

Government of Nepal
Madhyapur Thimi Municipality
Office of Municipality
Bagmati Province
Bhaktapur



Analysis of Rates of Road Works

CONTRACT

FY 079/080

Madhyapur Thimi Municipality
Office of this Unicipal Executive
(According to Work Norms of the tof Roads and Agricultural Roads)
SUMMARY OF RATE
TORROADS FOR FY 079/080

SN	SECTION	Ref. to SS	TEMP DESCRIPTION	For	Contract Wor
	Section 1			UNIT	Rate With
1		 	GENERAL 2002		Overhead
1	Item No 1.30	110	Providing and installation of project signboards with size of 1.8 x 1.2 m as per specification and instruction of engineer.		
	Section 2		ISHE CLEARANCE	nos	6,405.5
			(I) Clearing and grubbing road land including uprooting real-control		
2	Item No 2.01	201	1 dones, sin dos, sapinies and trees out to any man and a constant		
_	110111110 2.01	201	The current and disposal of intervices his motorials and the second		
			production to be used of auctioned, lin to a lead of 30 meters in all dis		
_		-	(i) By Manual Means		
			a)In area of light jungle (less than 15 number per 100 com)		
\dashv			Diffi atea of morning lingle (more than 15 numbers 100	sqm	20.7
			of terming and uprooting of bamboo clearing the area stacking of bands	sqm	31.0
7			Table of Wastes	sqm	2,070.0
			(ii) By Mechanical Means		
			a)In area of light jungle (less than 15 number per 100 sqm) b)In area of thorny jungle (more than 15 numbers per 100 sqm) c) Felling and more than 15 numbers per 100 sqm)	sqm	5.5
			disposing of wastes	sqm	5.8
+			disposing of wastes	sqm	697.4
			(II) Clearing and grubbing road land including uprooting rank vegetation, grass,	+	097.4
-	1		the dailed did disposal of fillserviceshie materials and at- 1.		
		11	the be used of auctioned, up to a lead of 1000 meters including		
4		(disposal of top organic soil not exceeding 150 mm in thickness.		
-			i) By Manual Means	 -	
+			a) In area of light jungle (less than 15 number per 100 sqm)		
┰			Jili alea of thorny jungle (more than 15 numbers nor 100	sqm	28.19
			c) Felling and uprooting of bamboo clearing the area, stacking of bamboo and disposing of wastes	sqm	35.04
		`	ii) By Mechanical Means	sqm	2,819.21
		a	o)In area of light jungle (less than 15 number per 100 sqm)		
			Ill area of thorny jungle (more than 15 numbers nor 100)	sqm	7.34
	1	10	Terming and uprooting of bamboo clearing the area stacking of bamboo	sqm	7.76
+				sqm	806.77
	T. 37		Cutting of Trees, including cutting of Trunks, Branches and Removal		
	Item No 2.02	201	Cutting of trees, including cutting of trunks, branches and Removal		
1		1~	tacking of serviceable Material with all lifts and up to a lead of 1000 meters and arth filling in the depression/pit.		
4_		(1) Girth from 300 mm to 600 mm		
+-		(i	i) Girth from 600 mm to 900 mm	nos	1,130.93
╁		(i	ii) Girth from 900 mm to 1800 mm	nos	3,392.80
+		(1	v) Girth from 1800 - 2500 mm	nos	8,855.60 20,586.51
1		- 10) Girth above 2500 mm	nos	67.856.04
I	tem No 2.03	201 Su	learing Grass and Removal of Rubbish and Dressing and levelling the construction		07.050.04
⊢-					
	ļ.	C	earing grass/ top soil and removal up to a distance of 50 meters outside the		· · · · · · · · · · · · · · · · · · ·
\vdash			appliery of the area. Including cuffing and filling of small 1	*	
I	tem No 2.04		y Manual Means smantling of Structures	sqm	10.35
		Di	smantling of Structures smantling of existing structures like culverts, bridges, retaining walls and other		10.00
	-	str	ucture comprising of masonry, cement concrete, wood work, steel work, including		
		100.	arrotating wherever necessary, sorting the dismontled Metalial 1:		
	}	un	serviceable Material and stacking the serviceable Material with all the	×	
			TOO HICKOR		u i
<u> </u>			Lime /Cement Concrete		-7
			By Manual Means		
		(a)	Lime Concrete, cement concrete grade M-10 and below	cum	1,713.65
		(0)	Cement Concrete Grade M-15 & M-20	cum	2,024.15
			Pre-stressed / Reinforced cement concrete grade M-20 & above	cum	4,462.30

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SN	SECTION	Ref. to S	S Profesion A		Contract Wor
April 200			Start Driveria ION	UNIT	Rate With
	 	+	(II) By Mechanical Means		Overhead
		 	(a) Cement Concrete Grade M-15 & M-20	cum	3,013.8
		 	(b) Pre-stressed / Reinforced cement concrete grade M-20 & above (ii) Dismantling Brick/Tile Work	cum	3,565.8
		<u> </u>	a.In Lime Mortar		
			b.In Cement Mortar	cum	1,092.6
			c.In Mud Mortar	cum	1,978.3
			d. Dry Brick Pitching or Brick Soling	cum	989.1
			(iii) Dismantling Stone Masonry	cum	1,092.6
			a. Random rubble stone masonry in cement mortar		
	·		(IV) Removing all type of Hume Pines and Stacking within a lead of Co.	cum	1,978.3
			Including Editiwork and Dismantling of Masonm, Wester		
			1) upto 600mm dia.	+	
		<u> </u>	ii) above 600mm to 900mm dia.	rm	675.1
6	itom may 2.50		iii) above 900mm dia.	rm	994.9
<u> </u>	item no:2.50	202	(i) Dismantling of Flexible Pavements	rm	1,421.40
		4	Dismantling of flexible pavements and disposal of dismantled Material up to a lead of 1000 metres, stacking appricable	 	, , , , , , , , , , , , , , , , , , ,
			10-1000 money, stacking services and uncompleted in the services in the service in the services in the service		
			(1) by manada Medalis	1	
			(a) Bituminous courses (b) Granular courses	cum	2,495.80
				cum	2,185.30
			(II) By Mechanical Means (a) Bituminous courses	- Cum	2,165.50
7	item no:2.60	202	Dismontline of Co	cum	1,340.05
			Dismantling of Cement Concrete Pavement	-	1,340.02
ı			Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not except in a pieces not except i		
			tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at	aum	2 000 40
_			designated locations and disposal of dismantled Material up to a lead of 1000 metres, stacking serviceable and unserviceable Material separately	cum	3,822.49
3	item no:2.70	~~~	tomoval Ul Telephone / Flectine Poles and I !		
		l·	Removal of telephone / Electric poles including exception and I'm		
1		1.	toundation conclete and lines linder the cupervision of		
		13	disposar with all titls and up to a lead of 1000 metres and starting the	nos	923.93
\dashv			and unserviceable Material separately		, , _0.,,0
	item no:2.80.		Dismantling gabion works including stockpiling the reusable materials and disposal		
\top			of reusable materials within 50m lead	cum	1,208.19
	Section 4		FENCING		
0.	item no:4.1.a		GI Barbed wire fencing		
1	a.		SI Borbed wire fencing		
			GI Barbed wire fencing 1.2m high with RCC Post Providing and fixing 1.2m high GI barbed wire frencing with 1.8m RCC posts		
]1	50mm*150mm placed every 3m center to center founded in M15 grade cement		
		c	oncrete, 0.6m below ground level, every 15th post, last but one end post and corner ost shall be strutted on both sides and		
		p	ost shall be strutted on both sides and end post on end post one side only and		
		p	rovided with 9 horizontal lines and 2 diagonals interwoven with horizontal wires,	m	983.33
1	İ	144	and with Of staples, turn buckles etc. complete as per Drowing and T. 1.		
+	b.				
+	В.	404 C	I Barbed wire fencing 1.8m high with RCC Post		
ı	ſ	1-	10 Harris and Harris Lolli filen Gi parped wire trenging with 12 dec DCC		
ľ		1 **	John Toolin placed every 3m center to center founded in M15		
	1	ln(oncrete, 0.6m below ground level, every 15th post, last but one end post and corner		
	1	. P	so shall be structed oil both sides and end nost on end nost one side and	m	1,322.30
		fi	rovided with 9 horizontal lines and 2 diagonals interwoven with horizontal wires,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
╁		S	xed with GI staples, turn buckles etc., complete as per Drawing and Technical	lui l	
1	c.	404 G	Barbed wire fencing 1.2m bish		
1		Pi	Oviding and fixing 1.2m high GI barbed wire frencing with 1.2m and 1.2m		
		1.5	A formal A offilia placed every am center to center tounded in Mass		2 8
	İ	Į	ment concrete, 0.0m below ground level every 15th past last last]
	1	144.	de corner post shall be strutted on both sides and end post on end post one side	m	542 (0
	· ·	[01]	and provided with 9 horizontal lines and 2 diagonals intermotion with	m	542.68
1		110	rizontal wires, fixed with GI staples, turn buckles etc. complete as non Described		
		lan	d Technical Specification.	1	ſ

