## **BILL OF QUANTITY**

((0)) Name of Work : Construction of Rithakhani (Katpatiya) to Dobans Motor road (Stage -

Block: Munakot

I) (Km 11.00) under PMGSY.

S.No. Chapter Nam		ter Namo	16		T	: Pithoragarh		
	-		isom of Work	Quantity	Unit	Rate in ₹	Amount in	
A	HILL S	IDE CUTT						
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 B&B as mend at site true to lines as per plan, X section, L section camber, super elevation as required also including uprooting & cutting of bushes dressing of road surface to the required level and slopes with all lead, lifts and safe disposal of surplus excavated material at suitable dumping places by mechanical means/manual means indicated in the drawing without damaging forest and forest land including slip clearance during hill side cutting as directed by Engineer-incharge.					
A	77629	8-3-2-A	Soil	98662.69	Cum	107.80	10625027.0	
В	77633	8-3-4	Ordinary Rock	31560.12		160.10	10635837.9	
С	77634	8-3-5-A	Hard Rock	7044.36		292.00	5052775.2 2056953.1	
2	75529	10.00	Sub-Total	137267.17	Cum	Total	17745566.3	
	7 0020	16-28-1	Clearance of land slides in soil and ordinary rock by a bull-dozer D 80 A-12, 180 HP and disposal of the same on the valley side.	19732.54	Gum	71.00	1401010.3	
						Total	19146576.6	
B E	PROTEC	CTION WO	DRK			Total	131405/0.0	
3	77629	ž	Excavation in foundation for retaining & brest walls in all types of soils and rocks including lead, lift and disposal of surplus material as per direction of engineer - in charge.	2004 15				
4	77638		Construction of retaining walls/breast walls in cement mortar 1:5 as per drawing and technical specifications Clause 1604. Stone masonry in cement mortar 1:5.	8061,48		237.30	1912989.2	
5 7	75478			1789.94	Cum	3064.80	5485808.11	
	**		Random Rubble Masonary laid dry in breast wall, retaining wall, parapets, scupper etc. Including supply of all materials, labour, t & p& royality etc, required for proper complition of	led	- 3	12/	Corrected or (Technica))	
~		1	work. (As per PWD Uttarakhand) specifications).	fere	3	With South Posts	7.00	

Junior Engineer Irr. Div., P.W.D., Pithoragarh

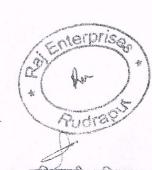
सहायक अभियन्ता सिंचाई खण्ड लो०नि०वि० Assistant Engineeril विथोरागढ

अधिश्रहिती। अभिन्युकाह in किया आणा लेकिक विभौरागङ्

			2010		, , , , , , , ,		
S.No.		pter Name	TOTAL OF WOLK	Quantity	Unit	Rate in ₹	Amount in ₹
6	7764	2 8-4-7	Back filling behind retaining wall/breast wall	5647.15	Cum	500.00	
7			Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending		Cum	590.20	3332947.93
		nalysis tached	through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specification Clauses 614, 709, 1204.3.7.		-		
				2076	Nos	160.00	050740.40
8	77664	8-9	Providing edge stones on valley side of formation as per drawing and Technical Specification Clause 1608:2.6.	2019	1403	169.90	352712.40
9	-		Construction of	2475.00	Rm	116.00	287100.00
	atta	alysis ached	Construction of parapet in Tement plum concrete with 40% stone & 60% 1:2:4 cement concrete including supply of all material, labour, T&P etc. required for proper completion of the work.(As per drawing sanctioned by CE Kumaon zone, PWD).	261	Nos	4301.40	11404770.00
10 7	75487	16-9-2-1	Providing and laying of wire crates 3.00x1.50x1.50 in size with a 8 gauge BWG GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders weighing not less than 25 kg each.(As per PWD Uttarakhand Specification).			*	1146178.89 necked & Corre- or Engineer (Tec
11 7	75150		Construction of back pillars, of length 300mm, width 300mm and height 400mm of which 100 mm shall be below ground level as per Fig. 1600.1 (b) and Technical Specification Clause 1602.3 of MORD specifications for rural roads.	607.50	Cum	1483.20	901044.00
2 75	5151	8-2-(3)	Construction of Johnstruction	11.00	Km	23595.90	259554.90
			Construction of Job pillers of length 400mm, width 400mm and height 600mm of which 100 mm shall be below ground				
			Specification Clause 1602.4 of MORD specifications for rural roads.				

