BILL OF QUANTITY

Name of Work: Construction of Didihat to Jamtari (Stage - I) Motor road in K.M. 10.525 under PMGSY.

Block: Kanalichhina

District : Pithoragarh

242

S/No	Reference to MORD Specification	14				
0/140	Opecinication	Item of Work	Qty	Uni	t Rate	Amount
1	1603.1	HILL SIDE CUTTING				
1	1003.1	Earth work in hill road (hill side				
		cutting/filling):- Excavation in hilly				
		area for construction of road in all				
		types of soils & rocks with E&B and				
		BLB as met at site true to lines as per plan, X section, L section camber,				
		super elevation as required also				
		including uprooting & cutting of bushe				
		dressing of road surface to the	es			
		required level and slopes with all lead				
		lifts and safe disposal of surplus	1			
		excavated material at suitable				
		dumping places by mechanical means		-		
		manual means indicated in the	5/			
7		drawing with out damaging forest and				
		forest land including slip clearance				
		during hill side cutting as directed by				
		Engineer-in-charge.				
		30.				
				-		
A	8-3-2-A	Soil	107110.00			
3	8-3-4	Ordinary Rock	107412.23	Cum	105.30	11310507.82
	B-3-5-A	Hard Rock	46158.42 5822.62	Cum	157.00	7246871.94
		Sub-Total	159393.27	Cum	288.10	1677496.82
2	As per PWD	Cartage for excavated materials (Soil)	100000.21	Cum	-	20234876.58
	specification	at a suitable dumping places for				
		environmental protection of Khud side				
		land of the road and as directed by	20.10 -			
1		Engineer-in-Charge & as per P.W.D.	22049.54			996639.2
3		specification.	31878.65	Cum	45.20	1440914.98
,	As per PWD	Slip Clearance after hill side cutting			/	11110014.50
	specification	during rainy seasons including supply				
		of all materials, labour, T&P etc				
		required for proper completion of work				
		and as directed by Engineer-in-Charge				
		& as per P.W.D. specification.	24400 45			
			21482.45		68.60	1473696.07
		PROTECTION WORK :			Total	23149487.63
		Excavation for Structures: - Earth				227052111
		work in Excavation foundation for				
		cross drainage structures, retaining				
	V	valls, breast walls & other similar				
	S	structures in all types of soils and				
	r	ocks as met at site with all leads, lifts				1
	a	and disposal of surplus earth as				Herted
	C	lirected by engineer in charge				Mester
	ir	ncluding supply of all material labour				HATCH
	T	&P etc. required for proper			roll.	1
	C	ompletion of work in accordance with		40	WPX	
	tt	ne MORD specification:	nha	No	X	
-			12 1		copy.	
			1		/AM	
	A CONTROL OF THE CONT					

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S/No	Reference to MO Specification			1	Lingiliteering Cons	ultants Pvt.Ltd.,D.Dun
A	8-4-1	Item of Work For R/Wall & B/Wall	Qty	Un	it Rate	
5	1604.3	Pondara D. Mall		83 Cum	-	Amount
5	1604.3	Random Rubble stone masonry for		oo our	243.3	897492.9
- 1		structures laid in 1:5 cement & sand				601400.
		mortar by locally available approved				10116
		Stone and sand from approved quarry				24
		including supply of all materials				
		labour, T&P etc required for proper				
		completion of work as per drawing &				
		as per MORD specification for cross				
		drainage structures, retaining walls,				
		breast walls a other rivilla				
		breast walls & other similar structures		1		
		etc. as directed by Engineer-in-Charge.				
		Charge.				
A .	0-4-3					
A 6	704.6, 1604.3	For R/Wall & B/Wall	2874.5	0 Cum	3105.60	/
	16-3	Random Rubble stone masonry for	8595.6	7 Cum	3105.60, 1557.70	
	10.0	structure laid dry by locally available		· Outil	1337.70	13389475.16
		approved stone, including supply of all				
		materials, labour, T&P etc required for				
		proper completion of work as per				
		drawing & as per MORD specification		1		
		for retaining walls, breast walls & other				
		similar structures as directed by				
		Engineer-in-Charge.				
7	1204.3.8					
	1204.3.0	Providing & laying filter media as Hand				
1		packed stone tilling in the back of				
		retaining walls, abutments wing walls				
		etc. by locally available approved				
		Stone including supply of all material				
		labour, T&P etc. required for proper				
		completion of the work as directed by				
		Engineer in charge.				
	8-4-7	For R/Wall				
	1608.2.6	Providing Edge stone on valley side of	5268.26		597.80	3149365.83
		formation as per drawing including	0.00		52.97	0.00
		supply of all materials ,labour,T&P etc.		No.		
.		required for proper completion of the				
1:		work as per MORD Specification and				
		as directed Engineer-in-charg.				
		do directed Engineer-in-charg.		-		
	700, 1208.4	Construction of parapet in RR stone				
		masonry laid in 1:5, C/S mortar				
		providing M10 cement concrete in top,				
		plaster in 1:4 C/S mortar & flush				
		pointing in 1:3 C/S mortar as required				
		and specified in data:				
		and specified in detailed drawing with			•	
		white washing complete as per the			-	
		direction of Engineer in charge.(
		without base concrete)				
			 204.00			
		Construction of parapet in RR stone	284.00 R 92.00 R	mt	1107.91	314646.44
		masonry laid in 1:5, C/S mortar	02.00 K	arre	1630.33	149989.992
		providing M10 cement concrete in top				14-9990.3
		plaster in 1:4 C/S mortar & flush				
		The first and the street of th				
		pointing in 1:3 C/S mortar as required		- 1		
EC. F		pointing in 1:3 C/S mortar as required				
EC. F.		pointing in 1:3 C/S mortar as required and specified in detailed drawing with				
j j		pointing in 1:3 C/S mortar as required and specified in detailed drawing with white washing complete as per the				
Z,		pointing in 1:3 C/S mortar as required and specified in detailed drawing with				
1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /		pointing in 1:3 C/S mortar as required and specified in detailed drawing with white washing complete as per the direction of Engineer in charge. (witht	Dha	ta		Hosto

