कराड नगरपरिषद कराड

दि.१४/०५/२०२६

कराड नगरपरिषदेने जिल्हा वार्षिक योजना अंतर्गत विकास कामे हाती घेतलेले आहे. सदरील कामाची जाहीर ई निविदा सूचना क्र.९ जा.क्र.२०७० दि. १२/०५/२०२६ ने काढण्यात आली आहे. सदरील निविदेमधील कामंची अंदाजपत्रके सोबत जोडत आहोत.

P. Chate

मुख्याधिकारी गट-अ
कराड नगरपरिषद कराड

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GOVERNMENT OF MAHARASHTRA

KARAD NAGARPARISHAD, KARAD

ESTIMATE

*** NAME OF WORK ***

CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT VADAR VASTI HINDVI CHOWK SHRI DIPAK MANE HOME TO SHRI DASHRATH PAWAR HOME AND SHRI NAVNATH VAGH HOME TO SHRI SHASHIKANT JADHAV HOME ,KARAD

ESTIMATE COST :- 35.30 35.40 LAKHS

ADOPTED SSR OF 2022-23

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NAME OF WORK:- CONSTRUCTION OF [redacted] CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT VADAR VASTI HINDVI CHOWK SHRI DIPAK MANE HOME TO SHRI DASHRATH PAWAR HOME AND SHRI NAVNATH VAGH HOME TO SHRI SHASHIKANT JADHAV HOME ,KARAD

GENERAL ABSTRACT

(A)	**COST OF WORK PORTION**	Rs.	2728826.00
(B)	**COST OF ROYALTY & Q.C.TESTING CHARGES**	Rs.	87047.00
	TOTAL (A+B)	Rs.	2815873.00
	1) ADD 18% FOR GOODS AND SERVICES TAX ON [A]	Rs.	491189.00
	2) ADD 1% FOR LABOUR INSURANCE ON [A]	Rs.	27288.00
	3) ADD 1.18% FOR TECHANICAL SANCTION FEE ON [A]	Rs.	32200.00
	4) ADD 2.18% FOR PMC CHARGES ON [A]	Rs.	59488.00
	5) ADD 1.18% FOR THIRD PARTY INSPECTION CHARGES	Rs.	32200.00
	6) ADD 3% FOR CONTENGENCY ON [A]	Rs.	81865.00
	GRAND TOTAL	Rs.	3540103.00

MAPS CIVIL CONSULTANCY LLP KARAD

MAP Consultancy Services,
Consultant Engineer

Deputy Engineer,
Karad Municipal Council

Municipal Engineer,
Karad Municipal Council

Chief Officer,
Karad Municipal Council

Technically Sanctioned to Rs. 3529591.00
(Rs. Thirty five lakh twenty nine thousand five hundred ninty one) only
Form No.65, Item No. 38
Month- Oct Year- 2025

( )
Executive Engineer,
Maharashtra Jeevan Pradhikaran,
Division, Karad

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT VADAR VASTI HINDVI CHOWK SHRI DIPAK MANE HOME TO SHRI DASHRATH PAWAR HOME AND SHRI NAVNATH VAGH HOME TO SHRI SHASHIKANT JADHAV HOME ,KARAD

ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
	[A] WORK PORTION.				
1	Excavation for **roadway in hard murum including dressing section** to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed MORTH 301 **SSR OF 2022-23 ITEM NO. 2.13 & PAGE NO.26 BASIC RATE**	288.900	145.88 Cu.M.		42145.00
2	Conveying **materials obtained from road cutting including all lifts, laying in layers of 20cm to 30cm. breaking clods,** dressing to the required lines, curves, grades and section, watering and compacting to not less than 97% of standard Proctor density for a lead of over 50m. to 300m. inclusive from the site of excavation to the site of deposition as directed. MORTH 305 **SSR OF 2022-23 ITEM NO. 2.25 & PAGE NO.27 BASIC RATE**	336.022	204.65 Cu.M.		68767.00
3	Providing **soling using 80 mm size trap metal in 15 cm.** layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. As directed by Engineer in charge. **SSR OF 2022-23 ITEM NO. 21.4 & PAGE NO.194 RATE ANALYSIS**	112.350	2072.49 Cu.M.		232844.00
4	Providing and laying Cast in **situ/Ready Mix cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, **with fully automatic micro processor based PLC with SCADA** enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. **With fine aggregate (Crushed sand VSI Grade)** Bd. E. 1 Page No. 287 **SSR OF 2022-23 ITEM NO. 24.01 & PAGE NO.215 RATE ANALYSIS**	80.250	6568.47 Cu.M.		527120.00
5	Providing and laying in situ **cement concrete M - 30 with tremix treatment for 200 mm thickness for Concrete Road** is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and 20 mm deep with necessary refilling with bitumen (**excluding reinforcement**) with coarse and fine aggregate (natural sand/ VSI grade finely washed crushed MORTH 602 **SSR OF 2022-23 ITEM NO. 5.22(a) & PAGE NO.52 RATE ANALYSIS**	128.400	9419.44 9420.49 Cu.M.		1209591.00 1209456.00

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ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
6	Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in **cement mortar 1:6 in plinth** as backing in composite masonry including bailing out water manually, striking joints, raking out joints and watering etc Complete Bd.G.3 Page No. 314 **SSR OF 2022-23 ITEM NO. 27.03 & PAGE NO.242 RATE ANALYSIS**	1.987	8275.17 Cu.M.		16443.00
7	Providing internal **cement plaster 20mm thick in single coats** in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete Bd.L.4 Page No. 368 **SSR OF 2022-23 ITEM NO. 32.06 & PAGE NO.256 RATE ANALYSIS**	8.640	404.35 Sq.M.		3494.00
8	Providing, laying and fixing **P.V.C. pipe of 15mm dia. with fittings such as bends, tees, reducers, clamps,** etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. As directed by Engineer in charge. **SSR OF 2022-23 ITEM NO. 42.21 & PAGE NO.344 BASIC RATE**	40.000	86.06 Rg.M.		3442.00
9	Providing and laying **concrete pipes of I.S.NP. class of 150mm diameter** in proper line, level and slope including necessary collars, excavation, laying, fixing with collars in cement mortar 1:1 and refilling the trench complete. Bd.V.41, Page No. 573 **SSR OF 2022-23 ITEM NO. 42.07 & PAGE NO.342 BASIC RATE**	40.000	556.24 Rg.M.		22250.00
10	Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc.complete.(Bd-A-2/259) Lift 0 to1.5M Bd.A.1 Page No. 259 **MJP SSR OF 2023-24 SECTION-E-2 & PAGE NO.37 BASIC RATE**	152.475	196.26 Cu.M.		29925.00
11	Providing and laying concrete pipes of I.S.NP. Class of 300mm diameter in proper line,level and slope including necessary collars, excavation, laying, fixingwith collars in cement mortar 1:1 and refilling the trench complete. CD.7 Page.No. 162 **SSR OF 2022-23 ITEM NO. 42.09 & PAGE NO.274 RATE ANALYSIS**	214.000	822.90 Rg.M.		176101.00
12	Refilling the trenches with available excavated stuff with soft material firs over pipe line and then hard material in15cm layers with all leads and lifts including				

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ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
	MJP SSR OF 2023-24 SECTION-E-15 & PAGE NO.40 **RATE ANALYSIS**	33.128	96.55	Sq.M.	3199.00
13	Supplying **hard murum/ kankar** at the road site, including conveying and stacking complete. MORTH 408 **SSR OF 2022-23 ITEM NO. 2.29 (a) & PAGE NO.28** **RATE ANALYSIS**	48.150	708.75	Cu.M.	34126.00
14	Spreading **hard murum/ soft murrum/ gravel or kankar** for side width complete MORTH 408 **SSR OF 2022-23 ITEM NO. 2.3 & PAGE NO.28** **BASIC RATE**	48.150	82.91	Cu.M.	3992.00
15	Compacting the **hard murum side widths** including laying in layers on each side **with power roller** including artificial watering etc. complete. MORTH 408 **SSR OF 2022-23 ITEM NO. 2.31 & PAGE NO.28** **BASIC RATE**	160.500	22.04	Sq.M.	3537.00
16	Providing and **constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W.pipes, Brick Masonry, plastering from inside and C.I. lid cover 75 kg with frame fixed in cement concrete. Bd.V.43 Page No. 574 **SSR OF 2022-23 ITEM NO. 42.11 & PAGE NO.343** **BASIC RATE**	22.000	15291.22 15517.91	No.	341394.00 336407.00
17	Providing and fixing **board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period** etc., having rectangular shape of **1.20m x 0.90m size made out 18 gauge (1.25mm) thick** mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. MORTH 801 & As directed by Engineer in Charge **SSR OF 2022-23 ITEM NO. 6.36 & PAGE NO.71** **BASIC RATE**	1.000	10456.17	No.	10456.00
				TOTAL(A) Rs.	**2728826.00** 2723704.00

[B] Royalty Charges & Testing Charges.

E DSR ITEM NO. ... & PAGE NO....

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ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
	ROYALTY CHARGES FOR SAND	0.000	0.00		0.00
	ROYALTY CHARGES FOR OTHER MINERALS	160.500	216.18		34697.00
	BASIC TEST OF AGGREGATE				
	Sieve Analysis	2.000	690.00	Nos.	1380.00
	Water Absorption, Specific Gravity, Impact Value, Crushing Value	4.000	2600.00	Nos.	10400.00
	Flakiness Index/ Elongation Index	2.000	850.00	Nos.	1700.00
	CONCRETE				
	Compressive strength of C.C.Cube (Set of 3 cubes)	10.000	690.00	Nos.	6900.00
	Concrete Mix Design (With all Tests on basic materials)	2.000	13755.00	Nos.	27510.00
	FINE AGGREGATES				
	Fineness Modulus (Sieve Analysis), Silt & Clay Content	2.000	1380.00	Nos.	2760.00
	Silt Factor	2.000	850.00	Nos.	1700.00
			TOTAL(B) Rs.		**87047.00**
			TOTAL(A+B) Rs.		**2815873.00**

2510751.00

NAME OF WORK
LAYING RCC
MANE HO
SHRI S

MAP Consultancy Services,
Consultant Engineer

Deputy Engineer,
Karad Municipal Council

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MOUNT
0.00
34697.00

NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT VADAR VASTI HINDVI CHOWK SHRI DIPAK MANE HOME TO SHRI DASHRATH PAWAR HOME AND SHRI NAVNATH VAGH HOME TO SHRI SHASHIKANT JADHAV HOME ,KARAD

MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
1	Excavation for **roadway in hard murum including dressing section** to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed.					
	SSR OF 2022-23 ITEM NO. 2.13 & PAGE NO.26					
	dipak mane home to dashrath pawar home	1	X 51.00 X	6.00 X	0.450 =	137.700
	navnath vagh home to shahikant jadhav home	1	X 56.00 X	6.00 X	0.450 =	151.200
	TOTAL QUANTITY					**288.900** Cu.M.
2	Conveying **materials obtained from road cutting including all lifts, laying in layers of 20cm to 30cm. breaking clods,** dressing to the required lines, curves, grades and section, watering and compacting to not less than 97% of standard Proctor density for a lead of over 50m. to 300m. inclusive from the site of excavation to the site of deposition as directed.					
	SSR OF 2022-23 ITEM NO. 2.25 & PAGE NO.27					
	dipak mane home to dashrath pawar home	1	X 51.00 X	6.00 X	0.450 =	137.700
	navnath vagh home to shahikant jadhav home	1	X 56.00 X	6.00 X	0.450 =	151.200
	for rcc pipe gutter	2	X 51.00 X	0.75 X	0.950 =	72.675
	for rcc pipe gutter	2	X 56.00 X	0.75 X	0.950 =	79.800
	deduct road excavation	-2	X 51.00 X	0.75 X	0.450 =	-34.425
	deduct road excavation	-2	X 56.00 X	0.75 X	0.450 =	-37.800
	deduct refilling Qnty As per Item no.12	1	X -33.13		=	-33.128
	TOTAL QUANTITY					**336.022** Cu.M.
3	Providing **soling using 80 mm size trap metal in 15 cm.** layer including filling voids with Crushed sand/grit, ramming, watering etc. complete					
	SSR OF 2022-23 ITEM NO. 21.4 & PAGE NO.194					
	dipak mane home to dashrath pawar home	1	X 51.00 X	6.00 X	0.150 =	45.900
	navnath vagh home to shahikant jadhav home	1	X 56.00 X	6.00 X	0.150 =	50.400
	for rcc pipe gutter	2	X 51.00 X	0.75 X	0.100 =	7.650
	for rcc pipe gutter	2	X 56.00 X	0.75 X	0.100 =	8.400
	TOTAL QUANTITY					**112.350** Cu.M.

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MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
4	Providing and laying Cast in **situ/Ready Mix cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, **with fully automatic micro processor based PLC with SCADA** enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. **With fine aggregate (Crushed sand VSI Grade)**					
	SSR OF 2022-23 ITEM NO. 24.01 & PAGE NO.215					
	dipak mane home to dashrath pawar home	1 X	51.00 X	6.00 X	0.100 =	30.600
	navnath vagh home to shahikant jadhav home	1 X	56.00 X	6.00 X	0.100 =	33.600
	for rcc pipe gutter	2 X	51.00 X	0.75 X	0.100 =	7.650
	for rcc pipe gutter	2 X	56.00 X	0.75 X	0.100 =	8.400
	TOTAL QUANTITY					**80.250** Cu.M.
5	Providing and laying in situ **cement concrete M -30 with tremix treatment for 200 mm thickness for Concrete Road** is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and 20 mm deep with necessary refilling with bitumen (**excluding reinforcement**) with coarse and fine aggregate (natural sand/ VSI grade finely washed crushed sand) etc. complete					
	SSR OF 2022-23 ITEM NO. 5.22(a) & PAGE NO.52					
	dipak mane home to dashrath pawar home	1 X	51.00 X	6.00 X	0.200 =	61.200
	navnath vagh home to shahikant jadhav home	1 X	56.00 X	6.00 X	0.200 =	67.200
	TOTAL QUANTITY					**128.400** Cu.M.
6	Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in **cement mortar 1:6 in plinth** as backing in composite masonry including bailing out water manually, striking joints, raking out joints and watering etc Complete.					
	SSR OF 2022-23 ITEM NO. 27.03 & PAGE NO.242					
	reparing chember	8 X	4 X	0.60 X	0.23 X	0.450 = 1.987
	TOTAL QUANTITY					**1.987** Cu.M.
7	Providing internal **cement plaster 20mm thick in single coats** in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete					
	SSR OF 2022-23 ITEM NO. 32.06 & PAGE NO.256					
	reparing chember	8 X	4 X	0.60	X	0.450 = 8.640

SR. NO.

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QUANTITY

MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
			TOTAL QUANTITY			8.640 Sq.M.
8	Providing, laying and fixing **P.V.C. pipe of 15mm dia. with fittings such as bends, tees, reducers, clamps,** etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.					
	SSR OF 2022-23 ITEM NO. 42.21 & PAGE NO.344					
	reparing pipe line	2	X 20.00		=	40.000
			TOTAL QUANTITY			**40.000** Rg.M.
9	Providing and laying **concrete pipes of I.S.NP. class of 150mm diameter** in proper line, level and slope including necessary collars, excavation, laying, fixing with collars in cement mortar 1:1 and refilling the trench complete					
	SSR OF 2022-23 ITEM NO. 42.07 & PAGE NO.342					
	reparing drainage line	2	X 20.00		=	40.000
			TOTAL QUANTITY			**40.000** Rg.M.
10	Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc.complete.(Bd-A-2/259) Lift 0 to1.5M					
	MJP SSR OF 2023-24 SECTION-E-2 & PAGE NO.37					
	for rcc pipe gutter	2	X 51.00 X	0.75 X	0.950 =	72.675
	for rcc pipe gutter	2	X 56.00 X	0.75 X	0.950 =	79.800
			TOTAL QUANTITY			**152.475** Cu.M.
11	Providing and laying concrete pipes of I.S.NP. Class of 300mm diameter in proper line,level and slope including necessary collars, excavation, laying, fixingwith collars in cement mortar 1:1 and refilling the trench complete					
	SSR OF 2022-23 ITEM NO. 42.09 & PAGE NO.274					
	for rcc pipe gutter	2	X 51.00		=	102.000
	for rcc pipe gutter	2	X 56.00		=	112.000
			TOTAL QUANTITY			**214.000** Rg.M.

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MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
12	Refilling the trenches with available excavated stuff with soft material firs over pipe line and then hard material in15cm layers with all leads and lifts including					
	MJP SSR OF 2023-24 SECTION-E-15 & PAGE NO.40					
	reffling	2 X	51.00 X	0.75 X	0.300 =	22.950
	deduct pipe area	-2 X 0.78 X	51.00 X	0.30 X	0.300 =	-7.160
	reffling	2 X	56.00 X	0.75 X	0.300 =	25.200
	deduct pipe area	-2 X 0.78 X	56.00 X	0.30 X	0.300 =	-7.862
	TOTAL QUANTITY					**33.128**
						Sq.M.
13	Supplying **hard murum/ kankar** at the road site, including conveying and stacking complete.					
	SSR OF 2022-23 ITEM NO. 2.29 (a) & PAGE NO.28					
	for rcc pipe gutter	2 X	51.00 X	0.75 X	0.300 =	22.950
	for rcc pipe gutter	2 X	56.00 X	0.75 X	0.300 =	25.200
	TOTAL QUANTITY					**48.150**
						Cu.M.
14	Spreading **hard murum/ soft murrum/ gravel or kankar** for side width complete					
	SSR OF 2022-23 ITEM NO. 2.3 & PAGE NO.28					
	for rcc pipe gutter	2 X	51.00 X	0.75 X	0.300 =	22.950
	for rcc pipe gutter	2 X	56.00 X	0.75 X	0.300 =	25.200
	TOTAL QUANTITY					**48.150**
						Cu.M.
15	Compacting the **hard murum side widths** including laying in layers on each side **with power roller** including artificial watering etc. complete					
	SSR OF 2022-23 ITEM NO. 2.31 & PAGE NO.28					
	for rcc pipe gutter	2 X	51.00 X	0.75	=	76.500
	for rcc pipe gutter	2 X	56.00 X	0.75	=	84.000
	TOTAL QUANTITY					**160.500**
						Sq.M.
16	Providing and **constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W.pipes, Brick Masonry, plastering from inside and C.I. lid cover 75 kg with frame fixed in cement concrete.					
	SSR OF 2022-23 ITEM NO. 42.11 & PAGE NO.343					
		2 X	5.00		=	10.000
		2 X	6.00		=	12.000
	TOTAL QUANTITY					**22.000**
						No.

SR. NO. 17

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MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
17	Providing and fixing **board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period** etc., having rectangular shape of **1.20m x 0.90m size made out 18 gauge (1.25mm) thick** mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete.					
	SSR OF 2022-23 ITEM NO. 6.36 & PAGE NO.71	1			=	1.000
	TOTAL QUANTITY					**1.000**
						No.
	E DSR ITEM NO. ... & PAGE NO....					
	ROYALTY QTY. FOR SAND				=	0.000
	ROYALTY QTY. FOR OTHER MIN.				=	160.500
	TOTAL QUANTITY					**160.500**
	BASIC TEST OF AGGREGATE					
	Sieve Analysis	2	Nos.	=		2.000
	Water Absorption, Specific Gravity, Impact Value, Crushing Value	4	Nos.	=		4.000
	Flakiness Index/ Elongation Index	2	Nos.	=		2.000
	CONCRETE					
	Compressive strength of C.C.Cube (Set of 3 cubes)	10	Nos.	=		10.000
	Concrete Mix Design (With all Tests on basic materials)	2	Nos.	=		2.000
	FINE AGGREGATES					
	Fineness Modulus (Sieve Analysis), Silt & Clay Content	2	Nos.	=		2.000
	Silt Factor	2	Nos.	=		2.000
	TOTAL QUANTITY					**24.000**

MAP Consultancy Services,
Consultant Engineer

Deputy Engineer,
Karad Municipal Council

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT VADAR VASTI HINDVI CHOWK SHRI DIPAK MANE HOME TO SHRI DASHRATH PAWAR HOME AND SHRI NAVNATH VAGH HOME TO SHRI SHASHIKANT JADHAV HOME ,KARAD

RATE ANALYSIS.

SR.NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE

1 Excavation for **roadway in hard murum including dressing section** to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 2.13 & PAGE NO.26				**139.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS				-1.39
				137.61
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)				6.88
ADD 1% OF LABOUR AMENITIES/CESS				1.39
TOTAL RATE Rs.				**145.88** PerCu.M.

2 Conveying **materials obtained from road cutting including all lifts, laying in layers of 20cm to 30cm. breaking clods,** dressing to the required lines, curves, grades and section, watering and compacting to not less than 97% of standard Proctor density for a lead of over 50m. to 300m. inclusive from the site of excavation to the site of deposition as

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 2.25 & PAGE NO.27				**195.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS				-1.95
				193.05
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)				9.65
ADD 1% OF LABOUR AMENITIES/CESS				1.95
TOTAL RATE Rs.				**204.65** PerCu.M.

