sign :-Providing and fixing sign boards made out of 2mm aluminum sheet / 4mm ACP (Aluminum composite Panel); size 60 cms. Dia Circle 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 reflective sheeting of Type-4 as per ASTM D-4956 and latest M.O.S.T. Specifications; 3.6mtr long stand post of Iron Angle 75 x 75 x 6mm / 65NB Circular MS Pipe as required and frame fabricated from suitable size iron angle of 35 x 35 x 3mm; painted with best quality 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 block of 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	2.00	No.	3540.12	7080.24
33	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.	5.00	Rmt	1919.00	9595.00

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
				Rate In figures	
1	2	3	4	5	6
34	Providing and laying 22.5 cms thick dry stone pitching including preparing the surface with 15 cms thick murrum bedding and including watering and providing 30 cms x 30cms pannel in cement concrete 1:3:6 at 3.0 meter center to center vertically & Horizontally and filling the voids of rubble with quarry spalls and murrum including ramming and watering with flush pointing on dry stone pitching and uncoursed stone masonry with C.M. 1:3 (1 Cement:3 Sand) etc. complete.(Including Supplying and Spreading Murram)	109.00	Sqm	920.72	100358.48
35	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 (C) By mechanical means in area of light jungle	0.62	Hectare	28455.09	17642.16
36	Providing and Casting in situ controlled Cement Concrete M-250 for R.C.C. Raft and cutt-off walls including necessary shuttering laying, vibrating, ramming and curing complete.	23.70	Cum	4726.17	112010.23
37	Providing and casting in situ controlled cement concrete M-250 for R.C.C. return as per drawings including centering shuttering, scaffolding where necessary, laying vibrating, curing and finishing complete.(A) Height from 0.0 to 5.0 M. (1) Piers (2) Abutment (3) RCC return	23.86	Cum	5333.08	127247.29
38	Providing and casting in-situ ordinary cement concrete M-250 for approach slab including formwork curing and finishing complete	16.67	Cum	5264.44	87758.21
39	Providing PVC 100 mm diameter water spouts including necessary iron grating as per drawings.	8.00	No.	159.37	1274.96

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
				Rate In figures	
1	2	3	4	5	6
40	Providing and laying rubble for apron (each stone weighting not less than 40Kg.) including and packing and filing in the interestices with quarry-spalls.	27.67	Cum	1083.81	29989.02
41	Providing & casting in situ ordinary cement concrete M-150 mix and providing necessary pin headers including shuttering, scaffolding, laying, vibrating, curing and finishing complete with V-Groves.(A) Height from 0.0 M. to 5.0 M.	86.54	Cu.m.	3996.78	345881.52
42	Construction of granular sub-base 150 mm thick by providing machine crushed B.T. material satisfying MORT&H specification (Fifth revision) of grading III 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.	101.00	Cum	732.25	73957.25
43	Water Bound Macadam Grading-II (By Manual Means) Providing, laying, spreading and compacting stone aggregates of 63 to 45mm sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill up the interstices of coarse aggregate, watering and compacting to the required density.	35.00	Cum	1657.41	58009.35
44	Providing and applying priming coat with emulsion SS1 grade at the rate of 7.50 kg/ 10 Sq.mt. including cost of asphalt and preparing the surface heating, and applying etc. complete.	165.00	Sqm	58.77	9697.05

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
				Rate In figures	
1	2	3	4	5	6
45	Providing & Laying 20mm thick mix seal surfacing using stone chipping and aggregate as per MORT&H specification and asphalt grade VG-30 for mixing at the rate of 4.5% of total mix including heating the asphalt and asphalt by drum mixing plant and including using asphalt grade VG-30 for tack coat at the rate of 2.5kg/10sq.mt. spreading with vibratory roller including providing all materials equipments tools and plants oil, kerosene, firewood , labour charges etc. complete	7.00	Mt	3014.85	21103.95
46	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 phosphating 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 reflective sheeting 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 best quality epoxy coatings in black and white bands. 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 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	2.00	No	9148.15	18296.30

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
				Rate In figures	
1	2	3	4	5	6
47	<p>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</p>	2.00	No	9867.07	19734.14