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		∀	2.26	Pod Harving San		(altern)			
Г	-	Reference to MOR			M	AGOT E	ingineering Cons	sultants Pvt.Ltd.,D.Dun	
S	/No	The second control of	Item of Work					Treation, D. Doil	7
-	10	1301.4.3	Providing and laying of boulder apro	Qty		Unit		Amount	2 A A
			laid in wire crates with 4 mm dia G	on 88	33.13	Cum	2017.6	1781793.0	241
		14-2	Wire conforming to IS: 280 & IS: 482	0.1.					
	- 1		in 100mm x 100mm mesh (wove	20				170.0.	+ cce
	1		diagonally) including 10% extra for	or				178180	少,01
			liaps and joints laid with stone houlder	rel					
			weighting not less than 25 Kg each a	ac l					12
			per drawing and technical specification	on					W. V. L.
			of MORD and as directed by Engineer in charge	er		1			
1	1	1602.1,1602.2,1602	.3		-		-		
		16-32-2	Providing and fixing of cutting/back						
		10-32-2	pillars of RR stone masonry with						
			Mud mortar of soze						
			30x30x40including top & three face		1				Applied to
			plaster & material as directed by		- 1				
			below ground, disposal of surplus						
			material as directed by Engineer in		1				1842
			charge for proper completion of						
			work duly painted and written as			.			
9			per of Er-in-charge (40 No/Km) as			1			8.1
-			per MORD specification Clause No.			Per			
13	-	000 4 4000 0	1602.1, 1602.2, 1602.3	421.00		No.	231.70	07545.70	
12	1	602.1,1602.2,1602.3	3		+	110.	231.70	97545.70	
		16-32-3	Providing and fixing of job pillar of						•
		16 32 3	RR stone masonry with Mud mortar						
			of size 40x40x60 in depth including						
			top & three face plaster &						
			excavation 10 cm below ground,						
			disposal of surplus material as						
			directed by Engineer in charge for						
			proper completion of work duly				1		
			painted and written as per of Er-in-		1				
			charge (4 No/Km) as per MORD						
			specification Clause No. 1602 1		1.	Per			
12	140	200 1 100	1602.2, 1602.3	2.00		No. I	E00 60/		
13	10	502.1,1602.2,1602.3			+	10.	582.50	1165.00	
		16-32-1	Providing and fixing of reference						
			pillar of RR stone masonry with						Control of the contro
1			Mud mortar of soze 20x20x30						
7			including top & three face plaster &						A control of the cont
			top edge reference pillar shall be at						1
			ground level and disposal of		1.				
			surplus material as directed by		1				
			Engineer in charge for proper						10 mg
			completion of work duly painted					9	100 miles
			and written as per of Er-in-charge						
			(40 No/Km) as per MORD						The state of the s
			specification Clause No. 1602.1,		P	er			
14			1602.2, 1602.3	421.00	1	10.	64.20	27028.20	
			Granular sub-base/base/surface		1			2.020.20	The second secon
			course with local materials by mix						
			in place method normal.						
			Construction of granular sub-base						1
		-	by providing local material			,		1	A Company of the Comp
- 1			spreading in uniform layers with		1	Short	Droshi	Affectual	24.77 ac
1			motor grader on prepared surface,		K	11	Copy	Lann	A Committee of the Comm
		, I'r	mixing by mix in place method with otavator at once and compacting		1		V		
	-		with smooth wheeled roller to					5 4 -	
	1_1		achieve the desired density		2		XX	am	
			complete as per Clause 401.4 and				V	1	
			The street of th		1	-	सहायक 3	AMAZINES	1
			as per Technocal Specification				1 /	N (1) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4
-		a	as per Technical Specification			N	1 /	लो०नि०वि०	4
			as per Technical Specification Clause 408. SI No 4.11 (1) (ii)	5117.36	Cu	1	1 /	लों०नि०वि७ ॰	4.