3 Providing **soling using 80 mm size trap metal in 15 cm.** layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 21.4 & PAGE NO.194			**1454.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-14.54
			1439.46
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			71.97
ADD LEAD CHARGES FOR SOLING	1.00000	486.83	486.83
ADD LEAD CHARGES FOR GRIT	0.15000	397.93	59.69
ADD 1% OF LABOUR AMENITIES/CESS			14.54
TOTAL RATE Rs.			**2072.49** PerCu.M.

4 Providing and laying Cast in **situ/Ready Mix cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, **with fully automatic micro processor based PLC with SCADA** enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. **With fine aggregate (Crushed sand VSI Grade)**

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 24.01 & PAGE NO.215	**5830.00**

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RATE ANALYSIS.

SR.NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
	DEDUCT Rs. 120.00 FOR NON SCADA			-120.00
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-58.30
				5651.70
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			282.59
	ADD LEAD CHARGES FOR CEMENT	0.22000	120.00	26.40
	ADD LEAD CHARGES FOR SAND	0.47000	397.93	187.03
	ADD LEAD CHARGES FOR CR METAL	0.24000	397.93	95.50
	ADD LEAD CHARGES FOR 40MM METAL CB	0.70000	381.35	266.95
	ADD 1% OF LABOUR AMENITIES/CESS			58.30
	TOTAL RATE Rs.			6568.47 PerCu.M.

5 Providing and laying in situ **cement concrete M -30 with tremix treatment for 200 mm thickness for Concrete Road** is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and 20 mm deep with necessary refilling with bitumen (**excluding reinforcement**) with coarse and fine aggregate (natural sand/ VSI grade finely washed crushed sand) etc. complete

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 5.22(a) & PAGE NO.52			8447.00
DEDUCT 1% OF LABOUR AMENITIES/CESS			-84.47
			8362.53
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			418.13
ADD LEAD CHARGES FOR CEMENT	0.40000	120.00	48.00
ADD LEAD CHARGES FOR SAND	0.42500	397.93	169.12
ADD LEAD CHARGES FOR CR METAL	0.85000	397.93	338.24
ADD 1% OF LABOUR AMENITIES/CESS			84.47
TOTAL RATE Rs.			9420.49 PerCu.M.

6 Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in **cement mortar 1:6 in plinth** as backing in composite masonry including bailing out water manually, striking joints, raking out joints and watering etc Complete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 27.03 & PAGE NO.242			7514.00
DEDUCT 1% OF LABOUR AMENITIES/CESS			-75.14
			7438.86
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			371.94
ADD LEAD CHARGES FOR CEMENT	0.07900	120.00	9.48
ADD LEAD CHARGES FOR SAND	0.32000	397.93	127.34
ADD LEAD CHARGES FOR BRICKS	0.47500	531.38	252.41
ADD 1% OF LABOUR AMENITIES/CESS			75.14
TOTAL RATE Rs.			8275.17 PerCu.M.

7 Providing internal **cement plaster 20mm thick in single coats** in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 32.06 & PAGE NO.256			375.00
DEDUCT 1% OF LABOUR AMENITIES/CESS			-3.75
			371.25
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			18.56
ADD LEAD CHARGES FOR CEMENT	0.00700	120.00	0.84
ADD LEAD CHARGES FOR SAND	0.02500	397.93	9.95
ADD 1% OF LABOUR AMENITIES/CESS			3.75
TOTAL RATE Rs.			404.35 PerSq.M.

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RATE ANALYSIS.

SR.NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE

8 Providing, laying and fixing **P.V.C. pipe of 15mm dia. with fittings such as bends, tees, reducers, clamps,** etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 42.21 & PAGE NO.344			**82.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-0.82
			81.18
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			4.06
ADD 1% OF LABOUR AMENITIES/CESS			0.82
TOTAL RATE Rs.			**86.06** PerRg.M.

9 Providing and laying **concrete pipes of I.S.NP. class of 150mm diameter** in proper line, level and slope including necessary collars, excavation, laying, fixing with collars in cement mortar 1:1 and refilling the trench complete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 42.07 & PAGE NO.342			**530.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-5.30
			524.70
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			26.24
ADD 1% OF LABOUR AMENITIES/CESS			5.30
TOTAL RATE Rs.			**556.24** PerRg.M.

10 Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc.complete.(Bd-A-2/259) Lift 0 to1.5M

MJP SSR OF 2023-24 SECTION-E-2 & PAGE NO.37			**187.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-1.87
			185.13
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			9.26
ADD 1% OF LABOUR AMENITIES/CESS			1.87
TOTAL RATE Rs.			**196.26** PerCu.M.

11 Providing and laying concrete pipes of I.S.NP. Class of 300mm diameter in proper line,level and slope including necessary collars, excavation, laying, fixingwith collars in cement mortar 1:1 and refilling the trench complete.

SSR OF 2022-23 ITEM NO. 42.09 & PAGE NO.274			**744.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-7.44
			736.56
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			36.83
ADD LEAD CHARGES FOR CEMENT	0.00600	120.00	0.72
ADD LEAD CHARGES FOR SAND	0.00900	397.93	3.58
ADD LEAD CHARGES FOR RCC PIPE 450MM NP-2	1.00000	37.77	37.77
ADD 1% OF LABOUR AMENITIES/CESS			7.44
TOTAL RATE Rs.			**822.90** PerRg.M.

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RATE ANALYSIS.

SR.NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE

12 Refilling the trenches with available excavated stuff with soft material firs over pipe line and then hard material in15cm layers with all leads and lifts including

MJP SSR OF 2023-24 SECTION-E-15 & PAGE NO.40				**92.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS				-0.92
				91.08
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)				4.55
ADD 1% OF LABOUR AMENITIES/CESS				0.92
	TOTAL RATE Rs.			**96.55** PerSq.M.

13 Supplying **hard murum/ kankar** at the road site, including conveying and stacking complete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 2.29 (a) & PAGE NO.28				**435.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS				-4.35
				430.65
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)				21.53
ADD LEAD CHARGES FOR MURUM-HARD	1.00000	252.22		252.22
ADD 1% OF LABOUR AMENITIES/CESS				4.35
	TOTAL RATE Rs.			**708.75** PerCu.M.

14 Spreading **hard murum/ soft murrum/ gravel or kankar** for side width complete

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 2.3 & PAGE NO.28				**79.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS				-0.79
				78.21
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)				3.91
ADD 1% OF LABOUR AMENITIES/CESS				0.79
	TOTAL RATE Rs.			**82.91** PerCu.M.

15 Compacting the **hard murum side widths** including laying in layers on each side **with power roller** including artificial watering etc. complete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 2.31 & PAGE NO.28				**21.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS				-0.21
				20.79
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)				1.04
ADD 1% OF LABOUR AMENITIES/CESS				0.21
	TOTAL RATE Rs.			**22.04** PerSq.M.

16 Providing and **constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W.pipes, Brick Masonry, plastering from inside and C.I. lid cover 75 kg with frame fixed in cement concrete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 42.11 & PAGE NO.343				**14786.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS				-147.86
				14638.14
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)				731.91
ADD 1% OF LABOUR AMENITIES/CESS				147.86
	TOTAL RATE Rs.			**15517.91** PerNo.

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RATE ANALYSIS.

SR.NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
17	Providing and fixing **board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period** etc., having rectangular shape of **1.20m x 0.90m size made out 18 gauge (1.25mm) thick** mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete.			
	BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 6.36 & PAGE NO.71			**9963.00**
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-99.63
				9863.37
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			493.17
	ADD 1% OF LABOUR AMENITIES/CESS			99.63
			TOTAL RATE Rs.	**10456.17** Per No.

MAP Consultancy Services,
Consultant Engineer

Deputy Engineer,
Karad Municipal Council

NAME OF WORK:- C
LAYING RCC PIP
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SHRI SHAS

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT VADAR VASTI HINDVI CHOWK SHRI DIPAK MANE HOME TO SHRI DASHRATH PAWAR HOME AND SHRI NAVNATH VAGH HOME TO SHRI SHASHIKANT JADHAV HOME ,KARAD

LEAD CHART

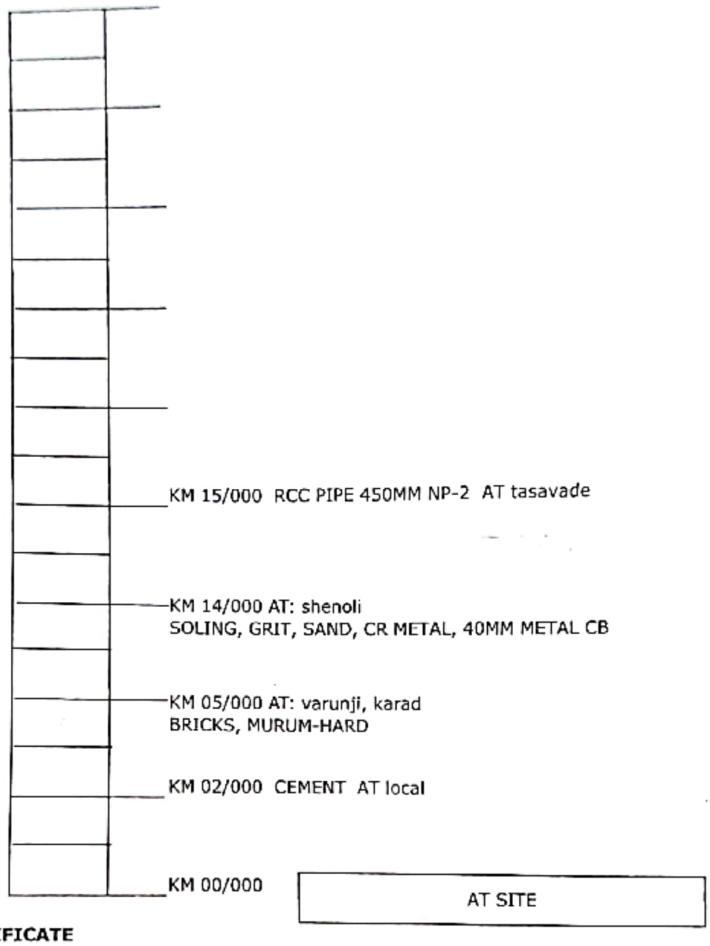
SR.NO.	MATERIAL	TYPE OF MATERIAL	LOCATION OF QUARRY	LEAD IN KM.	LEAD CHARGES.
1	SOLING	MACHINE	shenoli	14.00	486.83
2	GRIT	MACHINE	shenoli	14.00	397.93
3	CEMENT	MANUAL	local	2.00	120.00
4	SAND	MACHINE	shenoli	14.00	397.93
5	CR METAL	MACHINE	shenoli	14.00	397.93
6	40MM METAL CB	MACHINE	shenoli	14.00	381.35
7	BRICKS	MANUAL	varunji	5.00	531.38
8	RCC PIPE 450MM NP-2	PIPE	tasavade	15.00	37.77
9	MURUM-HARD	MACHINE	karad	5.00	252.22

MAP Consultancy Services,
Consultant Engineer

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT VADAR VASTI HINDVI CHOWK SHRI DIPAK MANE HOME TO SHRI DASHRATH PAWAR HOME AND SHRI NAVNATH VAGH HOME TO SHRI SHASHIKANT JADHAV HOME ,KARAD

QUARRY CHART



CERTIFICATE

Certified that I have visited the quarry sites & distance shown as lead is corrects & sufficient quantity will be available from quarry.

MAP Consultancy Services,
Consultant Engineer

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT VADAR VASTI HINDVI CHOWK SHRI DIPAK MANE HOME TO SHRI DASHRATH PAWAR HOME AND SHRI NAVNATH VAGH HOME TO SHRI SHASHIKANT JADHAV HOME ,KARAD

OTHER MATERIAL COMPONENTS

Sr No.	Item Of Work	Quantity	SOLING		GRIT		CEMENT		SAND		CR METAL		40MM METAL CR		BRICKS		CC PIPE 450MM NP-		[illegible]		20MM METAL	
			Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	Providing **soling using 80 mm size trap metal in 15 cm.** layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.	112.350	1.00000	112.350	0.15000	16.853																
	SSR OF 2022-23 ITEM NO. 21.4 & PAGE NO.104																					
2	Providing and laying Cast in **situ/Ready Mix cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including bailing out water, formwork, laying/pumping, compacting.	80.250					0.22000	17.655	0.47000	37.718	0.24000	19.260	0.70000	56.175								
	SSR OF 2022-23 ITEM NO. 24.01 & PAGE NO.215																					
3	Providing and laying in situ **cement concrete M -30 with tremix treatment for 200 mm thickness for Concrete Road** is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and	128.400					0.40000	51.360	0.42500	54.570	0.85000	109.140										
	SSR OF 2022-23 ITEM NO. 5.22(e) & PAGE NO.52																					
4	Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in **cement mortar 1:6 in plinth** as backing in composite masonry including bailing out water manually, striking joints, raking out	1.987					0.07900	0.157	0.32000	0.636					0.47500	0.944						
	SSR OF 2022-23 ITEM NO. 27.03 & PAGE NO.242																					
5	Providing internal **cement plaster 20mm thick in single coats** in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete	8.640					0.00700	0.060	0.02500	0.216												
	SSR OF 2022-23 ITEM NO. 32.08 & PAGE NO.256																					
6	Providing and laying **cement concrete pipe** of IS 458:2003 **NP-2 class of 450mm diameter** in proper line, level and slope including providing and fixing collars in cement mortar 1:2 and curing etc. complete.	214.000					0.00600	1.284	0.00900	1.926							1.00000	214.000				
	SSR OF 2022-23 ITEM NO. 11.08 & PAGE NO.98																					
7	Providing **internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish** to concrete surface in all positions including scaffolding and curing etc. complete.	33.128					0.00350	0.116	0.00760	0.252												
	SSR OF 2022-23 ITEM NO. 32.01 & PAGE NO.256																					

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Sr No.	Item Of Work	Quantity	SOLING		GRIT		CEMENT		SAND		CR METAL		40MM METAL CB		BRICKS		CC PIPE 450MM NB-		[illegible]		20MM METAL	
			Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
8	Supplying **hard murum/ kankar** at the road site, including conveying and stacking complete.	48.150																	[illegible]	[illegible]		
	SSR OF 2021-23 ITEM NO. 2.29 (a) & PAGE NO.28																					
9	Providing and **constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W.pipes, Brick Masonry, plastering	22.000					0.17650	3.883	0.54000	11.880					0.52700	11.594					0.30000	6.600
	SSR OF 2022-23 ITEM NO. 42.11 & PAGE NO.343																					
	TOTAL:		112.350		16.853		74.515		107.197		128.400		56.175		12.538		214.909		48.150		6.600	

MAP Consultancy Services,
Consultant Engineer

NAME OF WORK- CO
PROVIDING AND
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AND SHRI

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT VADAR VASTI HINDVI CHOWK SHRI DIPAK MANE HOME TO SHRI DASHRATH PAWAR HOME AND SHRI NAVNATH VAGH HOME TO SHRI SHASHIKANT JADHAV HOME ,KARAD

FREQUNCY CHART

Sr. No.	Material	Qty.	Unit	Tests	Frequency	No. of Test
1	BASIC TEST OF AGGREGATE	110.243	Nos.	Sieve Analysis	1 TEST/100 Cu.M.	2
2	BASIC TEST OF AGGREGATE	367.601	Nos.	Water Absorption, Specific Gravity, Impact Value, Crushing Value	1 TEST/100 Cu.M.	4
3	BASIC TEST OF AGGREGATE	110.243	Nos.	Flakiness Index/ Elongation Index	1 TEST/100 Cu.M.	2
4	CONCRETE	411.183	Nos.	Compressive strength of C.C.Cube (Set of 3 cubes)	1 TEST/0 Cu.M.	10
5	CONCRETE	411.183	Nos.	Concrete Mix Design (With all Tests on basic materials)	1 TEST/100 Cu.M.	2
6	FINE AGGREGATES	193.074	Nos.	Fineness Modulus (Sieve Analysis), Silt & Clay Content	1 TEST/100 Cu.M.	2
7	FINE AGGREGATES	193.074	Nos.	Silt Factor	1 TEST/100 Cu.M.	2

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Consultant Engineer

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PI... LINE FOR CLOSED DRAIN AT VADAR VASTI HINDVI CHOWK SHRI DIPAK MANE HOME TO SHRI DASHRATH PAWAR HOME AND SHRI NAVNATH VAGH HOME TO SHRI SHASHIKANT JADHAV HOME ,KARAD

ROYALTY STATEMENT

Sr No.	Item Of Work	Quantity	UNIT	NATURAL SAND		OTHER MINERALS	
				Factor	Qty.	Factor	Qty.
1	2	3	4	5	6	7	8
1	Providing **soling using 80 mm size trap metal in 15 cm.** layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.	112.350	Cu.M.			1.00000	112.350
2	Providing and laying Cast in **situ/Ready Mix cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including bailing out	80.250	Cu.M.	0.47000	37.720		
3	Providing and laying in situ **cement concrete M -30 with tremix treatment for 200 mm thickness for Concrete Road** is including laying plastic sheet for 125	128.400	Cu.M.	0.42500	54.570		
4	Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in **cement mortar 1:6 in plinth** as backing in composite masonry including bailing	1.987	Cu.M.	0.32000	0.640		
5	Providing internal **cement plaster 20mm thick in single coats** in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including	8.640	Cu.M.	0.02500	0.220		
6	Providing and laying **cement concrete pipe** of IS 458:2003 **NP-2 class of 450mm diameter** in proper line, level and slope including providing and fixing collars	214.000	Cu.M.	0.00900	1.930		
7	Providing **internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish** to concrete surface in all positions including	33.128	Cu.M.	0.00760	0.250		
8	Supplying **hard murum/ kankar** at the road site, including conveying and stacking complete.	48.150	Cu.M.			1.00000	48.150
9	Providing and **constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete	22.000	Cu.M.	0.54000	11.880		

Total Qty. in Cubic Metre	0.000		160.500
Rate INR.	0.000		216.180
Total Amount INR	0.000		34697.000
Grand Total Amount INR			34697.000

Notes:

1] Royalty charges for Natural Sand. Rate inclusive of surcharges of 2% + Mineral Foundation 10% [0 + 0 + 0 = 0]

2] Royalty charges for Other Minerals. Rate inclusive of surcharges of 2% = [0 + 0 = 0]

M.A.P Consultancy Services,
Consultant Engineer

NAME OF WORK:- PROVIDING AND ... HINDVI CHOW... AND SHRI ... KARAD

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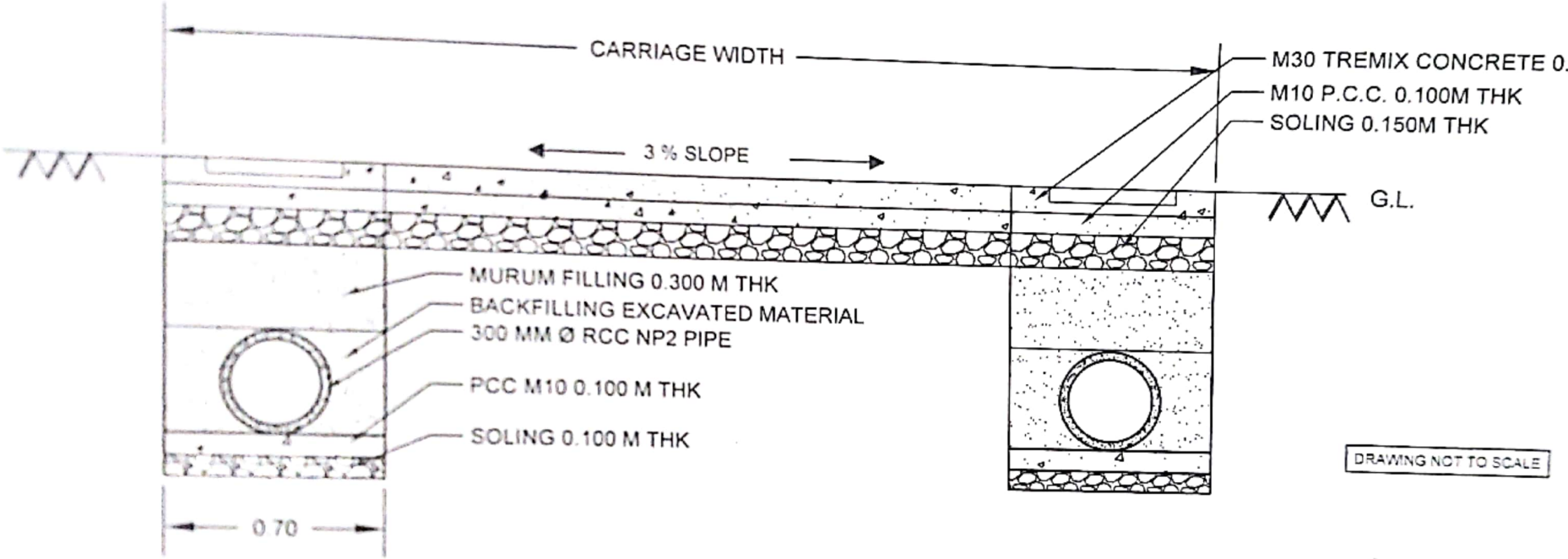
NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT VADAR VASTI HINDVI CHOWK SHRI DIPAK MANE HOME TO SHRI DASHRATH PAWAR HOME AND SHRI NAVNATH VAGH HOME TO SHRI SHASHIKANT JADHAV HOME ,KARAD

MATERIAL SUMMARY

SR.NO.	MATERIAL	TOTAL QUANTITY	QUANTITY OF ROYALTY	REMARKS
1	SOLING	112.350	112.350	
2	GRIT	16.853	-	
3	CEMENT	74.515	-	
4	SAND	107.197	107.197	
5	CR METAL	128.400	-	
6	40MM METAL CB	56.175	-	
7	BRICKS	12.538	-	
8	RCC PIPE 450MM NP-2	214.000	-	
9	MURUM-HARD	48.150	48.150	
10	20MM METAL	6.600	-	

MAP Consultancy Services,
Consultant Engineer

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TYPICAL CROSS SECTION OF CC ROAD & RCC PIPE DRAIN

NAME OF WORK -
CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT VADAR VASTI HINDVI CHOWK SHRI DIPAK MANE HOME TO SHRI DASHRATH PAWAR HOME AND SHRI NAVNATH VAGH TO SHRI SHASHIKANT JADHAV HOME ,KARAD

MAPS CIVIL CONSULTANCY LLP
KARAD

CONSULTING ENGINEER
KARAD MUNICIPAL COUNCIL

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ME OF WORK - CONSTRUCTION OF CEMENT CONCRETE ROAD AND
OVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT VADAR VASTI
NDVI CHOWK SHRI DIPAK MANE HOME TO SHRI DASHRATH PAWAR HOME AND
HRI NAVNATH VAGH TO SHRI SHASHIKANT JADHAV HOME ,KARAD



GOOGLE LOCATION PLAN
N.T.S.