सत्य दारायण साह निर्देशक,महाशाखा प्रमुख शहरी विकास तथा योजना महाशाखा

विज्ञाराज सुवेदी प्रमुख प्रशासकीय अधिकृत

SUMMARY OF RATE ANALYSIS OR ROADS FOR FY 079/080

~~				For	Contract Works
SN		Ref. to SS	A THE STANKE TON	UNIT	Rate With
13	d.	404	GI Barbed wire fencing 1.8 high 4		Overhead
		İ	Providing and fixing 1.8m high GI barbed wire frencing with 2.4m angle iron posts	 	
1		*	John X John X omm placed every 3m center to center founded in M15 1		
			content concrete, 0.6m below ground level every 15th post lost but one and	1]	
		1 "	land corner post snall be strutted on both sides and end nost on end nost one side	m	913.82
	İ		Johny and provided with 12 horizontal lines and 2 diagonals interwoven with	""	713.02
1			morizontal wires, fixed with GI staples, turn buckles etc. complete as per Drawing		
14	item no:4.2	400	1800 recipical Specification		
	11011110.4.2	400	Fencing with welded steel wire fabric 75mm x 50mm		
			Providing and fixing 1.2m high fencing with angle iron posts 50mm x 50mm x 6mm		
		1	placed every 3m center to center with 0.4m embedded in M15 grade cement		
			concrete, corner, end and every 10th post to strutted, provided with welded steel		
İ .	*	1 1	wire fabric of 75mm x 50mm mesh or 75mm x 25mm mesh and fixed to iron posts	m	1,929.01
			by flat iron 50 x 5mm and bolts etc. complete as per Drawing and Technical Specification.		
			Specification.		
	Section 7		PIPE DRAIN, PIPE CULVERTS AND CONCRETE		
15	item no:7.01	701	Providing, jointing and laying HDP pines with or without collar etc. complete in		
			place as per specification.	1	
			a) 110 mm/125mm outer diameter	 +	050.21
		1 1	Providing and Laying Reinforced Cement Concrete Flush jointed Pipe for culverts	m	859.21
16	item no:7.02	701	1 Toylung and Laying Reinforced cement concrete NP3 Flush jointed ning for		
ſl		l i	curverts including fixing with cement mortar 1:2 as per Drawing and Technical	•	
-			Specifications.		N P
	 _		a) 300mm dia (Int.)	m	4,251.26
	 		b) 450mm dia (Int.)	m	5,916.28
			c) 600mm dia (Int.)	m	7,972.30
			d) 900mm dia (Int.)	m	14,943.98
			e) 1000mm dia (Int.)	m	15,190.00
			f) 1200mm dia (Int.)	m	19,997.56
- 1			Providing and Laying Reinforced Cement Concrete Pipe for culverts including	-111	19,997.30
17	item no:7.03	701	tixing collar Providing and Laying Reinforced cement congrete ND2 Colleges 1		
Ì		11	sipe for curver's including fixing collar with cement mortar 1.2 as per Drawing and		
			reclinical Specifications.		
			a) 300mm dia (Int.)	m	4,539.41
\dashv			9) 450mm dia (Int.)	m	6,330.28
			c) 600mm dia (Int.)	m	8,542.70
-+			1) 900mm dia (Int.)	m	16,063.44
-+			2) 1000mm dia (Int.)	m	16,309.45
-+		t) 1200mm dia (Int.)	m	21,478.40
					,1,0,10

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SUMMARY	OF RATE	ANALYSISTORRO	ADS FOR	R FY 079/080

SN	SECTION	Ref. to SS	ITEMS TO SEPPE LON	UNIT	Contract Works Rate With Overhead
	Section 9		EARTH WORKS		Overnead
18	item no:9.01	905	Earthwork Excavation in Cutting.		
			I) Roadway Excavation in All types of Soil		
			Roadway Excavation in all types of soil as per drawing and technical specification,		
		211	including removal of stumps and other deleterious matter, with all lifts and lead as per Drawing and instruction of the Engineer.		
			A. Manual means		920.15
			B. Mechanical Means	cum	829.15
			II) Roadway Excavation in ordinary rock	cum	80.58

			Roadway Excavation in ordinary rock as per Drawing and Technical specification, including all lift and lead as per Drawing and instruction of the Engineer.		
			A. Manual means	cum	959.45
			B. Roadway Excavation in ordinary rock by Mechanical Means	cum	241.73
			III) Roadway Excavation in Hard Rock		
			A. Mechanical Drilling		
			Roadway Excavation in hard rock with mechanical drilling, including blasting and		
			breaking, and disposal of cut road within all lifts and leads as per Drawing and	cum	3,176.77
		-	instruction of the Engineer. B. Manual Drilling		
			Roadway excavation in hard rock with manual drilling, blasting, breaking, lifts and		
			leads all complete as per Drawing and instruction of the Engineer.	cum	3,998.84
		**			
19	item no:9.02		Removal of Unserviceable Soil with Disposal upto 1000 meters Removal of	cum	176.95
			unserviceable soil including excavation, loading and disposal upto 1000 meters lead	10	
20	item no:9.04		Excavation for Structures Foundation		
			Earth work in excavation of foundation of structures, including construction of		,
			shoring and bracing, removal of stumps and other deleterious matter and backfilling		
			with approved Material as per Drawing and Technical Specifications. A. Manual Means		
	a.		Ordinary soil		
	a.	- 	(i) Depth upto 3m		0.66.00
	9.000		(ii) Depth 3m to 6m	cum	966.00
			(iii) Depth above 6m	cum	1,380.00 2,139.00
	b.	T	B. Mechanical Means	Cuin	2,139.00
			(i) Depth upto 3m	cum	120.87
			(ii) Depth 3m to 6m	cum	145.04
			(iii) Depth above 6m	cum	192.03
21	item no:9.06		Stripping, Storing and Re-laying Top Soil from Borrow Areas in Agriculture Fields.		1,21,00
		1	Stripping of top soil from borrow areas located in agriculture fields, storing at a		
			suitable place, spreading and re-laying after taking the borrow earth to maintain	aum	334.99
			fertility of the agricultural field, finishing it to the required levels to the satisfaction	cum	334.99
22	item no:9.05	 	of the farmer as per Drawing and Technical Specifications.		
22	item no:9.03	ļ	Stripping and Storing Top Soil Stripping, storing of top soil by road side at 15 m internal and re-application on		
			embankment slopes, cut slopes and other areas in localities where the available		
			embankment Material is not conducive to plant growth as per Drawing and	cum	150.25
			Technical Specifications.		
23	item no:9.06		Stripping, Storing and Re-laying Top Soil from Borrow Areas in Agriculture Fields.		
		3 3 3333 5	Stripping of top soil from borrow areas located in agriculture fields, storing at a		
			suitable place, spreading and re-laying after taking the borrow earth to maintain	cum	334.99
	a)	100	fertility of the agricultural field, finishing it to the required levels to the satisfaction	Cum	334.77
24	item no:9.07	-	of the farmer as per Drawing and Technical Specifications.		
44	item no.9.07		Preparation and Surface Treatment of Formation. Preparation and surface treatment of Formation by removing mud and slurry,		
			watering to the extent needed to maintain desired moisture content, compacting all	eam	7.69
			complete as per Drawing and Technical Specifications.	sqm	7.09
25	item no:9.08	_	Construction of Embankment with Material obtained from Borrow pits	+	
			Providing, laying, spreading and compacting embankment with borrow material as		
			per Drawing and Technical Specifications.	cum	802.99
26	item no:9.09	10	Construction of Embankment with Material Deposited from Roadway Cutting		
1			Providing, laying, spreading and compacting embankment with roadway cutting		
			material and compact to the required density as per Drawing and Technical		
- 1		1.	Specifications.		