	Reference to MOF	RD		- M	IAGOT E	ingineering (Consulta	nts Pvt.Ltd.,D.D	un
S/No	Specification	Item of Work	1		1	1			
		Side Drain	Qty		Unit	Rate	9	Amount	
15	307.2	Construction of Hill - 1 - 16							
		Construction of Hill side Kutcha dra	in				-		2
	16-14-Q	(0.50mX 0.45m) size as per drawin excluding in gaps for C/D structure	ng				- 1		T.
1		including execution in C/D structure	es						
- 1		including excavation in all type of so	oil						
		and rock as met at site with a	all						
		material, labour, T&P lead, lift (&						
	**	disposal of excavated material etc. as	S						
		directed by Engineer in charge.							
16	1606.1	Construction of Hill side Pucca KO	9000	0.00	Rmt	92	.60	833400	100
	16-13-3-9	drain in accordance with the	1	- 1				000100	7.00
	1 2 3	requirement of specification true to line							
		land grades. Dimensions and other	-						
		particulars as per drawing including all	1						
		material labour T&P, etc. required for	-1						1
		proper completion of the work as							
		directed by Engineer in charge.							
			100	00/5			1		1
			499	.00 F	kmt.	695.		346854.	90
47	4555	CROSS DRAINAGE WORKS		-		To	tal	1180254.	90
17	1606.5	Construction of Pucca scupper		-					
	16-12-2	including catch pit, including supply of							
		all materials, labour, T&P etc required							
		for proper completion of work as per							
		Jurawing & MORD specification as							
		directed by Engineer-in-Charge.							
8			469.8	30 M	tr	21020		400'0==	1
		Providing & Laying M10 grade plain	.00.0	IVI		21936.9	U	10305955.6	2
		Cernent concrete in open foundation					1		
		as per MORD specification including	I.						
		all material labour T&P etc. as directed							
		by Engineer in							
	900	charge (Causeway/Culvert/Bridge)			1				
)	800		133.7	8/0	ım	C 10-	1		
	704.4	C.R. Stone masonary laid in 1:4	100.7	0100	1111	5499.10	1	735669.60	2
	12-4-1-2	cement/sand mortar for abutment of				1			1
		minor bridges, culverts etc. including							
		all material labour T&P etc. required							
		for proper completion of work as							
		directed by Engineer in charge (for							
		Culvert/Bridge)	207.06	C	um	4428.90	/	047040	1
		C.R. Stone masonary laid in 1:5		1		7420.90		917048.03	
1	2-4-1-3	cement/sand mortar for abutment of				/			
		minor bridges, culverts etc. including							
		all material labour T&P etc. required							
		or proper completion of work as							
		directed by Engineer in charge. (for							
	- 19	Zuiven/Bridge)	218.43	Cu	ım	4003.80	/	874550.03	1
	13-1-2	P/L M25 grade R.C.C in slab of culvert	•			/ /		014000.03	
		and minor bridges as per MORD specification including all material	-					5.7	
		abour T&P etc. as directed by							
	1200 E	ingineer in charge.							
1			198.29	Cu	m	8303 30		100100	
	13-4	pply, fitting and placing MS bar	100.29	Ou		8393.30	/	1664307.46	
	10-0	einforcement in superstructure						1	
	C	omplete as per drawing and technical						1	
	1202	pecification Clauses 1002,1010 and					47	011007.7	-
	11.	202	138.87	Qtl		5723.94	7	79400000)
	15	OAD ELIDAUET		-4.0	Tota		11	794909.02 5292439.76	
	1703 P	OAD FURNITURE			1 012		15	0/1 0/11/1	90
		oviding and fixing of Kilometer					100	142414	1
	St	one as per standard drawing made							A
	OT	precast R.C.C. M15 grade fixed with			1	. 1	001	allow	to d
1	; P.	C.C. M10 grade, including			M	etoce	Try	JAM AN	4
1	ex	cavation of pit, painting and printing			1	V 5			
	let	ters on kilometer stone with two coat	5/3 1 1 1				Do	n	
	101	synthetic enamel paint of approved					1/2	1	
	Iqu	ality as directed by Engineer in				W. W.	यक	अभिरान्त	
	ch	arge.				P			
			10.00		1	I'w ms	3JUE	लोवनिवनि	