GPS TAGGING PHOTO

MAPS CIVIL CONSULTANCY KARAD

CONSULTING ENGINEER
KARAD MUNICIPAL COUNCIL

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Karad Nagar Parishad, Karad Public Works Department

: Name of Work :

पेठ बुधवार धोत्रे घर ते पश्चिमेस मुख्य रस्त्यावर क्लचर रेडीमेड पर्यंत रस्त्याच्या दोन्ही बाजूस बंदिस्त गटर पाईप लाईन करणे.

Total Estimated Cost Rs	4262302.00	0

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Karad Municipal Council, Karad

General Description

: Name of Work :

पेठ बुधवार धोत्रे घर ते पश्चिमेस मुख्य रस्त्यावर क्लचर रेडीमेड पर्यंत रस्त्याच्या दोन्ही बाजूस बंदिस्त गटर पाईप लाईन करणे.

Description of work:

RCC Pipeline

1) Excavation for roadway in earth,.
2) Filling in plinth and floors with contractors material
3) Providing and laying Cast in situ/Ready Mix cement concrete in M15
4) Providing ISI standard R.C.C. pipes NP2
5) Lowering ISI standard R.C.C. pipes NP2
6) Providing and constructing on sewer, B. B. masonry circular manhole with concentric cone
7) Providing & constructing Brick masonary Inspection chember Size etc complete.
8) Providing steel stucture complete as directed dy Engineer-in-charg
9) Refilling the trenches with available excavated stuff with soft material
10) Transporting excavated soil
11) Dewatering

Schedule of Rates:

For this proposed work the rates are referred from PWD/Mjp SSR 2022-23 as per requirement

Value of work:

Exact amount of this proposed work is | Rs. | 4262302 | 0

Approval:

For the preparation of estimate of this proposed work Karad Municipal Council has made resolution no date with This estimate is prepared with suggestion and under the guidance of Municipal Engineer Karad Municipal Council.

Consulting Engineer	City Engineer	Chief Officer
Karad Municipal Council	Karad Municipal Council	Karad Municipal Council

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GOVERNMENT OF MAHARASHTRA
KARAD MUNICIPAL COUNCIL KARAD

पेठ बुधवार धोत्रे घर ते पश्चिमेस मुख्य रस्त्यावर क्लचर रेडीमेड पर्यंत रस्त्याच्या दोन्ही बाजूस बंदिस्त गटर पाईप लाईन करणे.

RECAPULATION SHEET

Sr. No.	Name of Work	Amount
1)	पेठ बुधवार धोत्रे घर ते पश्चिमेस	
	मुख्य रस्त्यावर कल्चर रेडीमेड दुकान पर्यंत रस्त्याच्या दोन्ही बाजूस बंदिस्त गटर पाईप लाईन करणे	3612120.00
	Add GST 18%	650181.60
	Sub Total cost Rs.	4262302.00
	Total Cost of Subwork	4262302.00

Er. Sunil Yashwant Basugade
Consulting Engineer

Sanitary Engineer
Karad Municipal Council Karad

P.Chavhan
Chief Officer
Karad Municipal Council

अंकुशनाका नगरपालिका मुख्याधिकारी कराड जि. सातारा
नगरपालिका खातेदारी चालू क्र. 37825417
धनादेश/डिमांड ड्राफ्ट नं. 0000000220251016000500401816
दिनांक 16/10/25
बँकेचे नाव Axis bank
शाखा Karad
(Patil)
शाखा अभियंता

Technically Sanctioned to Rs. 42,62,302/-
(Rs. forty two lakhs sixty two thousands three Hundred two only.)
Form No.85, Item No. 39
Month- October Year- 2025
( )
Office Engineer
Kar. Pr.
Mu. Kar.

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KARAD NAGAR PARISHAD,KARAD

पेठ बुधवार धोत्रे घर ते पश्चिमेस मुख्य रस्त्यावर वलचर रेडीमेड पर्यंत रस्त्याच्या दोन्ही बाजूस बंदिस्त गटर पाईप लाईन करणे.

ABSTRACT

Qty	Unit	Item	RATE	Per	Amount
		Item No 1			
		Providing ISI standard R.C.C. pipes in standard lengths of following class and diameter suitable for either collar joints or rubber ring joints, including all taxes (Central and local), inspection charges, transport to departmental stores/site, unloading and stacking etc. complete. Rubber Ring Joints Class 'NP-II' RR Joints			
25.00	Rmt	250 mm RCC NP 2	502.00	Rmt	12550.00
500.00	Rmt	300 mm RCC NP 2	650.00	Rmt	325000.00
20.00	Rmt	450 mm RCC NP 2	1232.00	Rmt	24640.00
		MJP 2023-24 Page No / Item No . 109 / 1 D,			
		Item No 2			
		Lowering, laying and jointing in proper grade and alignment R.C.C. pipes with collar joints in C.M.1:1 proportion or socketed R.C.C. pipes with rubber joints (excluding cost of rubber ring or R.C.C. collar,) including cost of conveyance from stores to site of work, cost of jointing material, labour, giving hydraulic testing etc. complete as directed by Engineer-in-charge (For all class of pipes.) RR Joint Joints.			
25.00	Rmt	250 mm RCC NP 2	197.40	Rmt	4935.00
500.00	Rmt	300 mm RCC NP 2	239.40	Rmt	119700.00
20.00	Rmt	450 mm RCC NP 2	380.10	Rmt	7602.00
		MJP 2023-24 Paghe No / Item No .108,/ 2			
		Item No 3			
		Excavation for foundation / pipe trenches in earth, soils of all types, sand, gravel and soft murum, including removing the excavated material upto a distance of 50 metres and lifts as below, stacking and spreading as directed, manual dewatering, preparing the bed for foundation and excluding backfilling, etc. complete. Lift 0 to 1.5 M			
261.80	Cum	Lift 0.00 to 1.50 M	173.25	Cum	45356.85
		MJP 2023-24 Page No / Item No .43 / 1			
		Item No 4			
		Excavation for foundation / pipe trenches in hard murum and boulders, W.B.M. road including removing the excavated material upto a distance of 50 M beyond the area and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatreing, preparing the bed for foundation and excluding backfilling, etc. complete. Lift 0 to 1.5 M			
43.85	Cum	Lift 0.00 to 1.50 M	221.55	Cum	9714.97
		MJP 2023-24 Page No / Item No .37/ 3			

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Qty	Unit	Item	RATE	Per	Amt
		Item No 5			
		Excavation for foundation / pipe trenches in soft rock and old cement and lime masonry foundation asphalt road including removing the excavated material upto a distance of 50 M beyond area and lifts as below, stacking as directed by Engineer-in-charges, normal dewatering, preparing the bed for foundation and excluding backfilling, etc. complete. Lift 0 to 1.5 M			
38.85	Cum	Lift 0.00 to 1.50 M	660.45	Cum	25658.48
		MJP 2023-24 Page No / Item No 37/ 5			
		Item No 6			
		Dewatering the excavated trenches and pools of water in the building trenches / pipeline trenches, well works by using pumps and other devices including disposing off water to safe distance as directed by Engineer-in-charge (including cost of machinery, labour, fuel), etc. complete.			
10.00	BHP		93.45	BHP	934.50
		MJP 2023-24 Page No / Item No 40 / 14			
		Item No 7			
		Refilling the trenches with contractors murum for bedding in 15 cm to 20 cm layers including watering and compaction etc complete.			
62.03	Cum		957.60	Cum	59395.14
		MJP 2023-24 Page No / Item No 46 / 15			
		Item No 8			
		Providing and constructing on sewer, B.B. masonry rectangular manhole chamber of size **0.90 x0.60 x1.2 m** with 23 cm brick work in CM 1:4 proportion excluding excavation including foundation concrete 150 mm thick and haunches and channels in c.c.1:2:4 proportion, finishing channels in smooth rendering, 1:2:4 coping and providing and fixing approved make and quality S.F.R.C. frame and cover of 0.90 x0.60 m. etc. complete as directed by Engineer-in-charge.			
20.00	Nos	0.9 to 1.2 M depth	16139.55	Nos	322791.00
50.00	Nos	0.6 to 0.9 M depth	14091.00	Nos	704550.00
45.00	Nos	0.3 to 0.6 M depth	12042.45	Nos	541910.25
		MJP 2023-24 Page No / Item No 284 /3 c			
		Item No 9			
		Making property connections to road manhole or street manhole including providing, laying jointing 110 mm dia PVC pipe of 4 kg in proper grade and alignment for lenth upto 5 M, , etc complete as directed			
120.00	Mtr		270.90	Mtr	32508.00
		MJP 2012-13 Page No / Item No 47 /20 (Rs.219+39=258			
		Item No 10			
		Refilling the trenches with contractors murum for bedding in 15 cm to 20 cm layers including watering and compaction etc complete.			
103.88	Cum		957.60	Cum	99474.52

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	Unit	Item	RATE	Per	Amount
		MJP 2023-24 Page No / Item No 46 / 15			
		Item No 11			
		Providing and laying in situ cement concrete M 15 of trap / granite / gneiss / quartzite metal for foundation and bedding including bailing out water form work compaction, curing etc. complete.			
121.69	Cum		6175.05	Cum	751426.40
		MJP 2023-24 Page No / Item No 47/1			
		Item No 12			
		Disposing off surplus excavated stuff of work up to a distance of 5 km including loading unlaoding transport etc complete			
344.50	Cum		434.72	Cum	149761.38
		MJP 2023-24 Page No / Item No 21/1			
		Item No 13			
		Providing and supplying following material for restoring house connections			
180.00	Rmt	20 mm dia MDPE Pipe SDR -9	29.00	Rmt	5220.00
180.00	Nos	20x20 mm dia Coupling	58.00	Nos	10440.00
		MJP 2023-24Paghe No / Item No128 ,135 /1 a i ,2			
		Item No 14			
		Providing second class Burnt Brick Masonery with conventional/I S type pricks in CM 1;6 in foundation and plinth of external walls including bailing out water manually, striking joints on unexposed faces ,raking out joints on exposed faces and watering etc comlete.			
10.18	Cum			Cum	82954.37
		PWD DSR 2023-24 BDG-1 Sr No 889 SSR Item No 27.01 Page No 199	8142.75		
		Item No15			
1.00	No	PMC charges ,TS charges and contengencs 5%	275596.79	No	275596.79
			Total		**3612119.65**
			Say		**3612120.00**

Er. Sunil Yashwant Basugade
Consulting Engineer

Sanitary Engineer
Karad Municipal Council Karad

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प त्याच्या दोन्ही बाजूस बंदिस्त गटर पाईप लाईन करणे

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KARAD NAGAR PARISHAD KARAD

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पेठ बुधवार धोत्रे घर ते पश्चिमेस मुख्य रस्त्यावर क्लचर रेडीमेड पर्यंत रस्त्याच्या दोन्ही बाजूस बंदिस्त गटर पाईप लाईन करणे.

MEASURMENT

Sr.No.	Item	No.	Length	Width	Depth	Qty	Total Qty
	Item No 1						
	Providing ISI standard R.C.C. pipes in standard lengths of following class and diameter suitable for either collar joints or rubber ring joints, including all						
	250 mm RCC NP 2	1	25			25	Rmt
	300 mm RCC NP 2	1	500			500	Rmt
	450 mm RCC NP 2	1	20			20	Rmt
	Item No 2						
	Lowering, laying and jointing in proper grade and alignment R.C.C. pipes with collar joints in C.M.1:1 proportion or socketed R.C.C. pipes with rubber						
	250 mm RCC NP 2	1	25			25	Rmt
	300 mm RCC NP 2	1	500			500	Rmt
	450 mm RCC NP 2	1	20			20	Rmt
	Item No 3						
	Excavation for foundation / pipe trenches in earth, soils of all types, sand, gravel and soft murum,						
	Lift 0.00 to 1.50 M						
	250 mm dia	1	25	0.7	0.7	12.25	Cum
	300 mm dia	1	500	0.8	0.7	280.00	Cum
	450 mm dia	1	20	1.05	0.8	16.80	Cum
					Total	309.05	Cum
	Deduction						
	Existing gutter volume	1	525	0.3	0.3	47.25	Cum
	Total					**261.80**	**Cum**
	Item No 4						
	Excavation for foundation / pipe trenches in hard murum and boulders, W.B.M. road including removing the excavated material upto a distance of						
	Lift 0.00 to 1.50 M						
	250 mm dia	1	25	0.7	0.1	1.75	Cum
	300 mm dia	1	500	0.8	0.1	40.00	Cum
	450 mm dia	1	20	1.05	0.1	2.10	Cum
	Total					**43.85**	**Cum**
	Item No 5						
	Excavation for foundation / pipe trenches in soft rock and old cement and lime masonry foundation asphalt road including removing the excavated						
	Lift 0.00 to 1.50 M						
	250 mm dia	1	25	0.7	0.1	1.75	Cum
	300 mm dia	1	500	0.7	0.1	35.00	Cum
	450 mm dia	1	20	1.05	0.1	2.10	Cum
	Total					**38.85**	**Cum**

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Untitled Map

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Sr.No.	Item	No.	Length	Width	Depth	Qty	Total
	Item No 6						
	Dewatering the excavated trenches and pools of water in the building trenches / pipeline trenches, weii works by using pumps and other devices						
		10				10	BHP
	Item No 7						
	Filling in plinth and floors murum bedding in trenches with approved murum brought from outside in 15cm to 20cm layers including watering and compaction complete.						
	250 mm dia	1	25	0.7	0.15	2.63	Cum
	300 mm dia	1	500	0.75	0.15	56.25	Cum
	450 mm dia	1	20	1.05	0.15	3.15	Cum
	Total					**62.03**	**Cum**
	Item No 8						
	Providing and constructing on sewer, B.B. masonry rectangular manhole chamber of size 0.90 x0.60 x1.2 m with 23 cm brick work in CM 1:4 proportion						
	0.9 to 1.2 M depth	20				20	Nos
	0.6 to 0.9 M depth	50				50	Nos
	0.3 to 0.6 M depth	45				45	Nos
	Excluding cost of SFRC Frame and cover						
	Item No 9						
	Making property connections to road manhole or street manhole including providing, laying jointing 110 mm dia PVC pipe of 4 kg in proper grade and alignment for lenth upto 5 M, , etc complete as						
		1	120			120	Mtrs
	Item No 10						
	Refilling the trenches with murum brought from outsidel first over pipeline and then hard material in 15 cm layers with all leads and lifts including						
	Total Excavation					344.50	
	Deduct 1.0) Bedding					62.03	
	2.0) pipe volume						
	250 mm RCC NP 2	25	0.7854	0.3	0.30	1.77	
	300 mm RCC NP 2	500	0.7854	0.36	0.36	50.89	
	450 mm RCC NP 2	20	0.7854	0.52	0.52	4.25	
	Concrete Road Qty					121.69	
	Net Qty					**103.88**	**Cum**
	Item No 11						
	Providing and laying in situ cement concrete M 15 of trap / granite / gneiss / quartzite metal for foundation and bedding including bailing out water form work compaction, curing etc. complete.						
	For Road formation on Pipe						
	250 mm RCC NP 2	1	25	0.75	0.25	4.69	Cum
	300 mm RCC NP 2	1	500	0.9	0.25	112.50	Cum
	450 mm RCC NP 2	1	20	0.9	0.25	4.50	Cum
	Net Qty					**121.69**	**Cum**

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No.	Item	No.	Length	Width	Depth	Qty	Total Qty
	Item No 12						
	Disposing off surplus excavated stuff of work up to a distance of 5 km including loading unlaoding transport etc complete						
	Total Quantity of Excavation					**344.50**	**Cum**
	Item No13						
	Providing and supplying following material for restoring house connections						
	20 mm MDPE pipe 9SDR 9)	90	2			180	Rmt
	20x20 mm dia Coupling	2.00	90			180	Nos
	Item No14						
	Providing and const. BB masonary in CM 1:6—— etc complete						
	For re construtionof Dismentaled steps of existing house hold in front of doors.	30	1.2	0.9	0.3	[illegible]	Cum
	Item No15						
	PMC charges ,TS charges and contengencs 7%	1.00				1	No

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ठ बुधवार धोत्रे घर ते पश्चिमेस मुख्य रस्त्यावर क्लचर रेडीमेड पर्यंत रस्त्याच्या दोन्ही बाजूस बंदिस्त गटर पाईप लाईन करणे.