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ROADS FOR FY 079/080

SN	SECTION	Dof to Co		For	Contract Worl
214	SECTION	Ref. to SS	THE MES DESCRIPTION	UNIT	Rate With
			A. Manually		Overhead
			B. Mechanically	cum	765.87
27	item no:9.10		Construction of Rock fill Embankment	cum	396.81
			Providing and laying of rock fill embankment with broken hand in al. 6		
	j	,	isize not exceeding 500 mm laid in layers not exceeding 500 mm think in the		
			Immig of surface voids with stone snalls, blinding top lover with ground and	cum	451.69
	ĺ		roned to required density all complete as per Drawing and Technical	cum.	431.05
			DUCCHICATIONS (Excluding frongeometrics)		
28	item no:9.11		Providing suitable material and Back filling behind abutment, wing wall and return		
			wall complete as per Drawing and Technical Specifications. A. Granular Material		
			B. Sandy Material	cum	4,268.96
				cum	5,007.57
			C. Locally available Material including compaction by tamping rod (with watering) D. Locally available Material including compaction by tamping rod (without watering)	cum	1,001.63
				cum	861.67
			Providing and laying of Filter media with granular Material/stope and a	Cuiti	801.07
20			aggregates to a thickness of not less than 600 mm with smaller size terms 1 11		
29	item no:9.12	1	and bigger size towards the wall and provided over the entire queface but it		- 1
		1	abdulient, wing wall and return wall to the full height compacted to a firm and its	cum	5,074.48
			MINICIC AS DEL HEAWING AND LECHNICOL CHOOLEGAS!	l l	
30	item no:9.13		roylding and filling sand in Foundation Trenches as per Drawing & Technical		
			Specification Political Specification	cum	4,608.70
	Section 10		CUID OD ADV		
31	item no 10.01		SUB-GRADE		· · · · · · · · · · · · · · · · · · ·
	Xtem 110 10.01		Scarifying Existing road Surface to a Depth of 50 mm by Manual Means		
		. [a. Scarifying the existing road surface to a depth of 50 mm and disposal of scarified		78 - 87 - 28 - 19 - 19 - 19 - 19 - 19 - 19 - 19 - 1
		[1	Material with all lifts and leads as per Drawing and Technical Specifications.	sqm	41.60
		լե	o. Scarifying the existing granular road surface to a death of 50 min.		
- 1		s	carified Material with all lifts and leads within Right of way as per Drawing and		
-			Common Specifications (1990 Finto 40m)	sqm	23.00
32	item no 10.02		Scarifying Existing road Surface to a depth of 50 mm by Mechanical Means		
	ł	la	Scarifying the existing road surface to a dual of the		
	1	N	Scarifying the existing road surface to a depth of 50 mm and disposal of scarified Material with in all lifts and 30m lead as per Drawing and Technical Specifications.	sqm	26.07
٦,			Secretarian and interest and som lead as per Drawing and Technical Specifications.	oqii	20.07
			Scarifying the existing bituminous road surface to a depth of 50 mm and disposal		
		S	f scarified Material with in all lifts and lead as per Drawing and Technical pecifications.	sqm	15.08
33	item no 10.03		Construction of Subgrade and Forther Should will		1
3	nem no 10.03		Construction of Subgrade and Earthen Shoulders with approved Material (capping ayer)		
		P	roviding and laying sub-grade and earthen shoulders with approved Material		
	·	0	btained from borrow pits with all lifts & leads as per Drawing and Technical		
+			pecifications.	cum	871.93
4	item no 10.04	C	ompacting Original Ground		
	Cons (i)	IC.	ompacting original ground supporting sub-grade Loosening of the ground upto a		
	Case (i)	110	ver of 500 fillin below the sub-grade level watered graded and assess to	cum	160.13
_		<u> la</u>	vers as per Drawing and Technical Specifications.		100.13
ĺ		fo	osening, leveling and Compacting original ground supporting embankment to		
	Case (ii)	110	contact placement of first layer of embankment, scarified to a double of 150	CUM	02.0=
\bot		d _t	ixed with water at OMC and then compacted by rolling so as to achieve dry	cum	82.87
Τ		Pı	ensity as per Drawing and Technical Specifications. roviding and laying of hand pack Stone soling with 150 to 200 mm thick stones and packing with smaller stones.		
5	item no 10.08	ar	ad packing with smaller stone on prepared surface as per Drawing and Technical		
4		S	pecifications.	cum	8,001.32

सत्य व्याद्यासम्बद्धाः स्पाह विदेशका स्वाधः सम्ब शहरी विकास तथा वाजना स्वाशाखाः

विजयराज सुवेदी प्रमुख प्रशासकीय अधिकृत

SUMMARY OF RATE AND SEOF ROADS FOR FY 079/080

SN		Ref. to S	1 The state of the	UNIT	Contract Wor Rate With
26	Section 12		SUB BASE, BASE, HARD SHOULDER	<u> </u>	Overhead
36	item no 12.1		Providing and laving Granular Sub-Base Material		·
	0		Providing and laying granular sub-base on prepared surface mixing at OMC and	+	
			compacting to achieve the desired density, complete as per Drawing and Tachnical	1	
_		 	specifications.		
		 	A. By Mechanical means	cum	4,468.3
37	item no 12.2	 	B. By Manual means	cum	4,559.0
	Hem no 12.2		Water Bound Macadam Providing Josing American		,,,,,,,,,
			Providing, laying, spreading and compacting Water bound macadam including		
			brooming requisite type of screening/ binding Materials to fill up the interstices of		9
			coarse aggregate, watering and compacting to the required density as per Drawing and Technical Specifications.		
			A. By Manual means	 	
			B. By Mechanical means	cum	6,552.1
38	item no 12.3		Crusher Run Macadam Base and sub-base	cum	5,608.3
			Providing and laying Crusher Run Macadam on a prepared surface approach to the		
			mixing, watering and compacting to form a layer of 63mm maximum size sub-base		
			IVUILISE AS DELI TRAWING and Lechnical Charles	cum	5.096.7
	n n		o. Froviding and laying Crusher Run Macadam on a prepared surface spreading	-	
			and mixing, watering and compacting to form a layer of 45mm maximum size base	cum	5,456.5
39	item no 12.5		course as per Drawing and Technical Specifications	Cum	5,450.5
-	110111012.3		Dry Bound Macadam		
			A. By Manual Means		
		7	Providing, laying, spreading and compacting stone aggregates of specific sizes to		
			ary bound macadam including spreading in uniform thickness, hard pooling and		
			and brooming requisite type of screening/binding Materials to fill up the interstices	cum	7,430.1
			of coarse aggregate, and compacting to the required density as per Drawing and Technical Specifications.		
0	item no 12.6		Wet Mix Macadam		
			Providing, laying, spreading and compacting graded stone aggregate to wet mix		
1			macadam specification including premixing the Material with water at OMC laying		
			in uniform layers in sub- base / base course on well prepared surface and		
- 1			compacting to achieve required density as per Drawing and Technical		
4			Specifications.		
4			A. Base course with B1 material		5 400 5
_			B. Base course with B2 material	cum	5,489.7
_			C. Sub Base course with S1 material	cum	5,489.7
_			D. Sub Base course with S2 material	cum	5,512.74
4				cum	5,473.53
4	Section 13		BITUMINOUS SURFACE AND BASE COURSE		
1	item no 13.1	1302	Prime Coat, with MC 30 / 70		
]	Providing and applying prime coat with Hot Bitumen (including cutter) on prepared		
	j	- 12	surface of granular base including cleaning of road surface and enroying as non	ŀ	
-+			technical Specification.		
\dashv			A. Prime Coat, with MC 30 / 70 by Mechanical Means	lit	164.45
+		I	B. Prime Coat, with MC 30 / 70 by Bitumen, by manual means	lit	305.60
+			C. Prime Coat, with Emulsion by Mechanical Means	lit	118.53
2	;tam 12.2	1202	D. Prime Coat with emulsion, for manual works	lit	208.82
+	item no 13.2	1302	Tack Coat		200.02
	ļ	l l	Providing and applying tack coat with hot Bitumen at specified rate on the prepared		
╁			ion-bitummous surfaces including cleaning as per Technical Speciation		
+		- F	A. Tack coat with Bitumen By Mechanical Means	lit	152.98
+			3. Tack coat with Bitumen by Manual Means	lit	240.16
+			C. Tack coat with Emulsion By Mechanical Means	lit	111.25
+		1207	D. Tack coat with Emulsion By Manual Means	lit	139.09
+	***	1307 E	Situminous Macadam		
	Item No 13.30		roviding and laying bituminous macadam with hot mix plant using crushed		
-	10m 140 13.30	la la	ggregates of grading as per specification premixed with hituminous hinder laid	cum	18,221.87
	Item No 13.60		ver a previously prepared surface as per Drawing and Technical Specifications	A	-,1.07
+	10.00		ituminous Concrete / Asphalt Concrete		
		I P	roviding and laying Bituminous concrete/ Asphalt concrete using crushed		
	1	a	ggregates of specified grading, premixed with bituminous binder and filler as per	cum	27,401.24
	I	117	rawing and Technical Specifications	cum	27,401.24