शिक्षिण त्रिन् स्विन्द्रीय सहायक अभियन्ता सिंचार्च खण्ड लो०नि०वि० पिथोसागढ

Junior Engineer Irr. Div., P.W.D., Pithoragarh सहायको अभियन्ता Assistant Engineer In Div. P.W.D. Pilhoragarh पिथारागढ



alexacutive Enginee Irr. Div., F.W.D., Pilleragar Ideal सम्बद्ध

Companyance	S.No.	Chapter Name		Item of Work	Quantity	Unit	Rate in ₹	Amount in ₹
Весенталния синки такоральных англичения принципанты выпальных почемых	13	75149	8-2-(1)	Construction of reference pillars (totally under ground) of length 200mm, width 200mm and height 300mm) as per Fig. 1600.1 (b) and Technical Specification Clause 1602.1 of MORD specifications for rural roads.				
					11.00	Km	6347.60	69823.60
	14	77482	16-6	Granular sub-base/base/surface course with local materials (Table 400.13) by mix in place method normal Construction of granular sub-base by providing local material spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at once and compacting with smooth wheel roller to achieve the desired density complete as per Clause 401.4 as per Technical Specification Clause 408.				
OL AND DESIGNATION OF THE PERSON OF THE PERS				Using naturally occuring gravel.				
and a land	4.5	75404	40.0	Davidson D. I.I.	5639.12	Cum	500.70	2823507.38
BANKA ARABINE KARANANYA WASANYA BAKALAKA JAR BANEFAKISA	15	75481	16-6	Random Rubble stone masonary in Coolie walling including supply of all material, labour, T&P etc. required for proper completion of the work.(As per PWD Uttarakhand specifications).		Cum	1159.10	2295018.00
						<i>-</i>	Total	30501483.67
	С	Hill Side	<u>Drain</u>				-	
-	16	75506	16-14-a	Longitudinal katcha drain. C/O of katcha drain per m.	8074.40	~m	92.40	746074.56
міні Лаварані Алансіла у гарарані мерене дерене правення правення правення правення правення правення правення	17	75502	16-13-1-a	Longitudinal Pucca Drains. Construction of pucca drain as per drawing including supply of all material, labour, T&P etc. required for proper completion of the work. C/O of pucca drain with CC per m.			2137.00	5769900.00
warmadenee							Total	6515974.56
	D	CROSS	DRAINAG	E WORKS				
	1)	Scuppe				Check	yd & Corres	fact
	18	75497	16-12-2	C/O 1 m span scupper with CC base. Construction of 1 m span scupper with cc base of RR 1: 6 abutment ,RCC slab as per attached drawing including supply of all material, labour, T&P etc. required for proper completion of the work.	B. 19.1	Police Er	gineer (Tes	inical)
1		Causan			414.90	_ m	21791.90	9041459.31
Name and Address of the Owner,	ii)	Causew		Francisco de Constitución de C				
	19	77749		Excavation in foundation for retaining & brest walls in all types of soils and rocks including lead, lift and disposal of surplus material as per direction of engineer charge	sed			
1	1	V	The state of the s	origine (ph) and	63.36	Cum	237.30	15035.33

Junior Engineer Irr. Div., P.W.D., Pithoragarh सहायक अस्यन्ता सिंचार्च खण्ड सार्वाविक Assistant Enginee

अधिशासी अफिर चित्राहर्म् Irr. Div., P.W.D. Pillio पिथारामस

			- HILLIAN STEEL		2.26		7	1. 1.	uj Lincipiloco, Nuu
	.No.	77758	oter Nar	Treili Oi		Quanti	ty Uni		
	20	77730	3   11-4-	-1 Providing concrete for concrete in open four as per drawings specifications Clause 1203. P.C.C grade M 1:3:6.	and technical				
2	21	77765	11-4-	Providing concrete for concrete in open four as per drawings specifications Clause § 1203. R.C.C. grade M 2	and technical	31,	68 Cum	5420.6	171724.61
2:	2	77765	12-6	Supplying, fitting and p	Josia - I Drop	15.8	4 Cum	7321.1	115966.22
				reinforcement (Fe 415 complete as per drawin specification Clauses 1 & 1202.	) in substructrue				
23	7	7638	8-4-3	Construction of retain	ing	0.62	2 MT	63647.90	39461.70
				walls in cement mort drawing and technica Clause 1604. Stone ma mortar 1:5.	ar 1:5 as per				
24	7	5478	16-3	Random Rubble Masor breast wall, retain parapets, scupper etc. Incall materials, labour, tetc, required for proper work. (As per PWD specifications)	ing wall, cluding supply of & p& royality complition of		Ctum	3064.80	487609.68
-						31.68	Cum	1532.90	48562.27
Ε	RO	AD FUI	RNITUR	=				Total	9919819.12 D
25				Reinforced cement concr kilometre stone/local stor design as per IRC:8 fixi ncluding painting and prin drawing and Technical Clause 1703	ing in position			> t-	Standari, i
(i)	777	35 10		th Kilometer Stone (preca	st)				
(ii)	777	36 10	)-10-(ii)	Ordinary Kilometer Stone (I	Present	2	Nos	3806.20	7612.40
(1111)	777	37 10-	-10-(iii)	00 m stone (precast)	- Iccast)	9	Nos	2332.90	20996.10
1. 400				,		44	Nos	603.90	26571.60

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सहायक अभियन्ता सिंचार्च खण्ड लो०नि०वि० पिथोरागढ