RATE ANALYSIS

r. No	PARTICULAR OF ITEM	Unit	MJP DSR 2023-24	Item / Page No	Add ForSuger Cane area 5 %	FINAL RATE
	Item No 1					
	Providing ISI standard R.C.C. pipes in standard lengths of following class and					
	250 mm RCC NP 2	Rmt	502.00	1/109	0.00	502.00
	300 mm RCC NP 2	Rmt	650.00	1/109	0.00	650.00
	450 mm RCC NP 2	Rmt	1232.00	1/109	0.00	1232.00
	Item No 2					
	Lowering, laying and jointing in proper grade and alignment R.C.C. pipes with collar joints in C.M.1:1 proportion or socketed R.C.C. pipes with rubber					
	250 mm RCC NP 2	Rmt	188.00	2/110	9.40	197.40
	300 mm RCC NP 2	Rmt	228.00	2/110	11.40	239.40
	450 mm RCC NP 2	Rmt	362.00	2/110	18.10	380.10
	Item No 3					
	Excavation for foundation / pipe trenches in earth, soils of all types, sand, gravel and soft murum, including Lift 0.00 to 1.50 M	Cum	165.00	37-1	8.25	173.25
	MJP 2023-24 Page No / Item No .43 / 1					
	Item No 4					
	Excavation for foundation / pipe trenches in hard murum and boulders, W.B.M. road including removing the	Cum	211.00	37-3	10.55	221.55
	Item No 5					
	Excavation for foundation / pipe trenches in soft rock and old cement and lime masonry foundation asphalt	Cum	629.00	37-5	31.45	660.45
	Item No 6					
	Dewatering the excavated trenches and pools of water in the building trenches / pipeline trenches, well works by using pumps and other devices	Bhp	89.00	40 -14	4.45	93.45
	Item No 7					
	Filling in plinth and floors murum bedding in trenches with approved murum brought from outside in 15cm to 20cm layers including watering and	Cum	912.00	41-17	45.60	957.60

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Item No 8					
Providing and constructing on sewer, B.B. masonry rectangular manhole chamber of size 0.90 x0.60 x1.2 m with 23 cm brick work in CM 1:4 proportion excluding excavation including					
0.9 to 1.2 M depth	No	15371.00	3/284	768.55	16139.55
0.6 to 0.9 M depth	No	13420.00	3/284	671.00	14091.00
0.3 to 0.6 M depth	No	11469.00	3/284	573.45	12042.45
Deduct or add Rs 1951 Per 30 cm ht					
Item No 9					
Making property connections to road manhole or street manhole including providing, laying jointing 110 mm dia PVC pipe of 4 kg in proper grade and alignment for lenth upto 5 M, , etc complete as directed (Rs 219+39=258)	Rmt	258.00	Item 47 and 20 Page 74 and 78	12.90	270.90
Item No 10					
Refilling the trenches with murum brought from outsidel first over pipeline and then hard material in 15 cm layers with all leads and lifts including	Cum	912.00	41-17	45.60	957.6
Item No 11					
Providing and laying in situ cement concrete M 15 of trap / granite / gneiss / quartzite metal for foundation and bedding including bailing out water form work compaction, curing etc.	Cum	5881.00	I 1/P 47	294.05	6175.05
Item No 12					
Disposing off surplus excavated stuff of work up to a distance of 5 km including loading unlaoding transport etc complete	Cum	414.02	I 1 /P 21	20.70	434.72
Item No13					
Providing and supplying following material for restoring house connections					
20 mm MDPE pipe 9SDR 9)	Rmt	29.00	It 1 A/128	0.00	29.00
20x20 mm dia Coupling	No	58.00	It 2/128	0.00	58.00
Item No14					
Providing and const. BB masonary in CM 1:6—— etc complete	Cum	[illegible]	PWD 27.09/199	[illegible]	[illegible]
For re construtionof Dismentaled steps of existing house hold in front of doors.		7755		387.75	8142.75

Er. Sunil Yashwant Basugade
Consulting Engineer

Sanitary Engineer
Karad Municipal Council Karad

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GOVERNMENT OF MAHARASHTRA

KARAD NAGARPARISHAD, KARAD

ESTIMATE

*** NAME OF WORK ***

CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVODING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT SURYAVNSHI MALA AADRSH COLONY FROM SHRI NADAB PLOT TO SHRI SAGAR SHINDE HOME,KARAD

ESTIMATE COST :- 29.23 (29.33) **LAKHS**

ADOPTED SSR OF 2022-23

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVODING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT SURYAVNSHI MALA AADRSH COLONY FROM SHRI NADAB PLOT TO SHRI SAGAR SHINDE HOME,KARAD

GENERAL ABSTRACT

(A)	**COST OF WORK PORTION**	Rs.	2262003.00 2257359.00
(B)	**COST OF ROYALTY & Q.C.TESTING CHARGES**	Rs.	81616.00
	TOTAL (A+B)	Rs.	2343619.00 2338975.00
	1) ADD 18% FOR GOODS AND SERVICES TAX ON [A]	Rs.	407161.00 406325.00
	2) ADD 0.5% FOR LABOUR INSURANCE ON [A]	Rs.	11310.00 11287.00
	3) ADD 1.18% FOR TECHANICAL SANCTION FEE ON [A]	Rs.	26692.00 23390.00
	4) ADD 2.18% FOR PMC CHARGES ON [A]	Rs.	49312.00 49210.00
	5) ADD 1.18% FOR THIRD PARTY INSPECTION CHARGES	Rs.	26692.00 26637.00
	6) ADD 3% FOR CONTENGENCY ON [A]	Rs.	67860.00 67721.00
	GRAND TOTAL	Rs.	2932646.00 2923545.00

MAP Consultancy Services,
Consultant Engineer

Junior Engineer,
Karad Municipal Council

Municipal Engineer,
Karad Municipal Council

Chief Officer,
Karad Municipal Council

Technically Sanctioned to Rs. 2923545.00
(Rs. Twenty nine lakh twenty three thousand three hundred forty five only
Form No.85, Item No. 41
Month- oct Year- 2025

( )
Executive Engineer,
Maharashtra Jeevan Pradhikaran,
Division, Karad

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVODING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT SURYAVNSHI MALA AADRSH COLONY FROM SHRI NADAB PLOT TO SHRI SAGAR SHINDE HOME,KARAD

ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
	[A] WORK PORTION.				
1	Excavation for **roadway in hard murum including dressing section** to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed MORTH 301 **SSR OF 2022-23 ITEM NO. 2.13 & PAGE NO.26** **BASIC RATE**	235.125	145.88 Cu.M.		34300.00
2	Conveying **materials obtained from road cutting including all lifts, laying in layers of 20cm to 30cm. breaking clods,** dressing to the required lines, curves, grades and section, watering and compacting to not less than 97% of standard Proctor density for a lead of over 50m. to 300m. inclusive from the site of excavation to the site of deposition as directed. MORTH 305 **SSR OF 2022-23 ITEM NO. 2.25 & PAGE NO.27** **BASIC RATE**	235.125	204.65 Cu.M.		48118.00
3	Providing **soling using 80 mm size trap metal in 15 cm.** layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. As directed by Engineer in charge. **SSR OF 2022-23 ITEM NO. 21.4 & PAGE NO.194** **RATE ANALYSIS**	92.625	2072.49 Cu.M.		191964.00
4	Providing and laying Cast in **situ/Ready Mix cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, **with fully automatic micro processor based PLC with SCADA** enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. **With fine aggregate (Crushed sand VSI Grade)** Bd. E. 1 Page No. 287 **SSR OF 2022-23 ITEM NO. 24.01 & PAGE NO.215** **RATE ANALYSIS**	66.500	6568.47 Cu.M.		436803.00
5	Providing and laying in situ **cement concrete M - 30 with tremix treatment for 200 mm thickness for Concrete Road** is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and 20 mm deep with necessary refilling with bitumen (**excluding reinforcement**) with coarse and fine aggregate (natural sand/ VSI grade finely washed crushed MORTH 602 **SSR OF 2022-23 ITEM NO. 5.22(a) & PAGE NO.52** **RATE ANALYSIS**	104.500	9413.44 9420.49 Cu.M.		984331.00 984441.00 ~~305824.00~~

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ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
6	Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in **cement mortar 1:6 in plinth** as backing in composite masonry including bailing out water manually, striking joints, raking out joints and watering etc Complete Bd.G.3 Page No. 314 **SSR OF 2022-23 ITEM NO. 27.03 & PAGE NO.242 RATE ANALYSIS**	0.994	8275.17 Cu.M.		8226.00
7	Providing internal **cement plaster 20mm thick in single coats** in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete Bd.L.4 Page No. 368 **SSR OF 2022-23 ITEM NO. 32.06 & PAGE NO.256 RATE ANALYSIS**	4.320	404.35 Sq.M.		1747.00
8	Providing, laying and fixing **P.V.C. pipe of 15mm dia. with fittings such as bends, tees, reducers, clamps,** etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. As directed by Engineer in charge. **SSR OF 2022-23 ITEM NO. 42.21 & PAGE NO.344 BASIC RATE**	20.000	86.06 Rg.M.		1721.00
9	Providing and laying **concrete pipes of I.S.NP. class of 150mm diameter** in proper line, level and slope including necessary collars, excavation, laying, fixing with collars in cement mortar 1:1 and refilling the trench complete. Bd.V.41, Page No. 573 **SSR OF 2022-23 ITEM NO. 42.07 & PAGE NO.342 BASIC RATE**	20.000	556.24 Rg.M.		11125.00
10	Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc.complete.(Bd-A-2/259) Lift 0 to1.5M Bd.A.1 Page No. 259 **MJP SSR OF 2023-24 SECTION-E-2 & PAGE NO.37 BASIC RATE**	135.375	196.26 Cu.M.		26569.00
11	Providing and laying concrete pipes of I.S.NP. Class of 300mm diameter in proper line,level and slope including necessary collars, excavation, laying, fixingwith collars in cement mortar 1:1 and refilling the trench complete. CD.7 Page.No. 162 **SSR OF 2022-23 ITEM NO. 42.09 & PAGE NO.274 RATE ANALYSIS**	190.000	822.90 Rg.M.		156351.00
12	Refilling the trenches with available excavated stuff with soft material firs over pipe line and then hard material in15cm layers with all leads and lifts including				

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ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
	MJP SSR OF 2023-24 SECTION-E-15 & PAGE NO.40 **RATE ANALYSIS**	29.412	96.55	Sq.M.	2840.00
13	Supplying **hard murum/ kankar** at the road site, including conveying and stacking complete. MORTH 408 **SSR OF 2022-23 ITEM NO. 2.29 (a) & PAGE NO.28** **RATE ANALYSIS**	42.750	708.75	Cu.M.	30299.00
14	Spreading **hard murum/ soft murrum/ gravel or kankar** for side width complete MORTH 408 **SSR OF 2022-23 ITEM NO. 2.3 & PAGE NO.28** **BASIC RATE**	42.750	82.91	Cu.M.	3544.00
15	Compacting the **hard murum side widths** including laying in layers on each side **with power roller** including artificial watering etc. complete. MORTH 408 **SSR OF 2022-23 ITEM NO. 2.31 & PAGE NO.28** **BASIC RATE**	142.500	22.04	Sq.M.	3141.00
16	Providing and **constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W.pipes, Brick Masonry, plastering from inside and C.I. lid cover 75 kg with frame fixed in cement concrete. Bd.V.43 Page No. 574 **SSR OF 2022-23 ITEM NO. 42.11 & PAGE NO.343** **BASIC RATE**	20.000	15291.22 15517.91	No.	310358.00 305824.00
17	Providing and fixing **board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period** etc., having rectangular shape of **1.20m x 0.90m size made out 18 gauge (1.25mm) thick** mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. MORTH 801 & As directed by Engineer in Charge **SSR OF 2022-23 ITEM NO. 6.36 & PAGE NO.71** **BASIC RATE**	1.000	10456.17	No.	10456.00
				TOTAL(A) Rs.	**2262003.00** 2257359.00

[B] Royalty Charges & Testing Charges.

E DSR ITEM NO. ... & PAGE NO....

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ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
	ROYALTY CHARGES FOR SAND	0.000	0.00		0.00
	ROYALTY CHARGES FOR OTHER MINERALS	135.380	216.18		29266.00
	BASIC TEST OF AGGREGATE				
	Sieve Analysis	2.000	690.00	Nos.	1380.00
	Water Absorption, Specific Gravity, Impact Value, Crushing Value	4.000	2600.00	Nos.	10400.00
	Flakiness Index/ Elongation Index	2.000	850.00	Nos.	1700.00
	CONCRETE				
	Compressive strength of C.C.Cube (Set of 3 cubes)	10.000	690.00	Nos.	6900.00
	Concrete Mix Design (With all Tests on basic materials)	2.000	13755.00	Nos.	27510.00
	FINE AGGREGATES				
	Fineness Modulus (Sieve Analysis), Silt & Clay Content	2.000	1380.00	Nos.	2760.00
	Silt Factor	2.000	850.00	Nos.	1700.00
			TOTAL(B) Rs.		**81616.00**
			TOTAL(A+B) Rs.		**2343619.00**

2338975.00

MAP Consultancy Services,
Consultant Engineer

Junior Engineer,
Karad Municipal Council

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVODING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT SURYAVNSHI MALA AADRSH COLONY FROM SHRI NADAB PLOT TO SHRI SAGAR SHINDE HOME,KARAD

MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
1	Excavation for **roadway in hard murum including dressing section** to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed. **SSR OF 2022-23 ITEM NO. 2.13 & PAGE NO.26**	1	95.00	5.50	0.450	235.125
	TOTAL QUANTITY					**235.125** Cu.M.
2	Conveying **materials obtained from road cutting including all lifts, laying in layers of 20cm to 30cm. breaking clods,** dressing to the required lines, curves, grades and section, watering and compacting to not less than 97% of standard Proctor density for a lead of over 50m. to 300m. inclusive from the site of excavation to the site of deposition as directed. **SSR OF 2022-23 ITEM NO. 2.25 & PAGE NO.27**	1	95.00	5.50	0.450	235.125
	TOTAL QUANTITY					**235.125** Cu.M.
3	Providing **soling using 80 mm size trap metal in 15 cm.** layer including filling voids with Crushed sand/grit, ramming, watering etc. complete **SSR OF 2022-23 ITEM NO. 21.4 & PAGE NO.194**	1	95.00	5.50	0.150	78.375
	for rcc pipe gutter	2	95.00	0.75	0.100	14.250
	TOTAL QUANTITY					**92.625** Cu.M.
4	Providing and laying Cast in **situ/Ready Mix cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, **with fully automatic micro processor based PLC with SCADA** enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. **With fine aggregate (Crushed sand VSI Grade)** **SSR OF 2022-23 ITEM NO. 24.01 & PAGE NO.215**						

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MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
		1 X	95.00 X	5.50 X	0.100 =	52.250
	for rcc pipe gutter	2 X	95.00 X	0.75 X	0.100 =	14.250
		TOTAL QUANTITY				**66.500** Cu.M.
5	Providing and laying in situ **cement concrete M -30 with tremix treatment for 200 mm thickness for Concrete Road** is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and 20 mm deep with necessary refilling with bitumen (**excluding reinforcement**) with coarse and fine aggregate (natural sand/ VSI grade finely washed crushed sand) etc. complete					
	SSR OF 2022-23 ITEM NO. 5.22(a) & PAGE NO.52	1 X	95.00 X	5.50 X	0.200 =	104.500
		TOTAL QUANTITY				**104.500** Cu.M.
6	Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in **cement mortar 1:6 in plinth** as backing in composite masonry including bailing out water manually, striking joints, raking out joints and watering etc Complete.					
	SSR OF 2022-23 ITEM NO. 27.03 & PAGE NO.242					
	reparing chember	4 X 4 X	0.60 X	0.23 X	0.450 =	0.994
		TOTAL QUANTITY				**0.994** Cu.M.
7	Providing internal **cement plaster 20mm thick in single coats** in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete					
	SSR OF 2022-23 ITEM NO. 32.06 & PAGE NO.256					
	reparing chember	4 X 4 X	0.60	X	0.450 =	4.320
		TOTAL QUANTITY				**4.320** Sq.M.
8	Providing, laying and fixing **P.V.C. pipe of 15mm dia. with fittings such as bends, tees, reducers, clamps,** etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.					
	SSR OF 2022-23 ITEM NO. 42.21 & PAGE NO.344					
	reparing pipe line	1 X	20.00		=	20.000
		TOTAL QUANTITY				**20.000** Rg.M.

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MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
9	Providing and laying **concrete pipes of I.S.NP. class of 150mm diameter** in proper line, level and slope including necessary collars, excavation, laying, fixing with collars in cement mortar 1:1 and refilling the trench complete					
	SSR OF 2022-23 ITEM NO. 42.07 & PAGE NO.342					
	reparing drainage line	1 X	20.00		=	20.000
	TOTAL QUANTITY					**20.000** Rg.M.
10	Excavation for foundation / pipe trenches in hard murum Including removing the excavated material upto a distance of 50M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc.complete.(Bd-A-2/259) Lift 0 to1.5M					
	MJP SSR OF 2023-24 SECTION-E-2 & PAGE NO.37					
	for rcc pipe gutter	2 X	95.00 X	0.75 X	0.950 =	135.375
	TOTAL QUANTITY					**135.375** Cu.M.
11	Providing and laying concrete pipes of I.S.NP. Class of 300mm diameter in proper line,level and slope including necessary collars, excavation, laying, fixingwith collars in cement mortar 1:1 and refilling the trench complete					
	SSR OF 2022-23 ITEM NO. 42.09 & PAGE NO.274					
	for rcc pipe gutter	2 X	95.00		=	190.000
	TOTAL QUANTITY					**190.000** Rg.M.
12	Refilling the trenches with available excavated stuff with soft material firs over pipe line and then hard material in15cm layers with all leads and lifts including					
	MJP SSR OF 2023-24 SECTION-E-15 & PAGE NO.40					
	reffling	2 X	95.00 X	0.75 X	0.300 =	42.750
	deduct pipe area	-2 X 0.78 X	95.00 X	0.30 X	0.300 =	-13.338
	TOTAL QUANTITY					**29.412** Sq.M.
13	Supplying **hard murum/ kankar** at the road site, including conveying and stacking complete.					
	SSR OF 2022-23 ITEM NO. 2.29 (a) & PAGE NO.28					
	for rcc pipe gutter	2 X	95.00 X	0.75 X	0.300 =	42.750
	TOTAL QUANTITY					**42.750** Cu.M.

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MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
14	Spreading **hard murum/ soft murrum/ gravel or kankar** for side width complete **SSR OF 2022-23 ITEM NO. 2.3 & PAGE NO.28** for rcc pipe gutter	2	X 95.00 X	0.75 X	0.300 =	42.750
	TOTAL QUANTITY					**42.750** Cu.M.
15	Compacting the **hard murum side widths** including laying in layers on each side **with power roller** including artificial watering etc. complete **SSR OF 2022-23 ITEM NO. 2.31 & PAGE NO.28** for rcc pipe gutter	2	X 95.00 X	0.75	=	142.500
	TOTAL QUANTITY					**142.500** Sq.M.
16	Providing and **constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W.pipes, Brick Masonry, plastering from inside and C.I. lid cover 75 kg with frame fixed in cement concrete. **SSR OF 2022-23 ITEM NO. 42.11 & PAGE NO.343**	2	X 10.00		=	20.000
	TOTAL QUANTITY					**20.000** No.
17	Providing and fixing **board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period** etc., having rectangular shape of **1.20m x 0.90m size made out 18 gauge (1.25mm) thick** mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. **SSR OF 2022-23 ITEM NO. 6.36 & PAGE NO.71**	1			=	1.000
	TOTAL QUANTITY					**1.000**

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MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
						No.
	E DSR ITEM NO. ... & PAGE NO....					
	ROYALTY QTY. FOR SAND				=	0.000
	ROYALTY QTY. FOR OTHER MIN.				=	135.380
	TOTAL QUANTITY					**135.380**
	BASIC TEST OF AGGREGATE					
	Sieve Analysis	2		Nos.	=	2.000
	Water Absorption, Specific Gravity, Impact Value, Crushing Value	4		Nos.	=	4.000
	Flakiness Index/ Elongation Index	2		Nos.	=	2.000
	CONCRETE					
	Compressive strength of C.C.Cube (Set of 3 cubes)	10		Nos.	=	10.000
	Concrete Mix Design (With all Tests on basic materials)	2		Nos.	=	2.000
	FINE AGGREGATES					
	Fineness Modulus (Sieve Analysis), Silt & Clay Content	2		Nos.	=	2.000
	Silt Factor	2		Nos.	=	2.000
	TOTAL QUANTITY					**24.000**

MAP Consultancy Services,
Consultant Engineer

Junior Engineer,
Karad Municipal Council

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVODING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT SURYAVNSHI MALA AADRSH COLONY FROM SHRI NADAB PLOT TO SHRI SAGAR SHINDE HOME,KARAD

RATE ANALYSIS.

SR.NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE

1 Excavation for **roadway in hard murum including dressing section** to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 2.13 & PAGE NO.26			**139.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-1.39
			137.61
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			6.88
ADD 1% OF LABOUR AMENITIES/CESS			1.39
TOTAL RATE Rs.			**145.88** PerCu.M.

2 Conveying **materials obtained from road cutting including all lifts, laying in layers of 20cm to 30cm. breaking clods,** dressing to the required lines, curves, grades and section, watering and compacting to not less than 97% of standard Proctor density for a lead of over 50m. to 300m. inclusive from the site of excavation to the site of deposition as

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 2.25 & PAGE NO.27			**195.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-1.95
			193.05
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			9.65
ADD 1% OF LABOUR AMENITIES/CESS			1.95
TOTAL RATE Rs.			**204.65** PerCu.M.

3 Providing **soling using 80 mm size trap metal in 15 cm.** layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 21.4 & PAGE NO.194			**1454.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-14.54
			1439.46
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			71.97
ADD LEAD CHARGES FOR SOLING	1.00000	486.83	486.83
ADD LEAD CHARGES FOR GRIT	0.15000	397.93	59.69
ADD 1% OF LABOUR AMENITIES/CESS			14.54
TOTAL RATE Rs.			**2072.49** PerCu.M.

4 Providing and laying Cast in **situ/Ready Mix cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, **with fully automatic micro processor based PLC with SCADA** enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. **With fine aggregate (Crushed sand VSI Grade)**

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 24.01 & PAGE NO.215	**5830.00**

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RATE ANALYSIS.