Jantam 9

सत्य निरायण साह निर्देशक,महाशाखा प्रमुख शहरी विकास तथा योजना महाशाखा

विजयराज सुवेदी

SUMMARY OF RATE ANALYSIS FOR ROADS FOR FY 079/080

Section 14 Servicing and anything and MSZD2 process grawfact concrete Kerth 38 cm * 20 cm * 25 cm (18**91) with 12 mm tick 13 centers and morther dependent on concrete for foundation or sand gravel material, all complete as per Drawing and Technical Socialisations. Section 14 Section 14 Section 14 Section 15 Section 15 Section 16 Section 17 Section 17 Section 17 Section 17 Section 18 Section 16 Section 18 Section 16 Section 18 Section 16 Section 18 Section 16 Section 18 Section 16 Section 18 Section 16 Section 15 Section 16 Section 16 Section 16 Section 16 Section 16 Section 16 Section 16 Section 16 Section 16 Section 16 Section 16 Section 16 Section 16 Section 16 Section 16 Section 17 Section 17 Section 18 Section 16 Section 18 Section 16 Section 18 Section 16 Section 18 Section 16 Section 18 Section 16 Section 18 Se	SN	SECTION	Ref. to S	ITEM DESCRIPTION		Contract Wor Rate With
Prevent Connected M Novel 19 Precent Connected M Novel 19 Prevent Connected Scient Sci		Section 14	1997	KERRS AND FOOTBARE	UNIT	Overhead
Providing and laying of MES20 precase guirhent conerate Kerb 3.8 om "20 cm "35 cm (H*29*1) with 12 mm tible 1.3 centers and mortar bedding and joint including boundation cavavation levelling but excluding foundation concrete for foundation or sand gaven learning all complete as per Drawing and Technical Special Special Control of the Specia	45	Item No 14.10		Precast Cement Concrete M 20 V 28-71		
including foundation excavation leveling but excluding boundation concrete for foundation can or and gravel material, all complete as per Drawing and Technical Section 5. Secti				Providing and laying of M25/20 precast content concert. V. 1.30		
1.58 1.58 1.59 1.50				1 D D) with 12 mill thick 1:3 cement sand morter holding at 1:3.		
Section 15 Section 15 TRAFFIC SIGN, ROAD MARKING, ROAD SAFETY Section 15 Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 15 TRAFFIC Sign, ROAD MARKING, ROAD SAFETY Section 16 Section 16 Item no 15.02 Item no 15.03 Item no 15.04 Item no 15.05 Traffic Sign, Road Marking pain to conforming to NS 405 VS forther section of the				Instituting foundation excavation levelling but evoluting foundation	E .	
Leem No 14.20 Cast in Situ Coment Concrete or natural stone block for footpath A Providing and laying of precast / cast in situ 50 mm thick cement concrete slab footpath on 12 mm thick 1:3 coment sand morar over the prepared base, all complete as per devine and footpath on 12 mm thick 1:3 coment sand morar over the prepared base, all complete as per specification. B, Providing and Laying 25 mm thick. Natural stone slab footpath on 12 mm thick 1: 3 cement sand morar over the prepared base, all complete as per specification. Providing and Laying falls believe the prepared base, all complete as per specification. A Providing and laying falls brick over 60 mm thick sand bed in footpath including excavation sand bedding all complete as per Drawing and Technical Specifications. B, Providing and laying falls brick over 60 mm thick sand bed in footpath including excavation sand bedding all complete as per Drawing and Technical Specification accavation and bedding all complete as per Drawing and Technical Specification accavation and bedding all complete as per Drawing and Technical Specification accavation and bedding and Lorendge the specification. Providing required material and Painting and supporting steel angle nuts and bodd in footpath including complete as per specification. TRAFFIC SIGN, ROAD MARKING, ROAD SAFETY				Touridation of Said gravel material, all complete as per Drowing and T. 1	rm	1,585.6
A. Providing and laying of precase? vest in shits 50 mm thick cement concrete slab footpath on 12 mm thick 12 cement sand morter over the prepared base, all complete as per Deswing and Technical Snecifications. J. School 12 mm thick 12 cement sand morter over the prepared base, all complete as per Deswing and Technical Snecifications and laying 25 mm thick Natural stone slab footpath on 12 mm thick 1; sqm 1.79 J. Hem No 14.30 Dischool 12 mm thick 12 cement sone down for footpath and providing and laying brick on edge over 60 mm thick sand bed in footpath including executations and bedding all complete as per Drawing and Technical Scelification. J. Providing and laying flat brick over 60 mm thick sand bed in footpath including executation sand bedding all complete as per Drawing and Technical Sequence of the same providing and secutations and bedding all complete as per Drawing and Technical Sequence executation sand bedding all complete as per Drawing and Technical Sequence executation sand bedding all complete as per specification. J. Providing and laying 13 mm thick sand bed in footpath including sequence executation sand bedding all complete as per Drawing and Technical Sequence executation sand bedding all complete as per Drawing and steel tube. Jamm 1, 180. Section 15 TRAFFIC SIGN, ROAD MARKING, ROAD SAFETY Supplying and erecting traffic sign in place including 50mm dia steel tube. Jamm 1, 181. Section 15 TRAFFIC SIGN, ROAD MARKING, ROAD SAFETY Supplying and erecting traffic sign in place including 50mm dia steel tube. Jamm 1, 181. Section 15 TRAFFIC SIGN, ROAD MARKING, ROAD SAFETY Supplying and recenting traffic sign in place including 50mm dia steel tube. Jamm 1, 181. Section 15, 10 J. Jamm	46	Item No 14 20		ibbootifications.		
1,47		Xem 10 14.20		A Providing and leave of natural stone block for footpath	1	
1,47				footpath on 12 mm thick 1.2		
B. Providing and laying 25 mm thick Natural stone is lab footpath on 12 mm thick 1: 3 esement sund more than the prepared base, all complete as per specification. A. Providing and laying 18 for the prepared base, all complete as per specification. A. Providing and laying 18 for the prepared base, all complete as per specification. B. Providing and laying 18 for the prepared base, all complete as per specification. B. Providing and laying 18 to free the prepared base, all complete as per prawing and Technical Secsifications. B. Providing and laying 18 to free the providing and recenting the providing and recent providing and providing secaration and bedding all complete as per specification. B. Providing and laying 18 to free the providing secaration and bedding all complete as per specification. B. Providing and laying 18 to free the providing secaration and bedding all complete as per specification. B. Providing and laying 18 to free the providing secaration and bedding all complete as per specification. B. Providing and laying 18 to free the providing secaration and the providing secaration and the providing secaration and the providing secaration and seca				complete as per Drawing and Tackwind Co. 15		1,474.8
Item No 14:30 Brick work for hoopstal Brick work for hoopstal A. Providing and laying thick on edge over 60 mm thick sand bed in footpath including excavation and bedding all complete as per Drawing and Technical Specifications. B. Providing and laying flat brick over 60 mm thick sand bed in footpath including Specifications. B. Providing and laying flat brick over 60 mm thick sand bed in footpath including Specifications. B. Providing and laying flat brick over 60 mm thick sand bed in footpath including Specifications. Sp				D. I Toylding and laying 25 mm thick Natural stone slob fortund		
A. Providing and laying brick on edge over 60 mm thick sand bed in footpath including excavation sand bedding all complete as per Draving and Technical Specifications. B. Providing and laying flat brick over 60 mm thick sand bed in footpath including excavation sand bedding all complete as per specification. TRAFFIC SIGN, ROAD MARKING , ROAD SAFETY supplying and erecting traffic sign in place including 50mm dia steel tube ,2mm thick steel plate cement concrete, painting, writing and supporting steel angle nuts and bolt etc complete a,60 om Dia, circular 60 cm ,equilateral triangle and 60cm*45 cm rectangular shapped signt/single post) 9	17	Ita N. 1400		e said mortal over the prepared bace all complete	sqm	1,797.6
Specifications Spec	4/	nem No 14.30			+	-,,,,,,
Specifications Spec	i			A. Providing and laying brick on edge over 60 mm thick sand bed in footpath	+	
B. Providing and laying flat brick over 60 mm thick sand bed in footpath including excavation sand bedding all complete as per specification. 1,185				morating excavation saily begging all complete as per Drawing and T. 1	sam	1 007 3
Section 15 Section 15 TRAFFIC SIGN, ROAD MARKING, ROAD SAFETY supplying and erecting traffic sign in place including 50mm dia steel tube, 2mm thick steel plate, cement concrete, painting, writing and supporting steel angle nuts and bolt ete complete a),60 cm Dia. circular 60 cm. equilateral triangle and 60cm*45cm rectangular shapped sign(eignele post) b).1.2m*0.75m size bigger traffic sign with back support and two or more post pointing Lines, Dashes, Arrows etc. on Roads in Two Coats Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Specifications. Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Specifications. Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Specifications. Over 10 cm in width/Up to 10 cm in width Road Marking with Hot Applied Thermoplastic Compoundwith Reflectorizing Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound at least 2 mm thick including reflectorizing glass beads as per DOR Traffic sign manual/ Specifications. The finished surface to be level, uniform and free from streaks and holes. 10 On smooth surface (similar to surface dressing) Item no 15.05 1506 PILING FOR STRUCTURES Providing, Boring an					, and	1,707.3