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				Rate In figures	
1	2	3	4	5	6
48	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 of slops of I.S. 458 / 1971 Class NP3 casted by vertically vibrated technology of following internal diameter. (v) 900 mm dia.	37.50	Rmt	3271.56	122683.50
49	Demolition of Brick work and stone masonry including stacking of serviceable materilas and disposal of unserviceable materials with all lead and lift.(ii) In Cement Mortar.	2259.40	Cum	562.89	1271800.90
50	Providing and laying cement concrete (M10) 1:3:6 (1- Cement : 3-Coarse sand : 6- Graded brick bat aggregate 40mm normalsize) and curing complete excluding cost of formwork in (A) Foundation and Plinth	249.81	Cum	3070.94	767150.35
51	Providing and laying cement concrete (M15) 1:2:4 (1- Cement : 2- Coarse sand : 4- graded stone aggregates 20 mm nominal size) and curing complete excluding cost of formwork for retaining earth.	525.00	Cum	3805.29	1997775.20
52	Providing and placing in position CRS FE 550D TMT bar reinforcement for following items including cutting bending hooking and tying complete as per detailed drawing.For well :- curb, staining, cap and RCC Raft.	3.90	MT	77393.69	301835.41
53	Providing and laying in position CRS FE 550D TMT bar reinforcement including cutting, bending, hooking and tying complete as per detailed drawings for the following.(A) Piers (B) Abutments (C) R.C.C. Returns	49.45	MT	77393.69	3827118.18
54	Providing and laying in position CRS FE 550D TMT bar reinforcement including cutting, bending, hooking and tying complete as per detailed for the following. (A) Abutment cap & Dirt wall. (B) Pier Cap.	0.55	MT	77393.69	42566.53

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
				Rate In figures	
1	2	3	4	5	6
55	Providing and placing in position CRS FE 550D TMT bar reinforcement including cutting, bending, hooking, and tying complete as per detailed drawing.(A) Solid Slab.	50.49	MT	76778.02	3876522.15
56	Providing and casting in situ controlled cement concrete M-20 for R.C.C. work in pier cap,abutment cap and dirt wall including controlled cement concrete M-250 bed blocks or pedestals of required size below bearings as per detailed drawings, centering, shuttering, scaffolding, wherever necessary, laying vibrating, curing and finishing complete.	247.91	Cum	5307.46	1315772.19
57	Providing Pre-moulded asphalt filler joints as per drawings	161.50	Rmt	611.13	98697.62
58	Back filling behind Abutment, wing wall and return wall with selected granular material of approved quality including all the materials, compacting, labour, equipment charges, etc all complete as per drawing and Technical Specification Section 300 (Percentage of fine content maximum 15%, Backfill soil phi 30°, Density 20 kN/m3, Field compaction 95±2% modified proctor density.	4018.19	Cum	562.08	2258524.55
59	Providing parapet of ordinary cement concrete M-200 as per detailed drawings with necessary reinforcement including, shuttering, laying vibrating and finishing to line and level complete.(ii) Cast in situ.	344.00	Rmt	1086.63	373800.27
60	Providing and casting in situ controlled cement concrete M-25 for average 75 mm thick wearing coat laid as directed including tamping, vibrating, finishing, curing and filling in joints with bitumen complete.	63.56	Cum	5406.29	343623.64
61	Providing and fixing G.I. Rain water spout of 50mm dia. And 30cm. length.	46.00	No.	101.91	4687.81
62	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 1000 metres, stacking serviceable and unserviceable materials separately				