SR.NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
	DEDUCT Rs. 120.00 FOR NON SCADA			-120.00
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-58.30
				5651.70
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			282.59
	ADD LEAD CHARGES FOR CEMENT	0.22000	120.00	26.40
	ADD LEAD CHARGES FOR SAND	0.47000	397.93	187.03
	ADD LEAD CHARGES FOR CR METAL	0.24000	397.93	95.50
	ADD LEAD CHARGES FOR 40MM METAL CB	0.70000	381.35	266.95
	ADD 1% OF LABOUR AMENITIES/CESS			58.30
			TOTAL RATE Rs.	**6568.47** PerCu.M.
5	Providing and laying in situ **cement concrete M -30 with tremix treatment for 200 mm thickness for Concrete Road** is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and 20 mm deep with necessary refilling with bitumen (**excluding reinforcement**) with coarse and fine aggregate (natural sand/ VSI grade finely washed crushed sand) etc. complete			
	BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 5.22(a) & PAGE NO.52			**8447.00**
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-84.47
				8362.53
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			418.13
	ADD LEAD CHARGES FOR CEMENT	0.40000	120.00	48.00
	ADD LEAD CHARGES FOR SAND	0.42500	397.93	169.12
	ADD LEAD CHARGES FOR CR METAL	0.85000	397.93	338.24
	ADD 1% OF LABOUR AMENITIES/CESS			84.47
			TOTAL RATE Rs.	**9420.49** PerCu.M.
6	Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in **cement mortar 1:6 in plinth** as backing in composite masonry including bailing out water manually, striking joints, raking out joints and watering etc Complete.			
	BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 27.03 & PAGE NO.242			**7514.00**
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-75.14
				7438.86
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			371.94
	ADD LEAD CHARGES FOR CEMENT	0.07900	120.00	9.48
	ADD LEAD CHARGES FOR SAND	0.32000	397.93	127.34
	ADD LEAD CHARGES FOR BRICKS	0.47500	531.38	252.41
	ADD 1% OF LABOUR AMENITIES/CESS			75.14
			TOTAL RATE Rs.	**8275.17** PerCu.M.
7	Providing internal **cement plaster 20mm thick in single coats** in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete			
	BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 32.06 & PAGE NO.256			**375.00**
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-3.75
				371.25
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			18.56
	ADD LEAD CHARGES FOR CEMENT	0.00700	120.00	0.84
	ADD LEAD CHARGES FOR SAND	0.02500	397.93	9.95
	ADD 1% OF LABOUR AMENITIES/CESS			3.75
			TOTAL RATE Rs.	**404.35** PerSq.M.

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RATE ANALYSIS.

SR.NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE

8 Providing, laying and fixing **P.V.C. pipe of 15mm dia. with fittings such as bends, tees, reducers, clamps,** etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 42.21 & PAGE NO.344			**82.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-0.82
			81.18
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			4.06
ADD 1% OF LABOUR AMENITIES/CESS			0.82
TOTAL RATE Rs.			**86.06** PerRg.M.

9 Providing and laying **concrete pipes of I.S.NP. class of 150mm diameter** in proper line, level and slope including necessary collars, excavation, laying, fixing with collars in cement mortar 1:1 and refilling the trench complete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 42.07 & PAGE NO.342			**530.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-5.30
			524.70
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			26.24
ADD 1% OF LABOUR AMENITIES/CESS			5.30
TOTAL RATE Rs.			**556.24** PerRg.M.

10 Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc.complete.(Bd-A-2/259) Lift 0 to1.5M

MJP SSR OF 2023-24 SECTION-E-2 & PAGE NO.37			**187.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-1.87
			185.13
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			9.26
ADD 1% OF LABOUR AMENITIES/CESS			1.87
TOTAL RATE Rs.			**196.26** PerCu.M.

11 Providing and laying concrete pipes of I.S.NP. Class of 300mm diameter in proper line,level and slope including necessary collars, excavation, laying, fixingwith collars in cement mortar 1:1 and refilling the trench complete.

SSR OF 2022-23 ITEM NO. 42.09 & PAGE NO.274			**744.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-7.44
			736.56
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			36.83
ADD LEAD CHARGES FOR CEMENT	0.00600	120.00	0.72
ADD LEAD CHARGES FOR SAND	0.00900	397.93	3.58
ADD LEAD CHARGES FOR RCC PIPE 450MM NP-2	1.00000	37.77	37.77
ADD 1% OF LABOUR AMENITIES/CESS			7.44
TOTAL RATE Rs.			**822.90** PerRg.M.

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RATE ANALYSIS.

SR.NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE

12 Refilling the trenches with available excavated stuff with soft material firs over pipe line and then hard material in15cm layers with all leads and lifts including

MJP SSR OF 2023-24 SECTION-E-15 & PAGE NO.40				**92.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS				-0.92
				91.08
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)				4.55
ADD 1% OF LABOUR AMENITIES/CESS				0.92
		TOTAL RATE Rs.		**96.55** PerSq.M.

13 Supplying **hard murum/ kankar** at the road site, including conveying and stacking complete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 2.29 (a) & PAGE NO.28				**435.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS				-4.35
				430.65
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)				21.53
ADD LEAD CHARGES FOR MURUM-HARD	1.00000	252.22	252.22	
ADD 1% OF LABOUR AMENITIES/CESS				4.35
		TOTAL RATE Rs.		**708.75** PerCu.M.

14 Spreading **hard murum/ soft murrum/ gravel or kankar** for side width complete

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 2.3 & PAGE NO.28				**79.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS				-0.79
				78.21
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)				3.91
ADD 1% OF LABOUR AMENITIES/CESS				0.79
		TOTAL RATE Rs.		**82.91** PerCu.M.

15 Compacting the **hard murum side widths** including laying in layers on each side **with power roller** including artificial watering etc. complete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 2.31 & PAGE NO.28				**21.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS				-0.21
				20.79
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)				1.04
ADD 1% OF LABOUR AMENITIES/CESS				0.21
		TOTAL RATE Rs.		**22.04** PerSq.M.

16 Providing and **constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W.pipes, Brick Masonry, plastering from inside and C.I. lid cover 75 kg with frame fixed in cement concrete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 42.11 & PAGE NO.343				**14786.00** 14570.00
DEDUCT 1% OF LABOUR AMENITIES/CESS				147.86 145.70
				14638.14 14424.30
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)				731.91 721.22
ADD 1% OF LABOUR AMENITIES/CESS				147.86 145.70
		TOTAL RATE Rs.		**15517.91** PerNo.
				15291.22

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RATE ANALYSIS.

SR.NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
17	Providing and fixing **board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period** etc., having rectangular shape of **1.20m x 0.90m size made out 18 gauge (1.25mm) thick** mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete.			
	BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 6.36 & PAGE NO.71			**9963.00**
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-99.63
				9863.37
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			493.17
	ADD 1% OF LABOUR AMENITIES/CESS			99.63
	TOTAL RATE Rs.			**10456.17** PerNo.

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Consultant Engineer

Junior Engineer,
Karad Municipal Council

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVODING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT SURYAVNSHI MALA AADRSH COLONY FROM SHRI NADAB PLOT TO SHRI SAGAR SHINDE HOME,KARAD

LEAD CHART

SR.NO.	MATERIAL	TYPE OF MATERIAL	LOCATION OF QUARRY	LEAD IN KM.	LEAD CHARGES.
1	SOLING	MACHINE	shenoli	14.00	486.83
2	GRIT	MACHINE	shenoli	14.00	397.93
3	CEMENT	MANUAL	local	2.00	120.00
4	SAND	MACHINE	shenoli	14.00	397.93
5	CR METAL	MACHINE	shenoli	14.00	397.93
6	40MM METAL CB	MACHINE	shenoli	14.00	381.35
7	BRICKS	MANUAL	varunji	5.00	531.38
8	RCC PIPE 450MM NP-2	PIPE	tasavade	15.00	37.77
9	MURUM-HARD	MACHINE	karad	5.00	252.22

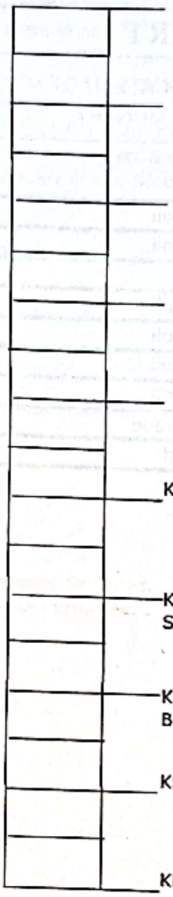
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QUARRY CHART



KM 15/000 RCC PIPE 450MM NP-2 AT tasavade

KM 14/000 AT: shenoli
SOLING, GRIT, SAND, CR METAL, 40MM METAL CB

KM 05/000 AT: varunji, karad
BRICKS, MURUM-HARD

KM 02/000 CEMENT AT local

KM 00/000 AT SITE

CERTIFICATE

Certified that I have visited the quarry sites & distance shown as lead is corrects & sufficient quantity will be available from quarry.

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OTHER MATERIAL COMPONENTS

Sr No.	Item Of Work	Quantity	SOLING		GRIT		CEMENT		SAND		CR METAL		40MM METAL CB		BRICKS		CC PIPE 450MM NP-		MURUM-HARD		20MM METAL	
			Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	Providing **soling using 80 mm size trap metal in 15 cm.** layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.	92.625	1.00000	92.625	0.15000	13.894																
	SSR OF 2022-23 ITEM NO. 21.4 & PAGE NO.194																					
2	Providing and laying Cast in **situ/Ready Mix cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including bailing out water, formwork, laying/pumping, compacting,	65.500					0.22000	14.630	0.47000	31.255	0.24000	15.960	0.70000	46.550								
	SSR OF 2022-23 ITEM NO. 24.01 & PAGE NO.215																					
3	Providing and laying in situ **cement concrete M -30 with tremix treatment for 200 mm thickness for Concrete Road** is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and	104.500					0.40000	41.800	0.42500	44.413	0.85000	88.825										
	SSR OF 2022-23 ITEM NO. 5.22(a) & PAGE NO.52																					
4	Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in **cement mortar 1:6 in plinth** as backing in composite masonry including bailing out water manually, striking joints, raking out	0.994					0.07900	0.079	0.32000	0.318					0.47500	0.472						
	SSR OF 2022-23 ITEM NO. 27.03 & PAGE NO.242																					
5	Providing internal **cement plaster 20mm thick in single coats** in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete	4.320					0.00700	0.030	0.02500	0.108												
	SSR OF 2022-23 ITEM NO. 32.06 & PAGE NO.256																					
6	Providing and laying **cement concrete pipe** of IS 458:2003 **NP-2 class of 450mm diameter** in proper line, level and slope including providing and fixing collars in cement mortar 1:2 and curing etc. complete.	190.000					0.00600	1.140	0.00900	1.710							1.00000	190.000				
	SSR OF 2022-23 ITEM NO. 11.08 & PAGE NO.98																					
7	Providing **internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish** to concrete surface in all positions including scaffolding and curing etc. complete.	29.412					0.00350	0.103	0.00760	0.224												
	SSR OF 2022-23 ITEM NO. 32.01 & PAGE NO.256																					

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Sr No.	Item Of Work	Quantity	SOLING		GRIT		CEMENT		SAND		CR METAL		40MM METAL CB		BRICKS		CC PIPE 450MM NP-		MURUM-HARD		20MM METAL	
			Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
8	Supplying **hard murum/ kankar** at the road site, including conveying and stacking complete.	42.750																	1.00000	42.750		
	SSR OF 2022-23 ITEM NO. 2.29 (B) & PAGE NO.28																					
9	Providing and **constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W.pipes, Brick Masonry, plastering	20.000					0.17650	3.530	0.54000	10.800					0.52700	10.540					0.30000	6.000
	SSR OF 2022-23 ITEM NO. 42.11 & PAGE NO.343																					
	TOTAL:			92.625		13.894		61.312		88.827		104.785		46.550		11.012		190.000		42.750		6.000

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVODING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT SURYAVNSHI MALA AADRSH COLONY FROM SHRI NADAB PLOT TO SHRI SAGAR SHINDE HOME,KARAD

FREQUNCY CHART

Sr. No.	Material	Qty.	Unit	Tests	Frequency	No. of Test
1	BASIC TEST OF AGGREGATE	110.243	Nos.	Sieve Analysis	1 TEST/100 Cu.M.	2
2	BASIC TEST OF AGGREGATE	367.601	Nos.	Water Absorption, Specific Gravity, Impact Value, Crushing Value	1 TEST/100 Cu.M.	4
3	BASIC TEST OF AGGREGATE	110.243	Nos.	Flakiness Index/ Elongation Index	1 TEST/100 Cu.M.	2
4	CONCRETE	411.183	Nos.	Compressive strength of C.C.Cube (Set of 3 cubes)	1 TEST/0 Cu.M.	10
5	CONCRETE	411.183	Nos.	Concrete Mix Design (With all Tests on basic materials)	1 TEST/100 Cu.M.	2
6	FINE AGGREGATES	193.074	Nos.	Fineness Modulus (Sieve Analysis), Silt & Clay Content	1 TEST/100 Cu.M.	2
7	FINE AGGREGATES	193.074	Nos.	Silt Factor	1 TEST/100 Cu.M.	2

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVODING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT SURYAVNSHI MALA AADRSH COLONY FROM SHRI NADAB PLOT TO SHRI SAGAR SHINDE HOME,KARAD

ROYALTY STATEMENT

Sr No.	Item Of Work	Quantity	UNIT	NATURAL SAND		OTHER MINERALS	
				Factor	Qty.	Factor	Qty.
1	2	3	4	5	6	7	8
1	Providing **soling using 80 mm size trap metal in 15 cm.** layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.	92.625	Cu.M.			1.00000	92.630
2	Providing and laying Cast in **situ/Ready Mix cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including bailing out	66.500	Cu.M.	0.47000	31.260		
3	Providing and laying in situ **cement concrete M -30 with tremix treatment for 200 mm thickness for Concrete Road** is including laying plastic sheet for 125	104.500	Cu.M.	0.42500	44.410		
4	Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in **cement mortar 1:6 in plinth** as backing in composite masonry including bailing	0.994	Cu.M.	0.32000	0.320		
5	Providing internal **cement plaster 20mm thick in single coats** in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including	4.320	Cu.M.	0.02500	0.110		
6	Providing and laying **cement concrete pipe** of IS 458:2003 **NP-2 class of 450mm diameter** in proper line, level and slope including providing and fixing collars	190.000	Cu.M.	0.00900	1.710		
7	Providing **internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish** to concrete surface in all positions including	29.412	Cu.M.	0.00760	0.220		
8	Supplying **hard murum/ kankar** at the road site, including conveying and stacking complete.	42.750	Cu.M.			1.00000	42.750
9	Providing and **constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete	20.000	Cu.M.	0.54000	10.800		

Total Qty. in Cubic Metre:	**0.000**	**135.380**
Rate INR.	**0.000**	**216.180**
Total Amount INR.	**0.000**	**29266.000**
Grand Total Amount INR.		**29266.000**

Notes:

1] Royalty charges for Natural Sand. Rate inclusive of surcharges of 2% + Mineral Foundation 10% [0 + 0 + 0 = 0]

2] Royalty charges for Other Minerals. Rate inclusive of surcharges of 2% = [0 + 0 = 0]

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Karad Municipal Council

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CC PIPE SAGAR

NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVODING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT SURYAVNSHI MALA AADRSH COLONY FROM SHRI NADAB PLOT TO SHRI SAGAR SHINDE HOME,KARAD

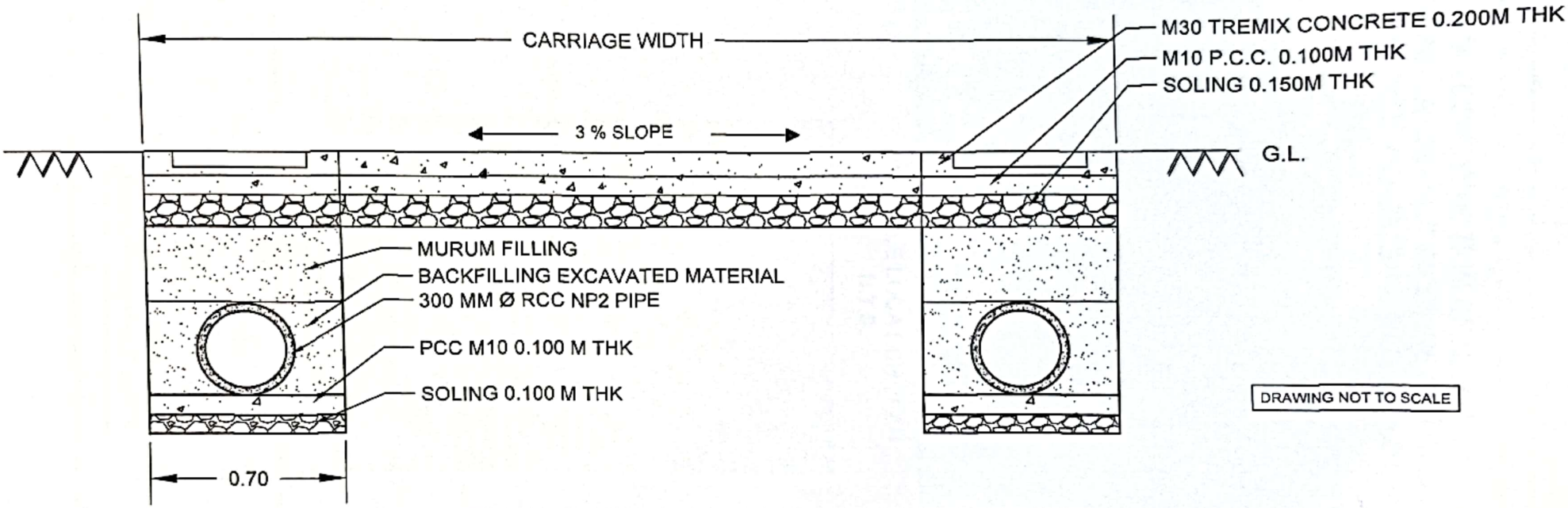
MATERIAL SUMMARY

SR.NO.	MATERIAL	TOTAL QUANTITY	QUANTITY OF ROYALTY	REMARKS
1	SOLING	92.625	92.625	
2	GRIT	13.894	-	
3	CEMENT	61.312	-	
4	SAND	88.827	88.827	
5	CR METAL	104.785	-	
6	40MM METAL CB	46.550	-	
7	BRICKS	11.012	-	
8	RCC PIPE 450MM NP-2	190.000	-	
9	MURUM-HARD	42.750	42.750	
10	20MM METAL	6.000	-	

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TYPICAL CROSS SECTION OF CC ROAD & RCC PIPE DRAIN

NAME OF WORK -
CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVODING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT SURYAVNSHI MALA AADRSH COLONY FROM SHRI NADAB PLOT TO SHRI SAGAR SHINDE HOME,KARAD

CONSULTING ENGINEER
KARAD MUNICIPAL COUNCIL

MUNICIPAL ENGINEER
KARAD MUNICIPAL COUNCIL

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NAME OF WORK - CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVODING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT SURYAVNSHI MALA AADRSH COLONY FROM SHRI NADAB PLOT TO SHRI SAGAR SHINDE HOME,KARAD



GOOGLE LOCATION PLAN
N.T.S.



GPS TAGGING PHOTO

CONSULTING ENGINEER KARAD MUNICIPAL COUNCIL	JUNIOR ENGINEER KARAD MUNICIPAL COUNCIL	MUNICIPAL ENGINEER KARAD MUNICIPAL COUNCIL

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महाराष्ट्र जीवन प्राधिकरण

महाराष्ट्र जीवन प्राधिकरण
विभाग कराड ४१५११०

फोन (वै) व दुरमुद्रण (02164) 229946
Email—eemjpkarad1@gmail.com

जा. क्र. मजीप्रा / तांशा / ता.मं./१३६५ /२०२५ दि. ३१/१०/२०२५

प्रति,
मुख्याधिकारी,
कराड नगरपरिषद,कराड

विषय:- कराड नगरपरिषद कराड लोकशाहीर आण्णाभाऊ साठे नागरी वस्ती सुधार योजना सन २०२५- रेव्हिन्यू कॉलनी मधील गल्ली नं.१ ते गल्ली नं. ९ पर्यंत अंतर्गत रस्ते कॉक्रीटीकरण करणे व बंदिस्त पाईप गटर करणे कामाच्या अंदाजपत्रकाची तांत्रिक मंजूरी बाबत.

संदर्भ:- आपले पत्र क्र./ नपा/कावि/बांध/ ५०३६ दि. १७ / १०/ २०२५

वरील संदर्भिय पत्रानुसार तसेच या कार्यालयातील झालेल्या छाननीप्रमाणे आपण सादर केलेल्या अंदाजपत्रकास खालील अटी / शर्तीस अधीन राहून सर्वसाधारण तांत्रिक मान्यता देणेत येत आहे.

अ.क्र.	कामाचे नांव	रक्कम रुपये
१.	कराड नगरपरिषद रेव्हिन्यू कॉलनी मधील गल्ली नं.१ ते गल्ली नं. ९ पर्यंत अंतर्गत रस्ते कॉक्रीटीकरण करणे व बंदिस्त पाईप गटर करणे.	७६,५४,०२१/-
	एकूण रु.	**७६,५४,०२१/-**

अटी/शर्ती

1. वरील कामासाठीच्या अंदाजपत्रकास या विभागाकडील नमुना नं. ८५ बाब क्र. ५८ माहे ऑक्टोबर २०२५ नुसार रक्कम रु. ७६,५४,०२१/- या अंदापजत्रकीय किंमतीस सर्व साधारण तांत्रिक मान्यता देणेत येत आहे.
2. तांत्रिक मान्यता शुल्क रु. ७६,५४०/- इतके होत आहे. या कामासाठी शुल्क रु. ७६,७६६/- हे ॲक्सिस बँक शाखा, शाखा कराड NEFT UTR क्र. NEFT/SK/AXSK 253040012168 1/8 दि.३१/१०/२०२५ ने या विभागास प्राप्त झाले आहे.
3. सदर अंदाजपत्रकातील सर्व कामे सार्वजनिक बांधकाम खात्याच्या स्पेसिफिकेशन व प्रचलित नियमानुसार करणेचे आहे. प्रत्यक्ष काम करताना स्पेसिफिकेशनच्या अटींची पुर्तता न झालेस व

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त्यामुळे कामाची प्रत / दर्जा कमी झाल्यास याची सर्व जबाबदारी संबंधित कराड नगरपरिषदची राहील.