Section 15 TRAFFIC SIGN, ROAD MARKING , ROAD SAFETY supplying and erecting traffic sign in place including 50mm dia steel tube ,2mm thick steel plate, cement concrete, painting, writing and supporting steel angle nuts and both etc complete e),60 cm Dia. circular 60 cm. equilateral triangle and 60cm*45cm rectangular nos 2,507	_			excavation sand hedding all complete so never so me thick sand bed in footpath including	sam	1 105 7
supplying and erecting traffic sign in place including 50mm dia steel tube .2mm thick steel plate ,ement concrete, painting, writing and supporting steel angle nuts and bolt etc complete a),60 cm Dia. circular 60 cm .equilateral triangle and 60cm*45cm rectangular nos 2,507 b).1.2m*0.75m size bigger traffic sign with back support and two or more post nos 6,589 Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dist and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Security of the monor of the providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Security of the providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Security of the mineral surface of the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Security of the mineral surface of the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Security of the mineral surface of the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Security of the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Security of the surf	_			sand beading an complete as per specification.	Sqiii	1,185.74
Item no 15.01 Item no 15.01 Item no 15.02 Item no 15.02 Item no 15.03 Item no 15.02 Item no 15.02 Item no 15.02 Item no 15.03 Item no 15.03 Item no 15.04 Item no 15.05 Item no 15.05 Item no 15.05 Item no 15.05 Item no 15.06 Item no 15.07 Item no 15.07 Item no 15.07 Item no 15.07 Item no 15.07 Item no 15.07 Item no 15.07 Item no 15.07 Item no 15.07 Item no 15.07 Item no 15.07 Item no 15.07 Item no 15.07 Item no 15.07 Item no 15.07 Item no 16.01 Item no 16.0	\dashv	Section 15		TRAFFIC SIGN, ROAD MARKING, ROAD SAFETY	+	
and bolt etc complete a) 60 cm Dia. circular 60 cm. equilateral triangle and 60cm*45 cm rectangular a) 60 cm Dia. circular 60 cm. equilateral triangle and 60cm*45 cm rectangular b) 1.2m*0.75m size bigger traffic sign with back support and two or more post nos 6,589 9 Item no 15.02 1503 Painting Lines, Dashes, Arrows etc. on Roads in Two Coats Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Soscifications. Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Soscifications. Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Soscifications. Over 10 cm in width/Up to 10 cm in width Item no 15.04 1504 Item no 15.04 1504 Item no 15.05 1506 Item no 15.05 1506 Item no 15.05 1506 Item no 15.07 1507 Item	١	Itams 15 01		supplying and erecting traffic sign in place including 50mm die start 1 2	 	
a).60 cm Dia. circular 60 cm .equilateral triangle and 60cm*45cm rectangular shapped sign(single post) 9 Item no 15.02 1503 Painting Lines, Dashes, Arrows etc. on Roads in Two Coats Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Specifications. Over 10 cm in width/Up to 10 cm in width Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Specifications. Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Specifications. Over 10 cm in width/Up to 10 cm in width Item no 15.04 1504 Road Marking with Hot Applied Thermoplastic Compoundwith Reflectorizing Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound at least 2 mm thick including reflectorizing glass beads as per DOR Traffic sign manual/ Specifications. The finished surface to be level, uniform and free from streaks and holes. I) On smooth surface (similar to Asphalt concrete and rigid pavement) sqm 1,380.7 ii) On rough surface (similar to Asphalt concrete and rigid pavement) sqm 1,380.7 sqm 1,380.7 sqm 1,380.7 sqm 1,380.7 sqm 1,580.0 Publy surface and painting and surface as per specification a) standard kilometer post (placed at each 5 KM) Supplying and fixing in place	0	item no 15.01		affect steel plate, cement concrete painting writing and supporting steel		
9 Item no 15.02 1503 Painting Lines, Dashes, Arrows etc. on Roads in Two Coats Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Over 10 cm in width/Up to 10 cm in width Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other Greign matter, demarcation at site and traffic control as per Drawing and Technical November 10 coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Over 10 cm in width/Up to 10 cm in width Isolation of Isolati	_					
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Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Cover 10 cm in width/Up to 10 cm in width Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Societications. Over 10 cm in width/Up to 10 cm in width Item no 15.04 1504 Road Marking with Hot Applied Thermoplastic Compoundwith Reflectorizing Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound at least 2 mm thick including reflectorizing glass beads as per DOR Traffic sign manual/ Specifications. The finished surface to be level, uniform and free from streaks and holes. i) On smooth surface (similar to Asphalt concrete and rigid pavement). sqm 1,076.ct supplying and placing R.C.C. kilometer post including excavation, backfill painting and writing etc.all complete as per specification a) standard kilometer post (placed at each kilometer) nos 4,092.5 Section 16 PILING FOR STRUCTURES Providing, Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm mm 7,715.5 (iii) Pile diameter-500 mm mm 7,715.5	9	Item no 15.02	1503	Painting Lines, Dashes, Arrows etc P. J. Lines, Dashes,	nos	6,589.05
letem no 15.04 Item no 15.05 Item no 15.05 Item no 15.07 Item	T			Providing required material and Pointing Lines 1.1		
Section 16 Sec				coats on new work with ready mixed road marking and arrows etc. on roads in two		
Secifications Over 10 cm in width/Up to 10 cm in width		1	1:	164 on bituminous surface, including cleaning the surface of all 15 to 18		
Over 10 cm in width/Up to 10 cm in width Painting Lines, Dashes, Arrows etc. on Roads in Two Coats on Old Works Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/ IS 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Specifications Over 10 cm in width/Up to 10 cm in width Road Marking with Hor Applied Thermoplastic Compoundwith Reflectorizing Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound at least 2 mm thick including reflectorizing glass beads as per DOR Traffic sign manual/ Specifications. The finished surface to be level, uniform and free from streaks and holes. i) On smooth surface (similar to Asphalt concrete and rigid pavement). gupplying and placing R.C.C. kilometer post including excavation backfill painting and writing etc.all complete as per specification a) standard kilometer post (placed at each kilometer) b) Bigger Km post (placed at each 5 KM) Item no 15.07 Item no 15.07 Section 16 PILING FOR STRUCTURES Providing, Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm (ii) Pile diameter-750 mm Transition Over 10 cm in width/Up to 10 cm in width Providing Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (ii) Pile diameter-750 mm Transition Transition Provided Provided Provided Provided Provided Provided Provided Provided Provided Provided Provided Provided Pro			Į f	oreign matter, demarcation at site and traffic control as per Drawing and T. I. i		
Painting Lines, Dashes, Arrows etc. on Roads in Two Coats on Old Works Providing required material and Painting lines, dashes, arrows etc. on roads in two coats on new work with ready mixed road marking paint conforming to NS 408/1S 164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Specifications. Over 10 cm in width/Up to 10 cm in width Road Marking with Hot Applied Thermoplastic Compoundwith Reflectorizing Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound at least 2 mm thick including reflectorizing glass beads as per DOR Traffic sign manual/ Specifications. The finished surface to be level, uniform and free from streaks and holes. i) On smooth surface (similar to Asphalt concrete and rigid pavement). sqm 1,076.4 ii) On rough surface (similar to surface dressing) Supplying and placing R.C.C. kilometer post including excavation ,backfill painting and writing etc.all complete as per specification a) standard kilometer post (placed at each kilometer) b) Bigger Km post(placed at each 5 KM) Supplying and fixing in place R.C.C delineator and guard post including excavation hack filling,painting and errection etc.all complete as per drawing. Section 16 PILING FOR STRUCTURES Providing, Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm (ii) Pile diameter-500 mm (iii) Pile diameter-750 mm	+					
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164 on bituminous surface, including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control as per Drawing and Technical Over 10 cm in width/Up to 10 cm in width Snacifications			- 1505 I	Providing required material and Principles on Roads in Two Coats on Old Works		1.0.00