Junior Engineer Irr. Div., P.W.D., Pithoragarh

Assistant Engineer Irr. Div., P.W.D., Pithoragarh

Executive Enginee Irr. Div R.W.D. Pitheragari

विश्वीरामह

S.No. Ch	apter Name	Item of Work	Quantity	Unit	Rate in #	America
26 752		Providing and fixing of semi reflective cautionary, mandatory and informatory sign board as per IRC:67 made of 1.5 mm thick MS Sheet duly stove white colour in front and gray colour on back with red reflective border of 65 mm width and required letters and figures with reflective tape engineering grade as per Clause 1701.3.9 of MORD for Rural Roads of required shade and colour supported and welded on 47mm x 47 mm x 12 SWG sheet tube firmly fixed to the ground by mean of properly designed foundations with M-15 grade cement concrete 450x450x600 mm, 600 mm below ground level as per approved drawing Clause 1701.2.2. 600 mm equilateral & triangle.		Unit	Rate in ₹	Amount in
27 7774	ii a a a v S iir 4 b b d p p e e p p p e e fra p a e p a e p p a e	Providing and Fixing 'Logo' of PMGSY Project Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 1.6 mm thick, top and middle plate duly welded with MS flat iron insome x 5m size on back on edges. The ower plate will be welded with MS angle from frame of 25mm x 25mm x 5mm. The ingle iron frame of middle plate will be releded to 2 nos. 75mm x 75 mm of 12 WG sheet tubes posts duly embedded in cement concrete M-15 grade blocks of 50mm x 450mm x 600mm, 600mm allow ground level. The top most amond plate will be welded to middle ate by 47mm x 47mm of 12 SWG steel ate tube. All M.S. will be stove nameled on both sides. Lettering and inting arrows, border etc. will be ainted with ready mixed synthetic namel paint of superior quality in quired shade and colour. All sections of amed posts and steel tube will be ainted with primer and two coats of boxy paint as per drawing Clause 1701 and Annexure 1700.1.	81		2347.30 Checked & Color Enginee	orrected r(Technical)

Junior Engineer Irr. Div., P.W.D., Pithoragarh

Andray!

रिक्डाइतिका चित्रुम्स्ट्टा सिंचीचं उक्टिक्ष सिंडिक्शिश्वस्ता पिथोरागढ

सहायक अभियन्ता सिंचार्र खण्ड लो०नि०वि०

पिथौरागढ

अधिरस्पर्कीरल हैतिताह Im DN चाई WD असी शिक्षी विधीरागढ

S.No.	Chapter Name	Item of Work	Quantity	Unit	Rate in ₹	Amount in ₹
28	Analysis attached	Providing & fixing of PMGSY Logo Board at starting point, end point and at every 2 Km distance of road length as per attached standard drawing duly painted and written as per MORD specification and direction by Engineer in charge.	-	7 Nos	2967.96	20775.72
29	Analysis attached	Providing & fixing of Citizen Information Board with PMGSY Logo at starting or prominent location (where maximum no. of citizens can view the detail of the road) as per attached standard drawing dully painted and written as per the MORD specification and direction of Engineer-incharge.		7100	2507.90	20775.72
30		Direction and place indentification signs up to 0.9 sqm size board. Providing and erecting direction and place identifications of semi reflective sign boards as per IRC:67 made of 2 mm thick M.S. Sheet duly stove enameled paint in white colour in front and grey colour on back with red reflective border of 70 mm width and required message, letters, figures with reflective engineering grade tape as per MORD specifications of required shade and colour. Supported and welded on 47 mm x 47mm of 12 SWG Square tube of 3050 mm height duly strengthened by 25 mm x 5 mm M/s flat iron on edges on back firmly fixed to the ground by means of properly designed foundations with M-15 grade cement concrete 450 mm x 450 mm x 500 mm, 600 mm below ground level as per approved drawing and Technical Specification Clause 1701.	2	Nos	12719.06	25438.12
			9.90	m	3007.30	29772.27
F	OTHER WORKS				Total	333517.31
31	URRDA Rates dated 7 June 2012	Preparation of detailed project report D.P.R) including preliminary & detail survey work, preparation of proposal of prest & private land etc. as directed by Engineer in charge for proper completion of work.	11.00	Km	46440.00	510840.00
1	Ellie Digo/	G/Tota!		A+R+C-	Total +D+E+F)=	510840.00 66928211.31
187	an last			Say	₹	669.28 L
1.5		Cost of Environment P	Protection \	<b>Norks</b>	₹	108.62 L
1	Audrago C	Chacked & Corrected	Grand	Total	1 Jahras	777.90 L
	k.	Grand Total	* ho	1 18 1	₹	678.70 L
	Juni	or Engineer (Technical) Grand Total		V	₹	99.20 L
nior En	gineer		सिचार ख	<sub>ि</sub> आसर ण्ड ली० थौरागढ	निर्वादः —	777.90 L
ball	9111001	Assistant Enginee		4. 41.1.40	18 Tim	Executive Engi
Div.,	P.W.D., Pithoragar	rh In Div., P.W.D. Bithor	agarh	2. 2	IrraDiv.	P.W.D., Pithora

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