4. वरील कामे करताना कायदेशीर बाबी उद्भवल्यास त्याचे संपूर्ण निराकरण कराड नगरपरिषदने स्वत: करणेची आहे.
5. साहित्य वाहतुक अंतरे अंदाजपत्रकात / दरपृथ्थकरणात नमुद केलेली ही सर्वात जवळील ठिकाणी गृहित धरलेली आहेत, प्रत्यक्षात कामे करताना कमी अंतरावरुन साहित्य उपलब्ध झालेस ते वापरणेचे असून त्याप्रमाणे संबंधीत बाबींच्या दरामध्ये नियमाप्रमाणे योग्य ते फेरबदल करावेत.
6. प्रत्यक्ष झालेल्या कामाच्या परिमाणानुसारच मोजमापे देणेची आहेत. व ही मोजमापे सार्वजनिक बांधकाम खात्याच्या मापदंडानुसारच घेणे बंधनकारक राहील.
7. प्रस्तावित कामे विविध शासकीय अनुदानातुन घ्यावयाची असल्यास अशी कामे त्या योजना संबंधिचे निकषानुसार व मापदंडानुसार अनुज्ञेय असणारीच कामे करणे कराड नगरपरिषदेस बंधनकारक राहील.
8. सदर कामाच्या निविदा मागविताना दर सूचीतील वर्णनानुसार बाबींचे संपूर्ण वर्णन निविदेमध्ये नमूद करणे आवश्यक आहे. शासनाच्या प्रचलित नियमाप्रमाणे ई-निविदा कार्यवाही करणेची जबाबदारी कराड नगरपरिषदची राहील.
9. प्रस्तावित कामांना तांत्रिक मान्यता दिलेनंतर सदरचा प्रस्ताव रद्द केल्यास त्याची तपासणी शुल्क परत दिले जाणार नाही.
10. सदरची कामे हाती घेण्यापूर्वी कामाशी संबंधीत सर्व खात्याची/ समितींची (सार्वजनिक बांधकाम / नगररचना/आरोग्य/ वाहतुक/ पोलिस) इ. बाबतची मान्यता घेणेची जबाबदारी कराड नगरपरिषदची राहील.
11. अंदाजपत्रकामध्ये नियमाप्रमाणे GST तरतुद धरणेत आलेली आहे.कामासाठी वापरण्यात येणाऱ्या भू-खनिजाचे स्वामित्व (Royalty) ठेकेदाराकडून शासनाकडे भरणेची जबाबदारी कराड नगरपरिषदची राहील.
12. अंदाजपत्रकातील मोजमापे व प्रत्यक्षातील मोजमापे यामध्ये तफावत आढळत असल्यास प्रत्यक्षातील मोजमापाप्रमाणे देयकाबाबतची कार्यवाही करण्यात यावी. प्रत्यक्षातील मोपमापाप्रमाणे उद्भवणाऱ्या बदलाप्रमाणे आवश्यकतेप्रमाणे अंदाजपत्रक तांत्रिक मंजूरीसाठी फेरसादर करण्यात यावे.
13. कामाचा दर्जा व गुणवत्ता याबाबतची खातरजमा कराड नगरपरिषदमार्फत आपल्या स्तरावर करणेत यावी.
14. शासन निर्णय दिनांक २८/०३/२०१८ नुसार रूपये १० लक्ष पेक्षा जास्त रक्कमेच्या कामाचे लेखापरिक्षण करून घेणे बंधनकारक राहील.
15. सदर कामासाठी विविध खात्यांच्या परवानग्या तसेच समंती घेणेची जबाबदारी आपली राहील. याबबात ही कार्यालय जबाबदार राहणार नाही.

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16. वरील काम करताना माहिती अधिकार, कायदेशीर बाबी उद्भवल्यास त्याचे संपूर्ण निराकरण करणेची जबाबदारी कराड नगरपरिषदंची राहील.

17. या कामासाठी प्रत्यक्ष काम करीत असताना निधी वितरणामधील अटी व शर्तीचे पालन करण्याची व निधीचा योग्य विनियोग होत असल्याची तसेच मंजुरीप्रमाणे काम करण्याची दक्षता घेण्याची जबाबदारी आपले कार्यालयाची राहील.

18. सदर कराड नगरपरिषद रेल्वे कॉलनी मधील गल्ली नं.१ ते ६ पर्यंत अंतर्गत रस्ते काँक्रीटीकरण व चेंबर्स पाईप गटर करणे या कामासाठी कराड नगरपरिषद सर्वसाधारणसभा ठराव क्र.२४० दि. ०८/०९/२०२५ पारित केला आहे सदर ठराव कराड नगरपरिषदने सोबत सादर केला आहे. सदर पारित ठरावानुसार सदर कामास तांत्रिक मंजुरी देणेत येत आहे.

सोबत - मंजूर अंदाजपत्रक-१ प्रतीत

कार्यकारी अभियंता,
मजीप्रा विभाग, कराड

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GOVERNMENT OF MAHARASHTRA

KARAD NAGARPARISHAD, KARAD

ESTIMATE

*** NAME OF WORK ***

CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT REVENUE COLONY INTERNAL ROAD GALLY NO.1 TO GALLY NO.9,KARAD

ESTIMATE COST :- ₹ 76.77 LAKHS

ADOPTED SOR OF 2017-18

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROA
PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT R
COLONY INTERNAL ROAD GALLY NO.1 TO GALLY NO.9,KARAD

GENERAL ABSTRACT

(A)	**COST OF WORK PORTION**	Rs. 5949964	5960408.00
(B)	**COST OF ROYALTY & Q.C.TESTING CHARGES**	Rs.	134302.00
	TOTAL (A+B)	Rs. 6084266	6094710.00
	1) ADD 18% FOR GOODS AND SERVICES TAX ON [A]	Rs. 1070994.00	1072873.00
	2) ADD 1% FOR LABOUR INSURANCE ON [A]	Rs. 59500.00	59604.00
	3) ADD 1.1 1.18% FOR TECHANICAL SANCTION FEE ON [A]	Rs. 60843.00	70333.00
	4) ADD 2.18% FOR PMC CHARGES ON [A]	Rs. 129709.00	129937.00
	5) ADD 1.18% FOR THIRD PARTY INSPECTION CHARGES	Rs. 70210.00	70333.00
	6) ADD 3% FOR CONTENGENCY ON [A]	Rs. 178499.00	178812.00
	GRAND TOTAL	Rs. 7654021/-	7676602.00

MAP Consultancy Services,
Consultant Engineer

Junior Engineer,
Karad Municipal Council

Municipal Engineer,
Karad Municipal Council

Chief Officer,
Karad Municipal Council

Technically Sanctioned to Rs. 76,54,021/-
(Rs. Seventy six lakhs fifty four thousands twenty one only.)
Form No.85, Item No. 58
Month- October Year- 2025

( )
Executive Engineer,
Maharashtra Jeevan Pradhikaran,
Division, Karad

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT REVENUE COLONY INTERNAL ROAD GALLY NO.1 TO GALLY NO.9,KARAD

ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
	[A] WORK PORTION.				
1	Excavation for **roadway in hard murum including dressing section** to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed MORTH 301 **SSR OF 2022-23 ITEM NO. 2.13 & PAGE NO.26 BASIC RATE**	688.340	145.88 Cu.M.		100415.00
2	Conveying **materials obtained from road cutting including all lifts, laying in layers of 20cm to 30cm. breaking clods,** dressing to the required lines, curves, grades and section, watering and compacting to not less than 97% of standard Proctor density for a lead of over 50m. to 300m. inclusive from the site of excavation to the site of deposition as directed. MORTH 305 **SSR OF 2022-23 ITEM NO. 2.25 & PAGE NO.27 BASIC RATE**	908.747	204.65 Cu.M.		185975.00
3	Providing **soling using 80 mm size trap metal in 15 cm.** layer including filling voids with Crushed sand/grit, ramming, watering etc. complete. As directed by Engineer in charge. **SSR OF 2022-23 ITEM NO. 21.4 & PAGE NO.194 RATE ANALYSIS**	288.368	2072.49 Cu.M.		597640.00
4	Providing and laying Cast in **situ/Ready Mix cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, **with fully automatic micro processor based PLC with SCADA** enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. **With fine aggregate (Crushed sand VSI Grade)** Bd. E. 1 Page No. 287 **SSR OF 2022-23 ITEM NO. 24.01 & PAGE NO.215 RATE ANALYSIS**	202.325	6568.47 Cu.M.		1328966.00
5	Providing and laying in situ **cement concrete M - 30 with tremix treatment for 200 mm thickness for Concrete Road** is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and 20 mm deep with necessary refilling with bitumen (**excluding reinforcement**) with coarse and fine aggregate (natural sand/ VSI grade finely washed crushed MORTH 602 **SSR OF 2022-23 ITEM NO. 5.22(a) & PAGE NO.52 RATE ANALYSIS**	258.128	9419.44 9420.49 Cu.M.		2431421.00 2431692.00

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ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
6	Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in **cement mortar 1:6 in plinth** as backing in composite masonry including bailing out water manually, striking joints, raking out joints and watering etc Complete Bd.G.3 Page No. 314 **SSR OF 2022-23 ITEM NO. 27.03 & PAGE NO.242 RATE ANALYSIS**	5.216	8275.17 Cu.M.		43163.00
7	Providing internal **cement plaster 20mm thick in single coats** in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete Bd.L.4 Page No. 368 **SSR OF 2022-23 ITEM NO. 32.06 & PAGE NO.256 RATE ANALYSIS**	22.680	404.35 Sq.M.		9171.00
8	Providing, laying and fixing **P.V.C. pipe of 15mm dia. with fittings such as bends, tees, reducers, clamps,** etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete. As directed by Engineer in charge. **SSR OF 2022-23 ITEM NO. 42.21 & PAGE NO.344 BASIC RATE**	90.000	86.06 Rg.M.		7745.00
9	Providing and laying **concrete pipes of I.S.NP. class of 150mm diameter** in proper line, level and slope including necessary collars, excavation, laying, fixing with collars in cement mortar 1:1 and refilling the trench complete. Bd.V.41, Page No. 573 **SSR OF 2022-23 ITEM NO. 42.07 & PAGE NO.342 BASIC RATE**	90.000	556.24 Rg.M.		50062.00
10	Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc.complete.(Bd-A-2/259) Lift 0 to1.5M Bd.A.1 Page No. 259 **MJP SSR OF 2023-24 SECTION-E-2 & PAGE NO.37 BASIC RATE**	287.280	196.35 196.26 Cu.M.		56407.40 56382.00
11	Providing and laying concrete pipes of I.S.NP. Class of 300mm diameter in proper line,level and slope including necessary collars, excavation, laying, fixingwith collars in cement mortar 1:1 and refilling the trench complete. CD.7 Page.No. 162 **SSR OF 2022-23 ITEM NO. 42.09 & PAGE NO.274 RATE ANALYSIS**	432.000	822.90 Rg.M.		355493.00
12	Refilling the trenches with available excavated stuff with soft material firs over pipe line and then hard material in15cm layers with all leads and lifts including				

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ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
	MJP SSR OF 2023-24 SECTION-E-15 & PAGE NO.40 **RATE ANALYSIS**	66.873	96.55	Sq.M.	6457.00
13	Supplying **hard murum/ kankar** at the road site, including conveying and stacking complete. MORTH 408 **SSR OF 2022-23 ITEM NO. 2.29 (a) & PAGE NO.28** **RATE ANALYSIS**	90.720	708.75	Cu.M.	64298.00
14	Spreading **hard murum/ soft murrum/ gravel or kankar** for side width complete MORTH 408 **SSR OF 2022-23 ITEM NO. 2.3 & PAGE NO.28** **BASIC RATE**	90.720	82.91	Cu.M.	7522.00
15	Compacting the **hard murum side widths** including laying in layers on each side **with power roller** including artificial watering etc. complete. MORTH 408 **SSR OF 2022-23 ITEM NO. 2.31 & PAGE NO.28** **BASIC RATE**	302.400	22.04	Sq.M.	6665.00
16	Providing and **constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W.pipes, Brick Masonry, plastering from inside and C.I. lid cover 75 kg with frame fixed in cement concrete. Bd.V.43 Page No. 574 **SSR OF 2022-23 ITEM NO. 42.11 & PAGE NO.343** **BASIC RATE**	45.000	15517.91	No.	698306.00
17	Providing and fixing **board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period** etc., having rectangular shape of **1.20m x 0.90m size made out 18 gauge (1.25mm) thick** mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete. MORTH 801 & As directed by Engineer in Charge **SSR OF 2022-23 ITEM NO. 6.36 & PAGE NO.71** **BASIC RATE**	1.000	10456.17	No.	10456.00
				TOTAL(A) Rs.	**5960408.00**

[B] Royalty Charges & Testing Charges.

E DSR ITEM NO. ... & PAGE NO....

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ABSTRACT

SR. NO.	DESCRIPTION OF ITEM	QUANTITY	RATE	UNIT	TOTAL AMOUNT
	ROYALTY CHARGES FOR SAND	0.000	0.00		0.00
	ROYALTY CHARGES FOR OTHER MINERALS	379.090	216.18		81952.00
	BASIC TEST OF AGGREGATE				
	Sieve Analysis	2.000	690.00	Nos.	1380.00
	Water Absorption, Specific Gravity, Impact Value, Crushing Value	4.000	2600.00	Nos.	10400.00
	Flakiness Index/ Elongation Index	2.000	850.00	Nos.	1700.00
	CONCRETE				
	Compressive strength of C.C.Cube (Set of 3 cubes)	10.000	690.00	Nos.	6900.00
	Concrete Mix Design (With all Tests on basic materials)	2.000	13755.00	Nos.	27510.00
	FINE AGGREGATES				
	Fineness Modulus (Sieve Analysis), Silt & Clay Content	2.000	1380.00	Nos.	2760.00
	Silt Factor	2.000	850.00	Nos.	1700.00
			TOTAL(B) Rs.		**134302.00**
			TOTAL(A+B) Rs.		**6094710.00**

6084266.00

MAP Consultancy Services,
Consultant Engineer

Junior Engineer,
Karad Municipal Council

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT REVENUE COLONY INTERNAL ROAD GALLY NO.1 TO GALLY NO.9,KARAD

MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
1	Excavation for **roadway in hard murum including dressing section** to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed.					
	SSR OF 2022-23 ITEM NO. 2.13 & PAGE NO.26					
	(galli no. 9) rajlaxmi home to bhosale home	1	X 44.00	X 3.00	X 0.400 =	52.800
	galli no. 8 avde home to shakil bagvan home	1	X 50.00	X 4.00	X 0.400 =	80.000
	galli no. 7 chandulal sheth to rajgruh home	1	X 50.00	X 4.00	X 0.400 =	80.000
	galli no. 6 sachin surve home to misar khatib h	1	X 63.00	X 4.00	X 0.400 =	100.800
	galli no. 5 altaf kirana to mazid	1	X 27.00	X 6.00	X 0.400 =	64.800
	galli no 4 mashaalha home to namband home	1	X 50.00	X 4.20	X 0.400 =	84.000
	galli no. 3 bagwan home to asangi home	1	X 49.00	X 4.00	X 0.400 =	78.400
	galli no. 2 husen bagwan home to sikandar hor	1	X 48.00	X 3.70	X 0.400 =	71.040
	galli no.1 latib shekh home to aslam shekh hor	1	X 51.00	X 3.75	X 0.400 =	76.500
	TOTAL QUANTITY					**688.340** Cu.M.
2	Conveying **materials obtained from road cutting including all lifts, laying in layers of 20cm to 30cm. breaking clods,** dressing to the required lines, curves, grades and section, watering and compacting to not less than 97% of standard Proctor density for a lead of over 50m. to 300m. inclusive from the site of excavation to the site of deposition as directed.					
	SSR OF 2022-23 ITEM NO. 2.25 & PAGE NO.27					
	(galli no. 9) rajlaxmi home to bhosale home	1	X 44.00	X 3.00	X 0.400 =	52.800
	galli no. 8 avde home to shakil bagvan home	1	X 50.00	X 4.00	X 0.400 =	80.000
	galli no. 7 chandulal sheth to rajgruh home	1	X 50.00	X 4.00	X 0.400 =	80.000
	galli no. 6 sachin surve home to misar khatib h	1	X 63.00	X 4.00	X 0.400 =	100.800
	galli no. 5 altaf kirana to mazid	1	X 27.00	X 6.00	X 0.400 =	64.800
	galli no 4 mashaalha home to namband home	1	X 50.00	X 4.20	X 0.400 =	84.000
	galli no. 3 bagwan home to asangi home	1	X 49.00	X 4.00	X 0.400 =	78.400
	galli no. 2 husen bagwan home to sikandar hor	1	X 48.00	X 3.70	X 0.400 =	71.040
	galli no.1 latib shekh home to aslam shekh hor	1	X 51.00	X 3.75	X 0.400 =	76.500
	for rcc pipe gutter					
	(galli no. 9) rajlaxmi home to bhosale home	1	X 44.00	X 0.70	X 0.950 =	29.260
	galli no. 8 avde home to shakil bagvan home	1	X 50.00	X 0.70	X 0.950 =	33.250
	galli no. 7 chandulal sheth to rajgruh home	1	X 50.00	X 0.70	X 0.950 =	33.250
	galli no. 6 sachin surve home to misar khatib h	1	X 63.00	X 0.70	X 0.950 =	41.895
	galli no. 5 altaf kirana to mazid	1	X 27.00	X 0.70	X 0.950 =	17.955

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MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.		L	B	D	QUANTITY
	galli no 4 mashaalha home to namband home	1	X	50.00 X	0.70 X	0.950 =	33.250
	galli no. 3 bagwan home to asangi home	1	X	49.00 X	0.70 X	0.950 =	32.585
	galli no. 2 husen bagwan home to sikandar hor	1	X	48.00 X	0.70 X	0.950 =	31.920
	galli no.1 latib shekh home to aslam shekh hor	1	X	51.00 X	0.70 X	0.950 =	33.915
	DEDUCT REFILLING QNTY AS PER ITEM 12	1	X	-66.87		=	-66.873
				TOTAL QUANTITY			**908.747** Cu.M.
3	Providing **soling using 80 mm size trap metal in 15 cm.** layer including filling voids with Crushed sand/grit, ramming, watering etc. complete						
	SSR OF 2022-23 ITEM NO. 21.4 & PAGE NO.194						
	(galli no. 9) rajlaxmi home to bhosale home	1	X	44.00 X	3.00 X	0.150 =	19.800
	galli no. 8 avde home to shakil bagvan home	1	X	50.00 X	4.00 X	0.150 =	30.000
	galli no. 7 chandulal sheth to rajgruh home	1	X	50.00 X	4.00 X	0.150 =	30.000
	galli no. 6 sachin surve home to misar khatib h	1	X	63.00 X	4.00 X	0.150 =	37.800
	galli no. 5 altaf kirana to mazid	1	X	27.00 X	6.00 X	0.150 =	24.300
	galli no 4 mashaalha home to namband home	1	X	50.00 X	4.20 X	0.150 =	31.500
	galli no. 3 bagwan home to asangi home	1	X	49.00 X	4.00 X	0.150 =	29.400
	galli no. 2 husen bagwan home to sikandar hor	1	X	48.00 X	3.70 X	0.150 =	26.640
	galli no.1 latib shekh home to aslam shekh hor	1	X	51.00 X	3.75 X	0.150 =	28.688
	for rcc pipe gutter						
	(galli no. 9) rajlaxmi home to bhosale home	1	X	44.00 X	0.70 X	0.100 =	3.080
	galli no. 8 avde home to shakil bagvan home	1	X	50.00 X	0.70 X	0.100 =	3.500
	galli no. 7 chandulal sheth to rajgruh home	1	X	50.00 X	0.70 X	0.100 =	3.500
	galli no. 6 sachin surve home to misar khatib h	1	X	63.00 X	0.70 X	0.100 =	4.410
	galli no. 5 altaf kirana to mazid	1	X	27.00 X	0.70 X	0.100 =	1.890
	galli no 4 mashaalha home to namband home	1	X	50.00 X	0.70 X	0.100 =	3.500
	galli no. 3 bagwan home to asangi home	1	X	49.00 X	0.70 X	0.100 =	3.430
	galli no. 2 husen bagwan home to sikandar hor	1	X	48.00 X	0.70 X	0.100 =	3.360
	galli no.1 latib shekh home to aslam shekh hor	1	X	51.00 X	0.70 X	0.100 =	3.570
				TOTAL QUANTITY			**288.368** Cu.M.
4	Providing and laying Cast in **situ/Ready Mix cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, **with fully automatic micro processor based PLC with SCADA** enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. **With fine aggregate (Crushed sand VSI Grade)**						
	SSR OF 2022-23 ITEM NO. 24.01 & PAGE NO.215						
	(galli no. 9) rajlaxmi home to bhosale home	1	X	44.00 X	3.00 X	0.100 =	13.200
	galli no. 8 avde home to shakil bagvan home	1	X	50.00 X	4.00 X	0.100 =	20.000