Item no 15.04 Item no 15.05 Item no 15.07 Item n			Ĉ	oats on new work with ready mixed read and 1		
Item no 15.04 Item no 15.04 Item no 15.04 Item no 15.04 Item no 15.04 Item no 15.04 Item no 15.04 Item no 15.04 Item no 15.04 Item no 15.05 Item no 15.05 Item no 15.05 Item no 15.05 Item no 15.06 Item no 15.07 Item n			1	64 on bituminous surface, including electrical and marking paint conforming to NS 408/ IS		
Item no 15.04 1504 1504 1504 1504 1504 Road Marking with Hot Applied Thermoplastic Compoundwith Reflectorizing Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound at least 2 mm thick including reflectorizing glass beads as per DOR Traffic sign manual/ Specifications. The finished surface to be level, uniform and free from streaks and holes. 1) On smooth surface (similar to Asphalt concrete and rigid pavement). sqm. 1,076.6 sqm. 1,380.7 sqm. 1			f	oreign matter, demarcation at site and traffic control and or all dirt, dust and other		
Road Marking with Hot Applied Thermoplastic Compoundwith Reflectorizing Glass Beads on Bituminous Surface	╁					
Glass Beads on Bituminous Surface Providing and laying of hot applied thermoplastic compound at least 2 mm thick including reflectorizing glass beads as per DOR Traffic sign manual/ Specifications. The finished surface to be level, uniform and free from streaks and holes. i) On smooth surface (similar to Asphalt concrete and rigid pavement). ii) On rough surface (similar to surface dressing) Supplying and placing R.C.C. kilometer post including excavation backfill painting and writing etc. all complete as per specification a).standard kilometer post (placed at each kilometer) b).Bigger Km post (placed at each 5 KM) Supplying and fixing in place R.C.C delineator and guard post including excavation back filling.painting and errection etc. all complete as per drawing. Section 16 PILING FOR STRUCTURES Providing, Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm (ii) Pile diameter-600 mm (iii) Pile diameter-750 mm	+			Over 10 cm in width/Up to 10 cm in width	sam	404 93
Providing and laying of hot applied thermoplastic compound at least 2 mm thick including reflectorizing glass beads as per DOR Traffic sign manual/ Specifications .The finished surface to be level, uniform and free from streaks and holes. i) On smooth surface (similar to Asphalt concrete and rigid pavement). ii) On rough surface (similar to surface dressing) Supplying and placing R.C.C. kilometer post including excavation ,backfill ,painting and writing etc. all complete as per specification a).standard kilometer post (placed at each kilometer) b).Bigger Km post(placed at each 5 KM) Supplying and fixing in place R.C.C delineator and guard post including excavation ,back filling,painting and errection etc. all complete as per drawing. Section 16 PILING FOR STRUCTURES Providing, Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm m 6,154.9 (ii) Pile diameter-500 mm rm 7,715.5.		Item no 15.04	1504	Load Marking with Hot Applied Thermoplastic Compoundwith Reflectorizing	- Sqiii	404.93
Specifications .The finished surface to be level, uniform and free from streaks and holes. i) On smooth surface (similar to Asphalt concrete and rigid pavement). ii) On rough surface (similar to surface dressing). Supplying and placing R.C.C. kilometer post including excavation ,backfill ,painting and writing etc.all complete as per specification a).standard kilometer post (placed at each kilometer). Item no 15.07 It	T		P	roviding and laying of hot applied thermoplectic control		
Specifications . The finished surface to be level, uniform and free from streaks and holes. i) On smooth surface (similar to Asphalt concrete and rigid pavement) sqm 1,076.6 ii) On rough surface (similar to surface dressing) sqm 1,380.7 Item no 15.05 1506 Supplying and placing R.C.C. kilometer post including excavation ,backfill ,painting and writing etc.all complete as per specification a).standard kilometer post (placed at each 5 KM)				The state of the s		
i) On smooth surface (similar to Asphalt concrete and rigid pavement). ii) On rough surface (similar to surface dressing) Supplying and placing R.C.C. kilometer post including excavation ,backfill ,painting and writing etc.all complete as per specification a).standard kilometer post (placed at each kilometer) b).Bigger Km post(placed at each 5 KM) Supplying and fixing in place R.C.C delineator and guard post including excavation ,back filling,painting and errection etc.all complete as per drawing. Section 16 PILING FOR STRUCTURES Providing, Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm (ii) Pile diameter-600 mm (iii) Pile diameter-750 mm		1	19	pecifications. The finished surface to be level, uniform and free from streets and	ļ	
Item no 15.05 1506 Supplying and placing R.C.C. kilometer post including excavation ,backfill ,painting and writing etc.all complete as per specification a).standard kilometer post (placed at each kilometer) b).Bigger Km post(placed at each 5 KM) Supplying and fixing in place R.C.C delineator and guard post including excavation ,back filling,painting and errection etc.all complete as per drawing. Section 16 PILING FOR STRUCTURES Providing, Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm (ii) Pile diameter-500 mm (iii) Pile diameter-750 mm	+-					
Item no 15.05 1506 Supplying and placing R.C.C. kilometer post including excavation ,backfill ,painting and writing etc.all complete as per specification a).standard kilometer post (placed at each kilometer) b).Bigger Km post(placed at each 5 KM) Supplying and fixing in place R.C.C delineator and guard post including excavation ,back filling,painting and errection etc.all complete as per drawing. Section 16 PILING FOR STRUCTURES Providing, Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm (ii) Pile diameter-500 mm (iii) Pile diameter-750 mm	+-		i)	On smooth surface (similar to Asphalt concrete and rigid pavement)	sam	1 076 64
Item no 15.05 Iso6 Ipainting and writing etc.all complete as per specification a).standard kilometer post (placed at each kilometer) b).Bigger Km post(placed at each 5 KM) Supplying and fixing in place R.C.C delineator and guard post including excavation plack filling, painting and errection etc.all complete as per drawing. Section 16 PILING FOR STRUCTURES Providing, Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm (ii) Pile diameter-750 mm	+		11	Oli rough surface (similar to surface dressing)		
Item no 15.07 Item n	I	tem no 15.05	1506	applying and placing R.C.C. kilometer post including excavation ,backfill	- Julia	1,380.70
Item no 15.07 1507 Supplying and fixing in place R.C.C delineator and guard post including excavation pack filling, painting and errection etc.all complete as per drawing. PILING FOR STRUCTURES Providing, Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm (ii) Pile diameter-750 mm (iii) Pile diameter-750 mm	\top			standard kilometer poet (pleased at a per specification		
Item no 15.07 Supplying and fixing in place R.C.C delineator and guard post including excavation hack filling, painting and errection etc.all complete as per drawing. PILING FOR STRUCTURES Providing, Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm (ii) Pile diameter-750 mm Tim 6,154.9 Trm 7,715.56			(b)	Bigger Km post (placed at each Kilometer)	nos	4,092.54
Section 16 PILING FOR STRUCTURES Providing, Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm (ii) Pile diameter-600 mm (iii) Pile diameter-750 mm	14	tem no 15 07	1505 St	applying and fixing in place R C C delinester and annul and the		
Section 16 PILING FOR STRUCTURES Providing, Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm (ii) Pile diameter-600 mm (iii) Pile diameter-750 mm (iii) Pile diameter-750 mm	1	- 10 13.07	,b:	ack filling painting and errection etc all complete as nor described and excavation	nos	1.586.01
Item No 16.1 Providing, Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm (ii) Pile diameter-600 mm (iii) Pile diameter-750 mm 7,715.56	-					1,500.01
Item No 16.1 Providing, Boring and installing bored cast-in-situ RCC Pile excluding Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm (ii) Pile diameter-600 mm (iii) Pile diameter-750 mm	+	Section 16	PI	LING FOR STRUCTURES		
Item No 16.1 Reinforcement and Concrete in all types of soil including Bentonite and other consumable and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm (ii) Pile diameter-600 mm (iii) Pile diameter-750 mm (iii) Pile diameter-750 mm	1		Pr	oviding, Boring and installing bored cast-in-situ RCC Pile oveluding		
constitution and removal of excavated earth with necessary lifts and lead all complete as per Drawing and Technical Specifications. (i) Pile diameter-500 mm (ii) Pile diameter-600 mm (iii) Pile diameter-750 mm 7,715.56	I	tem No 16.1	K	enforcement and Concrete in all types of soil including Pontania and di		
(i) Pile diameter-500 mm (ii) Pile diameter-600 mm (iii) Pile diameter-750 mm (iii) Pile diameter-750 mm (iiii) Pile diameter-750 mm	1		100	insumable and removal of excavated earth with necessary lifts and lead of		
(ii) Pile diameter-600 mm (iii) Pile diameter-750 mm (iii) Pile diameter-750 mm	1			undicte as per Drawing and Technical Specifications	J	
(iii) Pile diameter-750 mm rm 7,715.50	\Box		(ii)	Pile diameter 600 mm	rm	6,154.91
(M) The diameter-750 min			(ii)) Pile diameter-750 mm	rm	7,715.56
L ((1V) Pile diameter-1000 mm			(iv) Pile diameter-1000 mm	rm	11,711.34