MAGOT	Engineering	Consultants	Pv+ I	td	D 1	· · ·

	Reference to MOR	MAGOT Engineering Consultants Pvt.Ltd.,D.Dun							
S/No	Specification	Item of Work			-				
24	1703	Providing and fixing of 5th Kilometer	Qty	Unit	Rate	Amount			
		stone as per standard drawing made				Amount			
		of precast R.C.C. M15 grade fixed with				214			
		P.C.C. M10 grade, including				244			
		excavation of pit, painting and printing							
		letters on kilometer stone with two coat							
		of synthetic enamel paint of approved							
		quality as directed by Engineer in							
		charge.							
25			2.00						
25	1703	Providing and fixing of Hectometer	2.00	Nos	3687.20	7374.40			
		stone as per standard drawing made							
		of precast R.C.C. M15 grade fixed with							
		P.C.C. M10 grade, including							
		excavation of pit, painting and printing							
		letters on kilometer stone with two coat							
		of synthetic enamel paint of approved							
		quality as directed by Engineer in		- 1					
		charge.							
26	1704 0 0 0 4===		42.00 N	loc	507 =				
20	1701.2.6 & 1701.2.7	in the limbility of the limbility in the	42.00 N	105	587.50	24675.00			
		Board with PMGSY Logo at suitable							
		place in the starting of the road as per							
1		attached standard drawing duly							
1		painted and written as per the MORD							
		specification and direction given by		15					
		Engineer in charge.							
27	1701.2.2	Providing & fixing of Semi reflective	1.00 N	os	12707.80	12707.80			
		Traffic Sign Boards (cautionary,							
		mandatory & informatory) as per							
	10-2-B-(ii)	attached drawing duly painted and							
- 1		written as per the MORD specification							
		and as directed by Engineer-in-							
		charge.	405.00	i					
8	1701.2.7	Providing & fixing of PMGSY Logo	105.00 No)S	3327.10	349345.50			
		Board at starting point, end point and				-			
		at every 2 Km distance of road length							
		as per attached standard drawing duly							
1		painted and written as per MORD			Section 1				
		specification and direction by Engineer							
		in charge.	0.00						
9 1	701.2.7 & Annexure	Providing & fixing of Citizen	6.00 No	S	2556.60	15339.60			
	1700.1	Information Board with PMGSY Logo							
		at starting or prominent location							
1		(where maximum no. of citizens can							
4		view the detail of the road) as per							
		attached standard drawing dully							
		painted and written as per the MORD							
		specification and direction of Engineer-							
		in-charge.							
		in analysis							
	1701	Providing & fixing of Semi reflective	3.00 Nos	3	17595.40	52786.20			
		Directon and Place Identify of				1			
	15-5	Directon and Place Identification							
		Sign Boards up to 0.90 sqm size as							
	0-3-A-(i)	per attached drawing and as per the							
		MORD Specification and as directed				a 100 HT			
		by Engineer in charge.				4206192			
-			9.473 Sqm	1	4442.40	42080.63			
1		Total			1	-526744.13			

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	Reference to MORD		M	AGOT En	gineering Consu	ltants Pvt.Ltd.,D.Dun
S/No	Specification	Item of Work	Qty	Unit	D .	
		OTHER WORKS	Qty	Unit	Rate	Amount
31	As per PWD specification	Surveying & preparation of detailed Project Report (DPR).	10.525	Kms	47 4903 7103360 ~40460:00	747623
-		Total	71672856	14	3,40400.00	425841.50 425841.50
-		G/Total	7843880	6.54	TH 070 6	5+4/71832662.67
1		Say		7/	6.79 Rs.	784.39 718.32
		Cost of Environment				Lac
_		Protection Works				57.58 73.27
-					· · · · · · · · · · · · · · · · · · ·	
-		Grand Total			774.30	Lác - 041-47 791.59
		Grand Total for Format F - 6			. 0	Lac
		Grand Total for Format F - 7			621.30	609-04-638.67
	Gran	nd Total for Format (F - 6 +F - 7)			771190	152.92
	\cap				7.74.30	241-96 791.59

A.A.E.J.r. Engineer Asst. Engineer
R.E.S., P.I.U. - II, PMGS R.E.S. P.I.U. - II, PMGSY
Pithoragarh Pithoragarh

Pithoragarh

Ex. Engineer R.E.S., P.I.U. - II, PMGSY Pithoragarh

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