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MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
	galli no. 7 chandulal sheth to rajgruh home	1	X 50.00 X	4.00 X	0.100 =	20.000
	galli no. 6 sachin surve home to misar khatib h	1	X 63.00 X	4.00 X	0.100 =	25.200
	galli no. 5 altaf kirana to mazid	1	X 27.00 X	6.00 X	0.100 =	16.200
	galli no 4 mashaalha home to namband home	1	X 50.00 X	4.20 X	0.100 =	21.000
	galli no. 3 bagwan home to asangi home	1	X 49.00 X	4.00 X	0.100 =	19.600
	galli no. 2 husen bagwan home to sikandar hor	1	X 48.00 X	3.70 X	0.100 =	17.760
	galli no.1 latib shekh home to aslam shekh hor	1	X 51.00 X	3.75 X	0.100 =	19.125
	for rcc pipe gutter					
	(galli no. 9) rajlaxmi home to bhosale home	1	X 44.00 X	0.70 X	0.100 =	3.080
	galli no. 8 avde home to shakil bagvan home	1	X 50.00 X	0.70 X	0.100 =	3.500
	galli no. 7 chandulal sheth to rajgruh home	1	X 50.00 X	0.70 X	0.100 =	3.500
	galli no. 6 sachin surve home to misar khatib h	1	X 63.00 X	0.70 X	0.100 =	4.410
	galli no. 5 altaf kirana to mazid	1	X 27.00 X	0.70 X	0.100 =	1.890
	galli no 4 mashaalha home to namband home	1	X 50.00 X	0.70 X	0.100 =	3.500
	galli no. 3 bagwan home to asangi home	1	X 49.00 X	0.70 X	0.100 =	3.430
	galli no. 2 husen bagwan home to sikandar hor	1	X 48.00 X	0.70 X	0.100 =	3.360
	galli no.1 latib shekh home to aslam shekh hor	1	X 51.00 X	0.70 X	0.100 =	3.570
	TOTAL QUANTITY					**202.325** Cu.M.
5	Providing and laying in situ **cement concrete M -30 with tremix treatment for 200 mm thickness for Concrete Road** is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and 20 mm deep with necessary refilling with bitumen (**excluding reinforcement**) with coarse and fine aggregate (natural sand/ VSI grade finely washed crushed sand) etc. complete					
	SSR OF 2022-23 ITEM NO. 5.22(a) & PAGE NO.52					
	(galli no. 9) rajlaxmi home to bhosale home	1	X 44.00 X	3.00 X	0.150 =	19.800
	galli no. 8 avde home to shakil bagvan home	1	X 50.00 X	4.00 X	0.150 =	30.000
	galli no. 7 chandulal sheth to rajgruh home	1	X 50.00 X	4.00 X	0.150 =	30.000
	galli no. 6 sachin surve home to misar khatib h	1	X 63.00 X	4.00 X	0.150 =	37.800
	galli no. 5 altaf kirana to mazid	1	X 27.00 X	6.00 X	0.150 =	24.300
	galli no 4 mashaalha home to namband home	1	X 50.00 X	4.20 X	0.150 =	31.500
	galli no. 3 bagwan home to asangi home	1	X 49.00 X	4.00 X	0.150 =	29.400
	galli no. 2 husen bagwan home to sikandar hor	1	X 48.00 X	3.70 X	0.150 =	26.640
	galli no.1 latib shekh home to aslam shekh hor	1	X 51.00 X	3.75 X	0.150 =	28.688
	TOTAL QUANTITY					**258.128** Cu.M.
6	Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in **cement mortar 1:6 in plinth** as backing in composite masonry including bailing out water manually, striking joints, raking out joints and watering etc Complete.					
	SSR OF 2022-23 ITEM NO. 27.03 & PAGE NO.242					

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MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
	reparing chember	21 X 4 X	0.60 X	0.23 X	0.450 =	5.216
		TOTAL QUANTITY				**5.216** Cu.M.
7	Providing internal **cement plaster 20mm thick in single coats** in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete					
	SSR OF 2022-23 ITEM NO. 32.06 & PAGE NO.256 reparing chember	21 X 4 X	0.60	X	0.450 =	22.680
		TOTAL QUANTITY				**22.680** Sq.M.
8	Providing, laying and fixing **P.V.C. pipe of 15mm dia. with fittings such as bends, tees, reducers, clamps,** etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.					
	SSR OF 2022-23 ITEM NO. 42.21 & PAGE NO.344 reparing pipe line	9 X	10.00		=	90.000
		TOTAL QUANTITY				**90.000** Rg.M.
9	Providing and laying **concrete pipes of I.S.NP. class of 150mm diameter** in proper line, level and slope including necessary collars, excavation, laying, fixing with collars in cement mortar 1:1 and refilling the trench complete					
	SSR OF 2022-23 ITEM NO. 42.07 & PAGE NO.342 reparing drainage line	9 X	10.00		=	90.000
		TOTAL QUANTITY				**90.000** Rg.M.
10	Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc.complete.(Bd-A-2/259) Lift 0 to1.5M					
	MJP SSR OF 2023-24 SECTION-E-2 & PAGE NO.37					
	for rcc pipe gutter					
	(galli no. 9) rajlaxmi home to bhosale home	1 X	44.00 X	0.70 X	0.950 =	29.260
	galli no. 8 avde home to shakil bagvan home	1 X	50.00 X	0.70 X	0.950 =	33.250
	galli no. 7 chandulal sheth to rajgruh home	1 X	50.00 X	0.70 X	0.950 =	33.250
	galli no. 6 sachin surve home to misar khatib h	1 X	63.00 X	0.70 X	0.950 =	41.895
	galli no. 5 altaf kirana to mazid	1 X	27.00 X	0.70 X	0.950 =	17.955

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MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.		L		B		D		QUANTITY
	galli no 4 mashaalha home to namband home	1	X	50.00	X	0.70	X	0.950	=	33.250
	galli no. 3 bagwan home to asangi home	1	X	49.00	X	0.70	X	0.950	=	32.585
	galli no. 2 husen bagwan home to sikandar hor	1	X	48.00	X	0.70	X	0.950	=	31.920
	galli no.1 latib shekh home to aslam shekh hor	1	X	51.00	X	0.70	X	0.950	=	33.915
		TOTAL QUANTITY								**287.280**
										Cu.M.
11	Providing and laying concrete pipes of I.S.NP. Class of 300mm diameter in proper line,level and slope including necessary collars, excavation, laying, fixingwith collars in cement mortar 1:1 and refilling the trench complete									
	SSR OF 2022-23 ITEM NO. 42.09 & PAGE NO.274									
	for rcc pipe gutter									
	(galli no. 9) rajlaxmi home to bhosale home	1	X	44.00					=	44.000
	galli no. 8 avde home to shakil bagvan home	1	X	50.00					=	50.000
	galli no. 7 chandulal sheth to rajgruh home	1	X	50.00					=	50.000
	galli no. 6 sachin surve home to misar khatib h	1	X	63.00					=	63.000
	galli no. 5 altaf kirana to mazid	1	X	27.00					=	27.000
	galli no 4 mashaalha home to namband home	1	X	50.00					=	50.000
	galli no. 3 bagwan home to asangi home	1	X	49.00					=	49.000
	galli no. 2 husen bagwan home to sikandar hor	1	X	48.00					=	48.000
	galli no.1 latib shekh home to aslam shekh hor	1	X	51.00					=	51.000
		TOTAL QUANTITY								**432.000**
										Rg.M.
12	Refilling the trenches with available excavated stuff with soft material firs over pipe line and then hard material in15cm layers with all leads and lifts including									
	MJP SSR OF 2023-24 SECTION-E-15 & PAGE NO.40									
	REFILLING EXCAVATED MATERIAL									
	(galli no. 9) rajlaxmi home to bhosale home	1	X	44.00	X	0.75	X	0.300	=	9.900
	deduct pipe area	-1 X 0.78	X	44.00	X	0.30	X	0.300	=	-3.089
	galli no. 8 avde home to shakil bagvan home	1	X	50.00	X	0.75	X	0.300	=	11.250
	deduct pipe area	-1 X 0.78	X	50.00	X	0.30	X	0.300	=	-3.510
	galli no. 7 chandulal sheth to rajgruh home	1	X	50.00	X	0.75	X	0.300	=	11.250
	deduct pipe area	-1 X 0.78	X	50.00	X	0.30	X	0.300	=	-3.510
	galli no. 6 sachin surve home to misar khatib h	1	X	63.00	X	0.75	X	0.300	=	14.175
	deduct pipe area	-1 X 0.78	X	63.00	X	0.30	X	0.300	=	-4.423
	galli no. 5 altaf kirana to mazid	1	X	27.00	X	0.75	X	0.300	=	6.075
	deduct pipe area	-1 X 0.78	X	27.00	X	0.30	X	0.300	=	-1.895
	galli no 4 mashaalha home to namband home	1	X	50.00	X	0.75	X	0.300	=	11.250
	deduct pipe area	-1 X 0.78	X	50.00	X	0.30	X	0.300	=	-3.510
	galli no. 3 bagwan home to asangi home	1	X	49.00	X	0.75	X	0.300	=	11.025
	deduct pipe area	-1 X 0.78	X	49.00	X	0.30	X	0.300	=	-3.440
	galli no. 2 husen bagwan home to sikandar hor	1	X	48.00	X	0.75	X	0.300	=	10.800
	deduct pipe area	-1 X 0.78	X	48.00	X	0.30	X	0.300	=	-3.370
	galli no.1 latib shekh home to aslam shekh hor	1	X	51.00	X	0.75	X	0.300	=	11.475
	deduct pipe area	-1 X 0.78	X	51.00	X	0.30	X	0.300	=	-3.580
		TOTAL QUANTITY								**66.873**

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MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
						Sq.M.
13	Supplying **hard murum/ kankar** at the road site, including conveying and stacking complete.					
	SSR OF 2022-23 ITEM NO. 2.29 (a) & PAGE NO.28					
	for rcc pipe gutter					
	(galli no. 9) rajlaxmi home to bhosale home	1	X 44.00 X	0.70 X	0.300 =	9.240
	galli no. 8 avde home to shakil bagvan home	1	X 50.00 X	0.70 X	0.300 =	10.500
	galli no. 7 chandulal sheth to rajgruh home	1	X 50.00 X	0.70 X	0.300 =	10.500
	galli no. 6 sachin surve home to misar khatib h	1	X 63.00 X	0.70 X	0.300 =	13.230
	galli no. 5 altaf kirana to mazid	1	X 27.00 X	0.70 X	0.300 =	5.670
	galli no 4 mashaalha home to namband home	1	X 50.00 X	0.70 X	0.300 =	10.500
	galli no. 3 bagwan home to asangi home	1	X 49.00 X	0.70 X	0.300 =	10.290
	galli no. 2 husen bagwan home to sikandar hor	1	X 48.00 X	0.70 X	0.300 =	10.080
	galli no.1 latib shekh home to aslam shekh hor	1	X 51.00 X	0.70 X	0.300 =	10.710
			TOTAL QUANTITY			**90.720**
						Cu.M.
14	Spreading **hard murum/ soft murrum/ gravel or kankar** for side width complete					
	SSR OF 2022-23 ITEM NO. 2.3 & PAGE NO.28					
	for rcc pipe gutter					
	(galli no. 9) rajlaxmi home to bhosale home	1	X 44.00 X	0.70 X	0.300 =	9.240
	galli no. 8 avde home to shakil bagvan home	1	X 50.00 X	0.70 X	0.300 =	10.500
	galli no. 7 chandulal sheth to rajgruh home	1	X 50.00 X	0.70 X	0.300 =	10.500
	galli no. 6 sachin surve home to misar khatib h	1	X 63.00 X	0.70 X	0.300 =	13.230
	galli no. 5 altaf kirana to mazid	1	X 27.00 X	0.70 X	0.300 =	5.670
	galli no 4 mashaalha home to namband home	1	X 50.00 X	0.70 X	0.300 =	10.500
	galli no. 3 bagwan home to asangi home	1	X 49.00 X	0.70 X	0.300 =	10.290
	galli no. 2 husen bagwan home to sikandar hor	1	X 48.00 X	0.70 X	0.300 =	10.080
	galli no.1 latib shekh home to aslam shekh hor	1	X 51.00 X	0.70 X	0.300 =	10.710
			TOTAL QUANTITY			**90.720**
						Cu.M.
15	Compacting the **hard murum side widths** including laying in layers on each side **with power roller** including artificial watering etc. complete					
	SSR OF 2022-23 ITEM NO. 2.31 & PAGE NO.28					
	for rcc pipe gutter					
	(galli no. 9) rajlaxmi home to bhosale home	1	X 44.00 X	0.70	=	30.800
	galli no. 8 avde home to shakil bagvan home	1	X 50.00 X	0.70	=	35.000
	galli no. 7 chandulal sheth to rajgruh home	1	X 50.00 X	0.70	=	35.000
	galli no. 6 sachin surve home to misar khatib h	1	X 63.00 X	0.70	=	44.100
	galli no. 5 altaf kirana to mazid	1	X 27.00 X	0.70	=	18.900
	galli no 4 mashaalha home to namband home	1	X 50.00 X	0.70	=	35.000
	galli no. 3 bagwan home to asangi home	1	X 49.00 X	0.70	=	34.300
	galli no. 2 husen bagwan home to sikandar hor	1	X 48.00 X	0.70	=	33.600
	galli no.1 latib shekh home to aslam shekh hor	1	X 51.00 X	0.70	=	35.700

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MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
	TOTAL QUANTITY					302.400 Sq.M.

16 Providing and **constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W.pipes, Brick Masonry, plastering from inside and C.I. lid cover 75 kg with frame fixed in cement concrete.

SSR OF 2022-23 ITEM NO. 42.11 & PAGE NO.343

for rcc pipe gutter					
(galli no. 9) rajlaxmi home to bhosale home	1	X	5.00	=	5.000
galli no. 8 avde home to shakil bagvan home	1	X	5.00	=	5.000
galli no. 7 chandulal sheth to rajgruh home	1	X	5.00	=	5.000
galli no. 6 sachin surve home to misar khatib h	1	X	7.00	=	7.000
galli no. 5 altaf kirana to mazid	1	X	3.00	=	3.000
galli no 4 mashaalha home to namband home	1	X	5.00	=	5.000
galli no. 3 bagwan home to asangi home	1	X	5.00	=	5.000
galli no. 2 husen bagwan home to sikandar hor	1	X	5.00	=	5.000
galli no.1 latib shekh home to aslam shekh hor	1	X	5.00	=	5.000
TOTAL QUANTITY					**45.000** No.

17 Providing and fixing **board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period** etc., having rectangular shape of **1.20m x 0.90m size made out 18 gauge (1.25mm) thick** mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete.

SSR OF 2022-23 ITEM NO. 6.36 & PAGE NO.71

	1			=	1.000
TOTAL QUANTITY					**1.000** No.

E DSR ITEM NO. ... & PAGE NO....

ROYALTY QTY. FOR SAND				=	0.000

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MEASUREMENT SHEET.

SR. NO.	DESCRIPTION OF ITEM	NO.	L	B	D	QUANTITY
	ROYALTY QTY. FOR OTHER MIN.				=	379.090
	TOTAL QUANTITY					**379.090**
	BASIC TEST OF AGGREGATE					
	Sieve Analysis	2		Nos.	=	2.000
	Water Absorption, Specific Gravity, Impact Value, Crushing Value	4		Nos.	=	4.000
	Flakiness Index/ Elongation Index	2		Nos.	=	2.000
	CONCRETE					
	Compressive strength of C.C.Cube (Set of 3 cubes)	10		Nos.	=	10.000
	Concrete Mix Design (With all Tests on basic materials)	2		Nos.	=	2.000
	FINE AGGREGATES					
	Fineness Modulus (Sieve Analysis), Silt & Clay Content	2		Nos.	=	2.000
	Silt Factor	2		Nos.	=	2.000
	TOTAL QUANTITY					**24.000**

MAP Consultancy Services,
Consultant Engineer

Junior Engineer,
Karad Municipal Council

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT REVENUE COLONY INTERNAL ROAD GALLY NO.1 TO GALLY NO.9,KARAD

RATE ANALYSIS.

SR.NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE

1 Excavation for **roadway in hard murum including dressing section** to the required grade, camber and side slopes and conveying the excavated materials with all lifts upto a lead of 50m.and spreading for embankment or stacking as directed.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 2.13 & PAGE NO.26			**139.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-1.39
			137.61
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			6.88
ADD 1% OF LABOUR AMENITIES/CESS			1.39
TOTAL RATE Rs.			**145.88** PerCu.M.

2 Conveying **materials obtained from road cutting including all lifts, laying in layers of 20cm to 30cm. breaking clods,** dressing to the required lines, curves, grades and section, watering and compacting to not less than 97% of standard Proctor density for a lead of over 50m. to 300m. inclusive from the site of excavation to the site of deposition as

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 2.25 & PAGE NO.27			**195.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-1.95
			193.05
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			9.65
ADD 1% OF LABOUR AMENITIES/CESS			1.95
TOTAL RATE Rs.			**204.65** PerCu.M.

3 Providing **soling using 80 mm size trap metal in 15 cm.** layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 21.4 & PAGE NO.194			**1454.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-14.54
			1439.46
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			71.97
ADD LEAD CHARGES FOR SOLING	1.00000	486.83	486.83
ADD LEAD CHARGES FOR GRIT	0.15000	397.93	59.69
ADD 1% OF LABOUR AMENITIES/CESS			14.54
TOTAL RATE Rs.			**2072.49** PerCu.M.

4 Providing and laying Cast in **situ/Ready Mix cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including bailing out water, formwork, laying/pumping, compacting, roughening them if special finish is to be provided, finishing if required and curing complete, **with fully automatic micro processor based PLC with SCADA** enabled reversible Drum Type mixer/concrete Batch mix plant (Pan mixer) etc. complete. **With fine aggregate (Crushed sand VSI Grade)**

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 24.01 & PAGE NO.215			**5830.00**

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RATE ANALYSIS.

SR.NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
	DEDUCT Rs. 120.00 FOR NON SCADA			-120.00
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-58.30
				5651.70 ✓
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			282.59
	ADD LEAD CHARGES FOR CEMENT	0.22000	120.00	26.40
	ADD LEAD CHARGES FOR SAND	0.47000	397.93	187.03 ✓
	ADD LEAD CHARGES FOR CR METAL	0.24000	397.93	95.50
	ADD LEAD CHARGES FOR 40MM METAL CB	0.70000	381.35	266.95 ✓
	ADD 1% OF LABOUR AMENITIES/CESS			58.30
	TOTAL RATE Rs.			6568.47 PerCu.M. ✓

5 Providing and laying in situ **cement concrete M -30 with tremix treatment for 200 mm thickness for Concrete Road** is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and 20 mm deep with necessary refilling with bitumen (**excluding reinforcement**) with coarse and fine aggregate (natural sand/ VSI grade finely washed crushed sand) etc. complete

	BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 5.22(a) & PAGE NO.52			8447.00
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-84.47
				8362.53
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			418.13
	ADD LEAD CHARGES FOR CEMENT	0.40000	120.00	48.00
	ADD LEAD CHARGES FOR SAND	0.42500	397.93	169.12
	ADD LEAD CHARGES FOR CR METAL	0.85000	397.93	338.24
	ADD 1% OF LABOUR AMENITIES/CESS			84.47
	TOTAL RATE Rs.			9420.49 PerCu.M.

8446.00 − 84.46 = 8361.54 + 418.08 + 48.00 + 169.12 + 338.24 + 84.46 = 9419.44

6 Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in **cement mortar 1:6 in plinth** as backing in composite masonry including bailing out water manually, striking joints, raking out joints and watering etc Complete.

	BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 27.03 & PAGE NO.242			7514.00 ✓
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-75.14
				7438.86
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			371.94 ✓
	ADD LEAD CHARGES FOR CEMENT	0.07900	120.00	9.48
	ADD LEAD CHARGES FOR SAND	0.32000	397.93	127.34
	ADD LEAD CHARGES FOR BRICKS	0.47500	531.38	252.41
	ADD 1% OF LABOUR AMENITIES/CESS			75.14
	TOTAL RATE Rs.			8275.17 PerCu.M. ✓

7 Providing internal **cement plaster 20mm thick in single coats** in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete

	BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 32.06 & PAGE NO.256			375.00 ✓
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-3.75
				371.25 ✓
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			18.56
	ADD LEAD CHARGES FOR CEMENT	0.00700	120.00	0.84
	ADD LEAD CHARGES FOR SAND	0.02500	397.93	9.95
	ADD 1% OF LABOUR AMENITIES/CESS			3.75
	TOTAL RATE Rs.			404.35 PerSq.M. ✓

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RATE ANALYSIS.