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
				Rate In figures	
1	2	3	4	5	6
(I)	Dismantaling of Bituminous Layer	138.58	cum	256.75	35580.42
(II)	Dismantaling of Granular Layer	919.43	cum	357.25	328466.37
63	Construction of sub-grade and earthen shoulders using quarry spall with all lead and lift and including watering and rolling and consolidation of sub grade in layers at OMC to required dry density including filling the depressions which occur during the process using power roller 8T to 10 T	684.44	cum	200.87	137483.46
64	Construction of granular Sub base with Coarse Graded Material (Grade II) (Table:- 400- 2) of 200 mm by providing coarse graded material Metal Crushed using size 53mm to 26.5 mm@ 27.5%, 26.5 mm to 9.5 mm @ 22.5%, 9.5mm to 4.75mm @12.50% and 4.75mm below @ 37.5% spreading in uniform layers with including and mixing the material obtained from cutting BT road by milling machine using 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 complete as per Clause 401.2 Table 400.1	206.83	cum	1131.07	233938.57
65	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with vibratory roller 8-10 tonnes in stages to proper grade and camber, applying and brooming requisite type of screening/ binding Materials to fill up the interstices of coarse aggregate, watering and compacting to the required density.- Grading 1, Using Screening Crushable type such as Moorum or Gravel.	567.19	cum	1251.32	709737.55
66	Providing and laying plain cement concrete in levelling course complete as per drawings and technical specifications as per sections 1500, 1700 and 2100 of MORTH. (M-15)	566.98	cum	3798.46	2153650.85

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
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1	2	3	4	5	6
67	Construction of un-reinforced, dowel jointed, plain cement concrete pavement (M25) over a prepared sub base with 53 grade cement @ 400 kg per cum, coarse and fine aggregate conforming to IS 383, maximum size of coarse aggregate not exceeding 25 mm, transported to site, 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.	259.86	cum	5406.29	1404878.52
68	Providing and fixing sign boards made out of 2.0 mm aluminium sheet / 4 mm ACP (Aluminum composite Panel); size 90x30 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 Micro Prismatic Grade retro reflectivesheeting of Type-11 as per ASTM D-4956 and latest M.O.S.T.Specifications; 1.8mtr long stand post of 75 x 75 x 6mm / 65NB 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 foreach board shall be as per theinstruction 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 10 years for the Retro reflective sheeting from original manufacturer & a certified copy of 3 year outdoor exposure test report from third party test	8.00	each	3666.30	29330.40

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1	2	3	4	5	6
69	Supplying and fixing reinforced concrete heavy duty non-pressure pipes with collars for culverts carrying heavy traffic as per IS 458-1991 specifications including setting the pipes in C.M. 1:2 watering and laying (to level or slopes) of class NP3 of following internal daimeters.(vii) 1200mm dia.	172.50	Rmt	5560.01	959101.73
70	Providing and laying plain cement concrete grade M-15 PCC wall for protection i.e. to prevent the soil from sliding down, with graded machine mixed stone aggregate from 6 mm to 40 mm including tamping, vibrating, leveling and curing complete with all formwork, dewatering wherever required including all materials, labours, plants, machineries & tools, all leads and lifts, etc. complete as per specification.	1020.00	Cum	3798.46	3874429.20
71	Providing and placing in position FE 500D TMT bar reinforcement for following items including cutting bending hooking and tying complete as per detailed drawing.For well :- curb, staining, cap and RCC Raft.	0.55	MT	73858.69	40622.28

Item No.	Description of Item	Quantity	Unit	Estimated Rates	Amount
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1	2	3	4	5	6
72	Providing and laying in position FE 500D TMT bar reinforcement including cutting, bending, hooking and tying complete as per detailed for the following. (A) Abutment cap & Dirt wall. (B) Pier Cap.	0.11	MT	73858.69	8124.46
					61820435.68

Deputy Executive Engineer
Panchayat R & B Sub Division - 2
Keshod

Executive Engineer
Panchayat R & B Division
Junagadh

I/We am/are willing to carry out the work at% above/below (percent should be written in figures and words) of the estimated rates mentioned above. Amount of my/our tender works out as under.

***Estimated amount**

Put to tender **Rs.61820435.68**
Deduct % below **Rs.....**
Net **Rs.**
In words

***Estimated amount**

Put to tender **Rs. 61820435.68**
Add % Above **Rs.....**
Total **Rs.**
In words

***(please strike out whichever is not applicable)**

Notes : -

- 1 The Contractor shall exhibition board with detailed specification and details of work as directed by the Engineer – In – Charge for which no extra payment shall be made.
- 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.

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.

- 5 All Credit amount of 1259804.32/- (Rupees) shall be recovered from the running bill in which dismantle & Diversion item recorde for payment

Signature of Bidder