Santann,

रात्य नारायण साह

विजार प्रशासकीय अधिकृत

SUMMARY	OF	RATE	A	OR R	OADS	FOR	FY	079/08	30

SN	SECTION	Ref. to SS	PITEMS PRECEPTION	UNIT	Contract Works Rate With Overhead
	 		(v) Pile diameter-1200 mm	rm	19,802.57
			Providing, Boring and installing bored cast-in-situ RCC Pile excluding		19,002.57
55	Item No 16.2	'	Reinforcement and Concrete in all types of Rock including Bentonite and other	1	-
			consumable and removal of excavated material with necessary lifts and lead all		
		1 1	complete as per Drawing and Technical Specifications. (i) Pile diameter-300 mm		
			(ii) Pile diameter-500 mm	rm	8,624.06
			iii) Pile diameter-600 mm	rm	11,404.19
			iv) Pile diameter-750 mm	rm	15,629.49
			v) Pile diameter-1000 mm	rm	16,972.12
			y - 13 Grantett 1000 linit	rm	26,631.19
	Section 18	F	FALSEWORK, FORMWORK AND SURFACE FINISH FOR CONCRETE		
	Section 16	L 10	DIRUCTURES		*
56	Item no 18.01	P	Providing, Preparing and Installing form work including pecessary supports and	-	
	10.01		enjoying after completion for foundation and footings		
-		l a	Using timber (soft wood)	+ am	702.40
	T. 10.04	P	roviding, Preparing and Installing form work including necessary supports and	sqm	783.48
57	Item no 18.04a	119	emoving after completion for slab structure [class F2 finish] (Falsework not		
		11	nciuded).		
		a)Using timber planks	sqm	1,017.10
58	Item no 18.05	P	roviding, Preparing and Installing form work & removing after completion for	Sqiii	1,017.10
-			day & beam structure.		
		a	Using timber	sqm	1,401.19
59	Item no 18.08.1	P	roviding and assembling in position falsework for the construction of RCC		1,401.17
<i>J</i>	1101110 18.08.1	120	aperstructure and removing after completion including design & drawings as per		
		SI	becification.		
			Using timber		
60	Item no 18.08.2	11	Height more than 2m and upto 4m	sqm	5,049.80
00	110 10.00.2		or RCC Beam Bridges		2,0.0,00
-			Height upto 3m	sqm	9,981.06
	S4' 20				3,201.00
61	Section 20	<u> C</u>	ONCRETE FOR STRUCTURES		
61	Item no 20.1	C	ONCRETE FOR STRUCTURES	 	·
		Pr	roviding and laying of Plain Cement Concrete M 10 (or 1:3:6 for nominal mix) in		
		1.(difficultion complete as per Drawing and Technical Specifications		
	~	B	y Mechanical means	cum	11,402.64
		B	y Manual Means	cum	11,622.86
62	Item no 20.2	Pr	oviding and laying of Plain/Reinforced Cement Concrete in Foundation complete		11,022.00
7		as	per Drawing and Technical Specifications.		
-+			y Mechanical means		
-+			PCC Grade M 15/40	cum	13,307.69
\dashv			PCC Grade M 20/40	cum	14,464.98
\dashv			PCC Grade M 20/20	cum	14,512.74
\dashv			PCC Grade M 25/20	cum	15,424.80
-			PCC Grade M 30/20	cum	15,443.18
-+			Manual means		10,1.0.10
+			PCC Grade M 15/40	cum	13,871.61
-+			PCC Grade M 20/40	cum	15,028.90
-			PCC Grade M 20/20	cum	15,076.66
-			PCC Grade M 25/20	cum	15,987.36
-+			PCC Grade M 30/20	cum	16,004.38
3	Item no 20.3	Pro	oviding and laying, fitting and placing un-coated Mild steel / HYSD	- Cum	
-		rei	niorcement complete in foundation as per drawing and toobsidely and its	ton	141,045.20
4	Item no 20.4	1110	Sylding and laying of Plain/Reinforced cement concrete in sub-structure complete		
\dashv		as	per drawing and Technical Specifications		
+		a. I	PCC Grade M 15 (Height upto 5 m)	cum	14,075.44
-		b. 1	PCC Grade M 20/40 (Height upto 5 m)	cum	15.299.50
+		c1.	PCC Grade M 25/20 (Height upto 5 m)	cum	16.354.00
+		c2,	PCC Grade M 25/20 (Height upto 5-10 m)	cum	16,948.70
+		c3.	PCC Grade M 25/20 (Height above 10 m)	cum	17,692.06
+		d1.	PCC Grade M 30/20 (Height upto 5 m)	cum	
		d2.	PCC Grade M 30/20 (Height above 5 m to 10 m)	cum	16,413.04 17,009.88
1			PCC Grade M 30/20 (Height above 10 m)		

सत्य काराद्या साह विजयराज सुवका निर्देशक,महाशाखा प्रमख

SUMMARY OF RATE AN ROADS FOR FY 079/080

(A.E.)	THE LOCK SHOPE		A COLOR	For	Contract Work
SN	SECTION	Ref. to SS	ITEMS DESCRIPTION	UNIT	Rate With
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Providing and laying, fitting and placing HYSD bar reinforcement in sub-structure	UIVII	Overhead
65	Item no 20.5		complete as per Drawing and Technical Specifications	ton	143,444.10
66	Item no 20.6		Providing and laying ,fitting and placing Mild steel reinforcement complete in sub-		,
00	HeIII IIO 20.0		structure as per drawing and Technical Specification	ton	147,894.60
		и	structure as per drawing and Technical Specification Providing and laying weep holes in Brick dry/Plain/ Reinforced concrete abutment,	-	
			wing wall/return wall with 110 mm dia HDPE pipe, extending through the full		
67	Item no 20.7		width of the structure with slope of 1V:20H towards drawing face Complete as per	m	627.40
			Drawing and Technical Specifications (the size of the weep hole shall be 150 mm x		027.10
			80 mm or circular with 150 mm diameter)		
		<u> </u>	SUPER STRUCTURE		
68	Item no 20.8		Providing and laying of Reinforced/ Pre-stressed cement concrete in super-structure		
		 	as per drawing and Technical Specification A. PCC Grade M 20/20		
	:	†	a. For solid slab super-structure		
					
			(i) Height upto 5 m	cum	20,803.62
$\neg +$		1	(ii) Height above 5 m to 10 m	cum	21,497.07
			(iii) Height above 10 m	cum	22,190.52
\rightarrow			b. For T-beam & slab,		
	-		(i)Height upto 5 m	cum	22,190.52
			(ii) Height above 5 m to 10 m	cum	22,883.98
			(iii) Height above 10 m	cum	23,577.43
\dashv			B. PCC Grade M 25/20		
\dashv			a. For solid slab super-structure		
-+			(i)Height upto 5 m	cum	22,204.32
		 	(ii) Height above 5 m to 10 m	cum	22,944.46
	****		(iii) Height above 10 m	cum	23,684.60
-			b. For T-beam & slab,		
-	3		(i)Height upto 5 m	cum	23,684.60
-+			(ii) Height above 5 m to 10 m	cum	24,424.75
\dashv			(iii) Height above 10 m	cum	25,164.89
\dashv			C. PCC Grade M 30/20	,	
-+			a. For solid slab super-structure		
-+			(i)Height upto 5 m	cum	22,588.42
\dashv			(ii) Height above 5 m to 10 m	cum	23,341.36
-			(iii) Height above 10 m	cum	24,094.31
-	· · · · · · · · · · · · · · · · · · ·		b. For T-beam & slab,		
			(i)Height upto 5 m	cum	24,094.31
			(ii) Height above 5 m to 10 m	cum	24,847.26
-+			(iii) Height above 10 m	cum	25,600.20
69 ·	Item no 20.9		Providing and laying, fitting and placing HYSD bar reinforcement in super-	ton	142,885.20
		1	structure complete as per drawing and technical specifications Providing and laying of PCC M 15 Grade leveling course below approach slab	ton	142,000.20
70	Item no 20.10		complete as per drawing and Technical specification	cum	12,795.86
			somptote as per drawing and recinical specification		
	Section 24	i i	RIVER TRAINING AND PROTECTION WORKS		
71	Item no 24.1		Gabion Structure for Retaining Wall		- ·
		, [1	Providing and laying Gabion structure for retaining earth with diaphragm including		
- 1	ii .	r	olling, cutting weaving, placing, laying sides and diaphragms with binding wire		
			and filling boulders all complete as per Drawing and Technical Specification	2	
		F	A. Mesh wire- 10 Swg(0.0615 kg/m), Selvedge Wire 8 Swg (0.1057 kg/m), binding		n
		v	vire 12 Swg (0.0409 kg/m) Hexagonal mesh Type 100 mm X 120 mm		e e
-		(i) Box size 3 X 1 X 1 m (16 sqm)	cum	7,170.46
		(ii) Box size 2 X 1 X 1 m (11 sqm)	cum	7,246.57
		(iii) Box size 1.5 X 1 X 1 m (9 sqm)	cum	7,621.62
		(iv) Box size 1.0 X 1 X 1 m (6 sqm)	cum	7,638.64
		F	3. Mesh wire- 10 Swg(0.0615 kg/m), Selvedge Wire 8 Swg (/m), binding wire 12		,,000.01
		S	Swg (0.0409 kg/m) Hexagonal mesh Type 80 mm X 100 mm.		
		(i) Box size 3 X 1 X 1 m (16 sqm)	cum	7,616.93
		(ii) Box size 2 X 1 X 1 m (11 sqm)	cum	7,699.87
			iii) Box size 1.5 X 1 X 1 m (9 sqm·)	cum	7,932.22
	-		iv) Box size 1.0 X 1 X 1 m (6 sqm)	cum	7,949.68
72	Item no 24.7	10	GEOSYNTHETIC AND REINFORCED EARTH		

सिर्वा है। जिल्ला प्रमुख विदेशक नहालाखा प्रमुख करो विकास नथा योजना महाशाखा

रविजायराजा सुवदा

SN	SECTION		LESS TO THE STATE OF THE STATE	For Contract Work	
		Ref. to SS		UNIT	Rate With Overhead
			Sub-Surface Drain with Geotextiles		
			Providing and laying sub surface drain 200 mm dia using geotextiles treated with carbon black to a stable network and a planar geo-composite structure, joints wrapped with geotextile to prevent ingress of soil, including excavation and backfilling as per Drawing and Technical Specifications. Providing and laying Grouted Stone Pitching in protection work, with stone size not less than 0.01 arms and the stable of the st	m	2,175.50
73	Item no 24.17		less than 0.01 cum and cement: sand mortar (1:3) all complete as per Drawing and Technical Specifications.	cum	14,209.18
74	Item no 24.20		Providing and laying HDPE pipes with perforations including joining, providing and laying HDPE pipes with perforations including joining series II		
			(1) series II, HDPE pipe 250 mm dia	m	2,508.4
			(ii) series II, HDPE pipe 160 mm dia	m	890.55
75	Item no 24.21		Providing and laying Plum concrete (Boulder mixed concrete) as per Drawing and Specifications (using Mechanical Aids)		
			A. 60% M 15 concrete and 40% boulders/stones	cum	11,359.60
			B. 70% M 15 concrete and 30% boulders/stones	cum	13,231.79