SR.NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
8	Providing, laying and fixing **P.V.C. pipe of 15mm dia. with fittings such as bends, tees, reducers, clamps,** etc. including necessary excavation, trench filling etc. complete. Including removing existing pipe line if necessary and conveying and stacking the same in PWD chowky or as directed etc. complete.			
	BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 42.21 & PAGE NO.344			**82.00** ✓
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-0.82
				81.18
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			4.06
	ADD 1% OF LABOUR AMENITIES/CESS			0.82
			TOTAL RATE Rs.	**86.06** PerRg.M. ✓
9	Providing and laying **concrete pipes of I.S.NP. class of 150mm diameter** in proper line, level and slope including necessary collars, excavation, laying, fixing with collars in cement mortar 1:1 and refilling the trench complete.			
	BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 42.07 & PAGE NO.342			**530.00** ✓
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-5.30
				524.70
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			26.24
	ADD 1% OF LABOUR AMENITIES/CESS			5.30
			TOTAL RATE Rs.	**556.24** PerRg.M. ✓
10	Excavation for foundation / pipe trenches in hard murum including removing the excavated material upto a distance of 50M and lifts as below, stacking and spreading as directed by Engineer-in-charge, normal dewatering, preparing the bed for foundation and excluding backfilling, etc.complete.(Bd-A-2/259) Lift 0 to1.5M			
	MJP SSR OF 2023-24 SECTION-E-2 & PAGE NO.37			**187.00** ✓
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-1.87
				185.13
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			9.26
	ADD 1% OF LABOUR AMENITIES/CESS			1.87
			TOTAL RATE Rs.	**196.26** PerCu.M. ✓
11	Providing and laying concrete pipes of I.S.NP. Class of 300mm diameter in proper line,level and slope including necessary collars, excavation, laying, fixingwith collars in cement mortar 1:1 and refilling the trench complete.			
	SSR OF 2022-23 ITEM NO. 42.09 & PAGE NO.274			**744.00** ✓
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-7.44
				736.56
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			36.83
	ADD LEAD CHARGES FOR CEMENT	0.00600	120.00	0.72
	ADD LEAD CHARGES FOR SAND	0.00900	397.93	3.58
	ADD LEAD CHARGES FOR RCC PIPE 450MM NP-2	1.00000	37.77	37.77
	ADD 1% OF LABOUR AMENITIES/CESS			7.44
			TOTAL RATE Rs.	**822.90** PerRg.M. ✓

187.00
57. + 9.35
196.35

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RATE ANALYSIS.

SR.NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE

12 Refilling the trenches with available excavated stuff with soft material firs over pipe line and then hard material in15cm layers with all leads and lifts including

MJP SSR OF 2023-24 SECTION-E-15 & PAGE NO.40			**92.00** ✓
DEDUCT 1% OF LABOUR AMENITIES/CESS			-0.92
			91.08
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			4.55
ADD 1% OF LABOUR AMENITIES/CESS			0.92
TOTAL RATE Rs.			**96.55** PerSq.M.

92.00 + 4.60 = 96.60

13 Supplying **hard murum/ kankar** at the road site, including conveying and stacking complete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 2.29 (a) & PAGE NO.28			**435.00** ✓
DEDUCT 1% OF LABOUR AMENITIES/CESS			-4.35
			430.65
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			21.53
ADD LEAD CHARGES FOR MURUM-HARD	1.00000	252.22	252.22
ADD 1% OF LABOUR AMENITIES/CESS			4.35
TOTAL RATE Rs.			**708.75** PerCu.M. ✓

14 Spreading **hard murum/ soft murrum/ gravel or kankar** for side width complete

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 2.3 & PAGE NO.28			**79.00** ✓
DEDUCT 1% OF LABOUR AMENITIES/CESS			-0.79
			78.21
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			3.91
ADD 1% OF LABOUR AMENITIES/CESS			0.79
TOTAL RATE Rs.			**82.91** PerCu.M. ✓

15 Compacting the **hard murum side widths** including laying in layers on each side **with power roller** including artificial watering etc. complete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 2.31 & PAGE NO.28			**21.00** ✓
DEDUCT 1% OF LABOUR AMENITIES/CESS			-0.21
			20.79
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			1.04
ADD 1% OF LABOUR AMENITIES/CESS			0.21
TOTAL RATE Rs.			**22.04** PerSq.M. ✓

16 Providing and **constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W.pipes, Brick Masonry, plastering from inside and C.I. lid cover 75 kg with frame fixed in cement concrete.

BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 42.11 & PAGE NO.343			**14786.00**
DEDUCT 1% OF LABOUR AMENITIES/CESS			-147.86
			14638.14
ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			731.91
ADD 1% OF LABOUR AMENITIES/CESS			147.86
TOTAL RATE Rs.			**15517.91** PerNo.

14570.00 − 145.70 = 14424.30 + 721.22 = 15145.52 + 145.70 = 15291.22

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RATE ANALYSIS.

SR.NO.	DESCRIPTION OF ITEM	QTY.	NET LEAD CHARGES	RATE
17	Providing and fixing **board displaying information, such as 'Name of work, Tender cost, Name of Contractor, Work completion and liability period** etc., having rectangular shape of **1.20m x 0.90m size made out 18 gauge (1.25mm) thick** mild steel sheet painted with one coat of Zinc chromate stoving primer and two coats of enamel paint on front side and grey stove enamel on back side and border / messages / symbols etc. with approved colour shade paint complete, on M.S.angle of size 35 x 35 x 3 mm frame with properly cross braced M.S. angles of size 35mmx35mmx3mm duly painted including Two M.S. angle iron posts of size 65 mm x 65 mm x 6 mm, 3.65 m long painted with alternate black and white bands of 25 cm width including all fixtures etc.and fixing the boards in 1:4:8 concrete block of size 60 cm x 60 cm x 75 cm including, excavation, refilling, transportation, and labour etc complete.			
	BASIC RATE AS PER SSR OF 2022-23 ITEM NO. 6.36 & PAGE NO.71			**9963.00**
	DEDUCT 1% OF LABOUR AMENITIES/CESS			-99.63
				9863.37
	ADD 5% FOR SUGARCANE FACTORY AREA (WITHIN 10 KM RADIUS)			493.17
	ADD 1% OF LABOUR AMENITIES/CESS			99.63
			TOTAL RATE Rs.	**10456.17** PerNo.

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Consultant Engineer

Junior Engineer,
Karad Municipal Council

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AN LAYING RCC PIPE LINE FOR CLOSED DRAIN AT REVENUE COLONY INTERNAL ROAD GALLY NO.1 TO GALLY NO.9,KARAD

LEAD CHART

SR.NO.	MATERIAL	TYPE OF MATERIAL	LOCATION OF QUARRY	LEAD IN KM.	LEAD CHARGES.
1	SOLING	MACHINE	shenoli	14.00	486.83
2	GRIT	MACHINE	shenoli	14.00	397.93
3	CEMENT	MANUAL	local	2.00	120.00
4	SAND	MACHINE	shenoli	14.00	397.93
5	CR METAL	MACHINE	shenoli	14.00	397.93
6	40MM METAL CB	MACHINE	shenoli	14.00	381.35
7	BRICKS	MANUAL	varunji	5.00	531.38
8	RCC PIPE 450MM NP-2	PIPE	tasavade	15.00	37.77
9	MURUM-HARD	MACHINE	karad	5.00	252.22

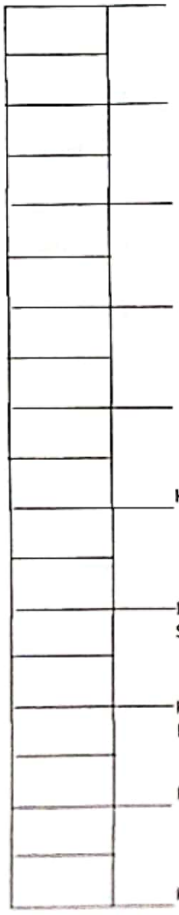
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QUARRY CHART



AT SITE

CERTIFICATE

Certified that I have visited the quarry sites & distance shown as lead is corrects & sufficient quantity will be available from quarry.

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT REVENUE COLONY INTERNAL ROAD GALLY NO. TO GALLY NO.9,KARAD

OTHER MATERIAL COMPONENTS

Sr No.	Item Of Work	Quantity	SOLING		GRIT		CEMENT		SAND		CR METAL		40MM METAL CB		BRICKS		CC PIPE 450MM NP-		MURUM-HARD		20MM METAL	
			Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1	Providing **soling using 80 mm size trap metal in 15 cm.** layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.	288.368	1.00000	288.368	0.15000	43.255																
	SSR OF 2022-23 ITEM NO. 21.4 & PAGE NO.184																					
2	Providing and laying Cast in **situ/Ready Mix cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including balling out water, formwork, laying/pumping, compacting,	202.325					0.22000	44.512	0.47000	95.093	0.24000	48.558	0.70000	141.628								
	SSR OF 2022-23 ITEM NO. 24.01 & PAGE NO.215																					
3	Providing and laying in situ **cement concrete M -30 with tremix treatment for 200 mm thickness for Concrete Road** is including laying plastic sheet for 125 micron thickness with groove cutting of 4 mm wide and	258.128					0.40000	103.251	0.42500	109.704	0.85000	219.409										
	SSR OF 2022-23 ITEM NO. 5.22(a) & PAGE NO.52																					
4	Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in **cement mortar 1:6 in plinth** as backing in composite masonry including balling out water manually, striking joints, raking out	5.216					0.07900	0.412	0.32000	1.669					0.47500	2.478						
	SSR OF 2022-23 ITEM NO. 27.03 & PAGE NO.243																					
5	Providing internal **cement plaster 20mm thick in single coats** in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including scaffolding and curing etc. complete	22.680					0.00700	0.159	0.02500	0.567												
	SSR OF 2022-23 ITEM NO. 32.06 & PAGE NO.256																					
6	Providing and laying **cement concrete pipe** of IS 458:2003 **NP-2 class of 450mm diameter** in proper line, level and slope including providing and fixing collars in cement mortar 1:2 and curing etc. complete.	432.000					0.00600	2.592	0.00900	3.888							1.00000	432.000				
	SSR OF 2022-23 ITEM NO. 11.08 & PAGE NO.88																					
7	Providing **internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish** to concrete surface in all positions including scaffolding and curing etc. complete.	66.873					0.00350	0.234	0.00760	0.508												
	SSR OF 2022-23 ITEM NO. 32.01 & PAGE NO.256																					

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Sr No.	Item Of Work	Quantity	SOLING		GRIT		CEMENT		SAND		CR METAL		40MM METAL CB		BRICKS		CC PIPE 450MM NP-		MURUM-HARD		20MM METAL	
			Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.	Cons.	Qty.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
8	Supplying **hard murum/ kankar** at the road site, including conveying and stacking complete.	90.720																	1.00000	90.720		
	SSR OF 2022-23 ITEM NO. 2.29 (a) & PAGE NO.28																					
9	Providing and **constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete channels half round G.S.W.pipes, Brick Masonry, plastering	45.000					0.17650	7.943	0.54000	24.300					0.52700	23.715					0.30000	13.500
	SSR OF 2022-23 ITEM NO. 42.11 & PAGE NO.343																					
		TOTAL:		288.368		43.255		159.102		235.730		267.967		141.628		26.193		432.000		90.720		13.500

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Consultant Engineer

Junior Engineer,
Karad Municipal Council

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT REVENUE COLONY INTERNAL ROAD GALLY NO.1 TO GALLY NO.9,KARAD

FREQUNCY CHART

Sr. No.	Material	Qty.	Unit	Tests	Frequency	No. of Test
1	BASIC TEST OF AGGREGATE	110.243	Nos.	*Sieve Analysis*	1 TEST/100 Cu.M.	2
2	BASIC TEST OF AGGREGATE	367.601	Nos.	Water Absorption, Specific Gravity, Impact Value, Crushing Value	1 TEST/100 Cu.M.	4
3	BASIC TEST OF AGGREGATE	110.243	Nos.	Flakiness Index/ Elongation Index	1 TEST/100 Cu.M.	2
4	CONCRETE	411.183	Nos.	Compressive strength of C.C.Cube (Set of 3 cubes)	1 TEST/0 Cu.M.	10
5	CONCRETE	411.183	Nos.	Concrete Mix Design (With all Tests on basic materials)	1 TEST/100 Cu.M.	2
6	FINE AGGREGATES	193.074	Nos.	Fineness Modulus (Sieve Analysis), Silt & Clay Content	1 TEST/100 Cu.M.	2
7	FINE AGGREGATES	193.074	Nos.	Silt Factor	1 TEST/100 Cu.M.	2

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT REVENUE COLONY INTERNAL ROAD GALLY NO.1 TO GALLY NO.9,KARAD

ROYALTY STATEMENT

Sr No.	Item Of Work	Quantity	UNIT	NATURAL SAND		OTHER MINERALS	
				Factor	Qty.	Factor	Qty.
1	2	3	4	5	6	7	8
1	Providing **soling using 80 mm size trap metal in 15 cm.** layer including filling voids with Crushed sand/grit, ramming, watering etc. complete.	288.368	Cu.M.			1.00000	288.370
2	Providing and laying Cast in **situ/Ready Mix cement concrete in M-10** of trap/ granite/ quartzite/ gneiss metal **for foundation and bedding** including bailing out	202.325	Cu.M.	0.47000	95.090		
3	Providing and laying in situ **cement concrete M -30 with tremix treatment for 200 mm thickness for Concrete Road** is including laying plastic sheet for 125	258.128	Cu.M.	0.42500	109.700		
4	Providing **second class Burnt Brick masonry** with conventional/ I.S. type bricks in **cement mortar 1:6 in plinth** as backing in composite masonry including bailing	5.216	Cu.M.	0.32000	1.670		
5	Providing internal **cement plaster 20mm thick in single coats** in cement mortar 1:5 without neeru finish, to concrete, brick surface, in all positions including	22.680	Cu.M.	0.02500	0.570		
6	Providing and laying **cement concrete pipe** of IS 458:2003 **NP-2 class of 450mm diameter** in proper line, level and slope including providing and fixing collars	432.000	Cu.M.	0.00900	3.890		
7	Providing **internal cement plaster 6 mm thick in a single coat in cement mortar 1:4 without neeru finish** to concrete surface in all positions including	66.873	Cu.M.	0.00760	0.510		
8	Supplying **hard murum/ kankar** at the road site, including conveying and stacking complete.	90.720	Cu.M.			1.00000	90.720
9	Providing and **constructing Brick Masonry Inspection Chamber 90cm x 45cm x 90cm** including 1:4:8 cement concrete foundation 1:2:4 cement concrete	45.000	Cu.M.	0.54000	24.300		

Total Qty. in Cubic Metre:	**0.000**	**379.090**
Rate INR.	**0.000**	**216.180**
Total Amount INR.	**0.000**	**81952.000**
Grand Total Amount INR.		**81952.000**

Notes:
1] Royalty charges for Natural Sand. Rate inclusive of surcharges of 2% + Mineral Foundation 10% [0 + 0 + 0 = 0]
2] Royalty charges for Other Minerals. Rate inclusive of surcharges of 2% = [0 + 0 = 0]

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NAME OF WORK:- CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT REVENUE COLONY INTERNAL ROAD GALLY NO.1 TO GALLY NO.9,KARAD

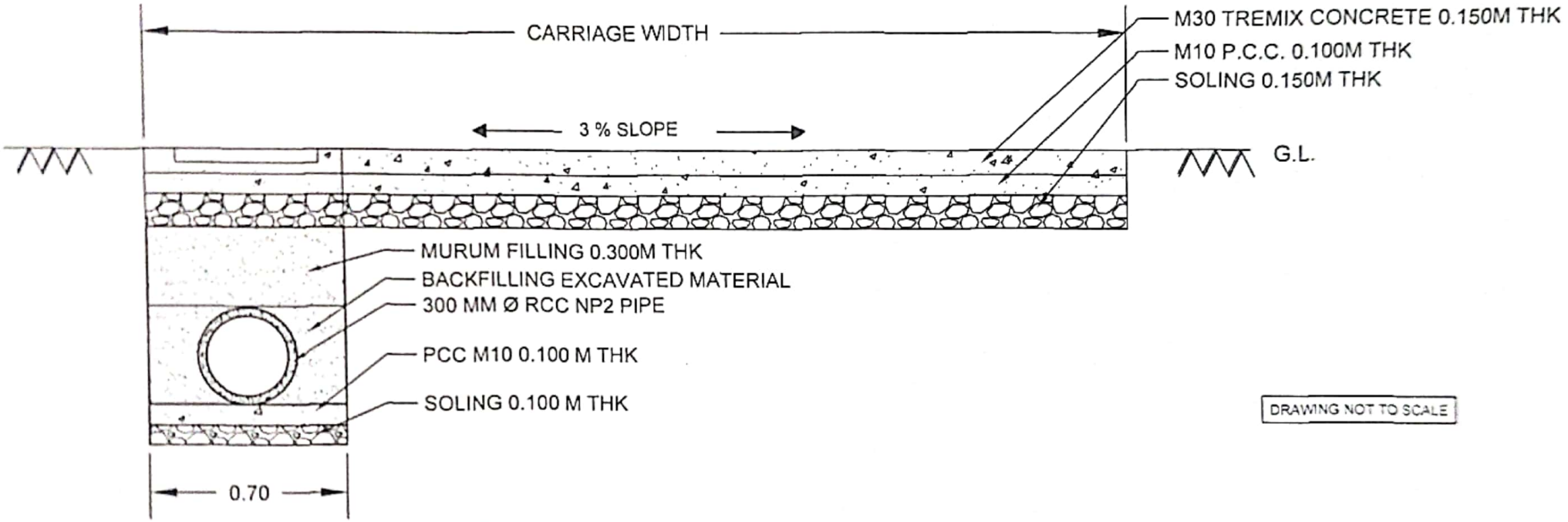
MATERIAL SUMMARY

SR.NO.	MATERIAL	TOTAL QUANTITY	QUANTITY OF ROYALTY	REMARKS
1	SOLING	288.368	288.368	
2	GRIT	43.255	-	
3	CEMENT	159.102	-	
4	SAND	235.730	235.730	
5	CR METAL	267.967	-	
6	40MM METAL CB	141.628	-	
7	BRICKS	26.193	-	
8	RCC PIPE 450MM NP-2	432.000	-	
9	MURUM-HARD	90.720	90.720	
10	20MM METAL	13.500	-	

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DRAWING NOT TO SCALE

TYPICAL CROSS SECTION OF CC ROAD & RCC PIPE DRAIN

NAME OF WORK -
CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT REVENUE COLONY INTERNAL ROAD GALLY NO.1 TO GALLY NO.9,KARAD

CONSULTING ENGINEER
KARAD MUNICIPAL COUNCIL

MUNICIPAL ENGINEER
KARAD MUNICIPAL COUNCIL

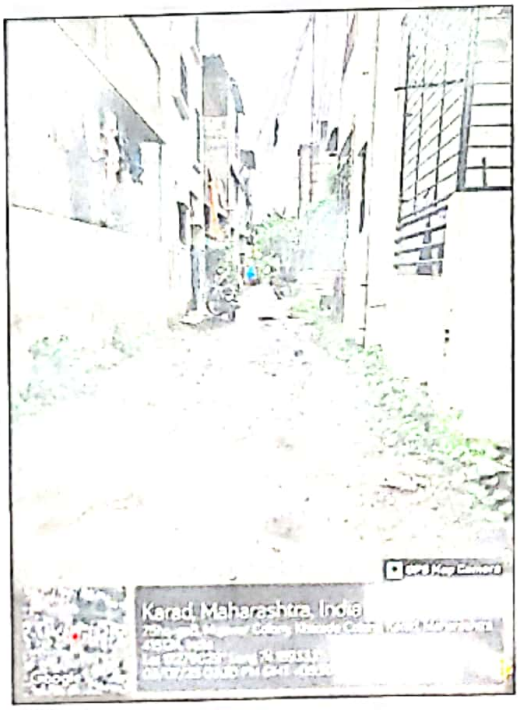
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NAME OF WORK - CONSTRUCTION OF CEMENT CONCRETE ROAD AND PROVIDING AND LAYING RCC PIPE LINE FOR CLOSED DRAIN AT REVENUE COLONY INTERNAL ROAD GALLY NO.1 TO GALLY NO.9,KARAD



GOOGLE LOCATION PLAN
N.T.S.





GPS TAGGING PHOTO

CONSULTING ENGINEER KARAD MUNICIPAL COUNCIL	JUNIOR ENGINEER KARAD MUNICIPAL COUNCIL	MUNICIPAL ENGINEER KARAD MUNICIPAL COUNCIL

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