सेत्य नाराजणा साह निर्देशन,गरामा प्रमुख शहरी विकास तथा योजना महाशाखा

SN	SECTION	Dof 4. Co			Contract Work Rate With
SIN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Ref. to SS		UNIT	Overhead
	Section 25		BRICK WORKS FOR STRUCTURES	· · ·	
76	Itam no 25 1		Providing and laying Brick Masonry Work in Cement mortar in Foundation /		
76	Item no 25.1		structure complete excluding Pointing and Plastering, as per Drawing and Technical		
		 	Specifications. A. Cement sand mortar (1:2)		
	***************************************		B. Cement sand mortar (1:2)	cum	16,860.43
		 	C. Cement sand mortar (1:4)	cum	16.348.59
			D. Cement sand mortar (1:6)	cum	15,994.26
	**			cum	15,647.07
77	Item no 25.2		Providing and laying Brick masonry work in superstructure/ sub-structure complete excluding pointing and plastering, as per drawing and Technical Specifications		
			A. Cement sand mortar (1:2)	cum	16,983.17
			B. Cement sand mortar (1:3)	cum	17,673.17
			C. Cement sand mortar (1:4)	cum	17,301.12
			D. Cement sand mortar (1:6)	cum	16,936.57
78	Item no 25.3		Providing, and applying Pointing with cement mortar (1:3) on brick work in		
			structure as per Technical Specifications .	sqm	298.11
79	Item no 25.4		Providing and applying 12.5 mm thick Plaster with cement mortar on brick work		
		 	structure as per Technical Specifications		
			A. Cement Mortar 1:2 (1 cement : 2 sand) B. Cement Mortar 1:3 (1 cement : 3 sand)	sqm	467.03
			C.	sqm	432.34
			Cement Mortar 1:4 (1 cement : 4 sand)	sqm	413.27
			Providing and laying weep holes in Brick works / Masonry/ Plain/ Reinforced		·····
80	Item no 25.5	1	concrete abutment, wing wall/ return wall with 100 mm dia HDPE pipe as per	m	786.45
			Drawing and Technical Specifications.	***	760.43
	Section 26		MASONRY FOR STRUCTURES		
81	Item no 26.1		Providing and laying of dry Stone Masonry Work as per Drawing and Technical		C 460 42
			Specifications.	cum	6,460.43
82	Item no 26.2		Providing and laying of Random rubble stone Masonry in mud Mortar as per	cum	8,042.74
	····		Drawing and Technical Specifications. Rubble Random Masonry		0,012.71
			Providing and laying of Stone Masonry Work in Cement Mortar 1:3 in Foundation		
83	Item no 26.3.1	l	complete as per Drawing and Technical Specifications.	cum.	12,546.36
84	Itam 26 2 2		Providing and laying of Stone Masonry Work in Cement Mortar 1:4 in Foundation		
04	Item no 26.3.2		complete as per Drawing and Technical Specifications.	cum	12,077.51
85	Item no 26.3.3		Providing and laying of Stone Masonry Work in Cement Mortar 1:6 in Foundation		44 -44 40
-	1011110 201313		complete as per Drawing and Technical Specifications.	cum	11,531.39
86	Item no 26.4		Providing and laying Stone Masonry work in cement mortar 1:3 in structure		
		 	complete as per drawing and Technical Specifications		****
			A. Random Rubble Masonry	cum	14,082.87
			B. Coursed rubble Masonry (first sort)	cum	14,474.86
87	Item no 26.5		Providing and laying Stone Masonry work in cement mortar 1:4 in structure complete as per Drawing and Technical Specifications		•
			A. Random Rubble Masonry (uncoursed)		12 500 05
			B. Coursed rubble Masonry (first sort)	cum	13,588.95
			Providing and lying Stone Masonry work in cement mortar 1:6 in structure complete	cum	13,998.86
88	Item no 26.6		as per Drawing and Technical Specifications		
			A. Random Rubble Masonry (coursed/uncoursed)	cum	13,102.18
			B. Coursed rubble Masonry (first sort)	cum	13,102.18
90	Itom no 26 7		Providing and Pointing with cement mortar on masonry work in structure as per	Culli	13,307.33
89	Item no 26.7		Technical Specifications		
			A. cement mortar (1:3)	sqm.	289.92
			B. cement mortar (1:2)	sqm	301.98
			C. cement mortar (1:1)	sqm	330.89
			/	1	

सत्य व्याप्त है हैं विदेशक हैं कि बाज का महाज्ञाचा

विस्थाराज सुवेदी

SN	SECTION	Ref. to SS		For Contract Wor	
	Section 30		P TITEMS DESCRIPTION	UNIT	Rate Wit
		1	SUB-SURFACE GEOTECHNICAL INVESTIGATION Excavation of pits/trenches for make for the control of		Overhead
90	Item no 30.1		Excavation of pits/trenches for sub-surface Geo-technical investigation in mixed soil and lifting of material all parallel for		
			soil and lifting of material all complete (Length & breath depending upon working condition) as per direction of the Engineer.		
_			I. Depth up to 3 m		
_		1	II. Depth up to 3 - 4.5 m	cum	862.
91	Item no 30.2	1	Mobilisation and Demobilisation of drilling / Devi	cum	1,069.
-					
\dashv			I. BT Surfaced Road (Speed with load: 15 km / hour.)		
-			T = with folder: 15 km/ flour.)	km-job	916.
92	Item no	1	RCC Hume Pipe		
,			A) Rcc hume pipe - NP2		
1		I	For one or first pipe.		
1)		I	Pipe having 150 mm diameter.		
)		F	Pipe having 200 mm diameter.	R.m	763.0
)		F	Pipe having 250 mm diameter.	R.m	1,006.2
)		P	Pipe having 300 mm diameter.	R.m.	1,233.9
4		P	Pipe having 400 mm diameter.	R.m	1,684.
4		P	Pipe having 450 mm diameter.	R.m	2,285.0
1		P	ipe having 500 mm diameter.	R.m	2,409.2
1		P	ipe having 600 mm diameter.	R.m	2,685.2
\perp		P	ipe having 700 mm diameter.	R.m	3,797.3
\perp		P	ipe having 750 mm diameter.	R.m	4,611.5
\perp		P	ipe having 900 mm diameter.	R.m	5,016.3
		Pi	ipe having 1000 mm diameter.	R.m	7,460.0
		Pi	ipe having 1200 mm diameter.	R.m	8,625.0
		Pi	ipe having 1500 mm diameter.	R.m	10,609.9
		Fe	Or every subsequent size I	R.m	21,890.2
		Pi	or every subsequent pipe having a length of minimum 1 m pe having 150 mm diameter.		21,070.2
\mathbf{I}^{-}		Pi	pe having 200 mm diameter.	R.m	748.50
T		Pi	pe having 250 mm diameter.	R.m	1,019.85
Τ		Pi	pe having 300 mm diameter.	R.m	1,247.55
Τ		Di	pe having 300 mm diameter.	R.m	
Т		Di	pe having 375 mm diameter.	R.m	1,727.69 2,049.69
		D;	pe having 400 mm diameter.	R.m	2,327.99
		Die	pe having 450 mm diameter.	R.m	2,452.19
T		D:	pe having 500 mm diameter.	R.m	
_		Pi	pe having 600 mm diameter.	R.m	2,728.19
		— Pi	be having 750 mm diameter.	R.m	3,996.82
T-		Pip	pe having 800 mm diameter.	R.m	5,403.58
		Pip	be having 900 mm diameter.	R.m	5,949.83
		IP1p	be having 1000 mm diameter.	R.m	8,172.55
		Pip	be having 1200 mm diameter.		9,337.50
		Pip	e having 1500 mm diameter.	R.m	12,013.88
		Pip	e having 1200 mm diameter.	R.m	23,449.48
		Pip	e having 1500 mm diameter.	R.m	19,032.50
	Sauti .			R.m	29,767.75
	Section	HD	PE DOUBLE WALL CORRUGATED PIPE		
	Item no	Pro	viding and laying HDPE DWC pipes for sewage and rain water Non processes		
		(i) L	Laying of HDPE Double Wall Corrugated Pipes (internal dia. 150mm)		
			Daying Of the Double Wall Corresponded Dimes Co. 1 11 and	rm	1,361.72
		(***)	Daying Of HDFE Double Wall Corrugated Dinas Cont. 1 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	rm	2,035.62
		1(2.7)	Laying of Tibi L Double Wall Corrugated Pipes (intermed 1: 200	rm	2,581.87
			July Of The Double Wall Corresponded Diman C. 4 1 1 100	rm ·	4,228.67
		1(11)	In the Double Wall Corrugated Dinos Control 1 12 400	rm	5,461.47
		(111)	Daying of the Dollole Wall Corrugated Dinas Cintary 1 1:	rm	6,552.82
			Duying Of Indie Double Wall Corresponded Dimen (: 1 11 000	rm	11,078.53
	1	(4)	Laying of HDPE Double Wall Corrugated Pipes (internal dia. 800mm)	rm	17,754.28

Jantonin ,

हात्य लाजा साह निर्देशक महाराजा प्रमुख शहरी विकास तथा योजना महाशाखा मिन प्रभावकोय अधिक्त स्थादाजा स्थिदी