



कार्यालय अधिशासी अभियन्ता
अस्थाई खण्ड लोक निर्माण विभाग, गौचर (चमोली)।

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पत्रांक- 1183 / 1सी0 (वन)

दिनांक 31 / 7 / 2018

सेवा में,

उपवन संरक्षक
कैदारनाथ वन्यजीव प्रभाग
गोपेश्वर।

विषय- प्रस्ताव सं० FP/UK/ROAD/31469/2018 कर्णप्रयाग-नौटी-पैठाणी मोटर मार्ग से ग्राम गैरोली तक मोटर मार्ग के निर्माण हेतु 0.860 हे० वन भूमि का लो०नि०वि० को हस्तान्तरण प्रस्ताव।

सन्दर्भ:- आपका आनलाइन ई०डी०एस० दिनांक 19.7.2018 एवं वन संरक्षक नन्दादेवी बायोस्फियर रिजर्व गोपेश्वर का पत्रांक सं० 196/12-1 दिनांक 17.7.2018

महोदय,

उपरोक्त विषय संदर्भित पत्र के अनुपालन में कर्णप्रयाग-नौटी-पैठाणी मोटर मार्ग से ग्राम गैरोली तक मोटर मार्ग के वन भूमि प्रस्ताव में बिन्दु सं० 1 पर लगाई गई आपत्ति प्रस्तावित 3 स्थलों पर मलवा निस्तारण योजना का प्राकलन संलग्न कर आवश्यक कार्यवाही हेतु प्रेषित किया जा रहा है।

संलग्न- मलवा निस्तारण योजना का प्राकलन मूल में।

भवदीय

अधिशासी अभियन्ता
अस्थाई खण्ड, लो०नि०वि०
गौचर (चमोली)

पत्रांक / 1सी0 वन

तददिनांक

प्रतिलिपि- निदेशक/वन संरक्षक नन्दादेवी बायोस्फियर रिजर्व गोपेश्वर को उक्त संदर्भित पत्र के क्रम में सूचनार्थ प्रेषित।

अधिशासी अभियन्ता
अस्थाई खण्ड, लो०नि०वि०
गौचर (चमोली)

Analysis of Rates

Name of Work :- C/o Gairoli Motor Road (Total Length :- 3.00 Km)

S.O.R. No.	Item of work	Rate	Unit
1-2	Excavation in foundation for retaining & breast walls in all types of soils and rocks including lead, lift and disposal of surplus material as per direction of engineer - in -charge	310.50	cum
1-8	Providing and Laying of Mechanically Woven Double Twisted Hexagonal shaped Gabions (Zinc plus PVC coated), of size 3mX1mX1m with two diaphragms at 1m interval, having mesh opening 100mmx120 mm, mesh wire diameter 2.7mm/3.7mm, edge/selvedge wire diameter 3.4/4.4 mm and lacing wire diameter 2.2/3.2 mm. (The work includes filling boulders in the gabions).	7423.30	Nos.
1-2-2	Loading of Earth, Sand, Stone chips ,Moorum, Manure, Flyash by mechanical means including a lead upto 30m.	27.30	cum.
1-10-2	Unsurfaced Gravel Road	6.00	Tonne

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PWD UTTARAKHAND
SCHEDULE OF RATES

SOR :- MISCELLANEOUS
For Block 11 Karnaprayag

Year :- FY. 2018-19
Effective From:-01-May-2018

Sl. No.	Description	Rate	Unit
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CHAPTER-1 - General Items

1-1	Earthwork in Hill Road (Hill Side Cutting)		
1-1-1	Excavation in soil in Hilly Area by mechanical means		
1-1-1-A	Excavation in soil in Hilly Area by mechanical means Without useing Dozer including cutting and trimming of side slopes and disposing of excavated earth with a lift upto 1.5 m and a lead upto 20 m as per Technical Specification Clause 1603.1	61.20	Cum
1-1-1-B	Extra for Every Additional Lift of 1.5 m or Part thereof	20.50	Cum
1-1-2	Excavation in Hilly Areas in Ordinary Rock by mechanical means not requiring blasting (With out Dozer)		
	Excavation in hilly area in ordinary rock not requiring blasting by mechanical means without using Dozer including cutting and trimming of slopes and disposal of cut material with a lift upto 1.5 m and lead upto 20 m as per Clause 1603.2.	92.50	Cum
1-1-3	Excavation in Hilly Areas in Hard Rock requiring blasting		
1-1-3-A	Excavation in hilly areas in hard rock requiring blasting, by mechanical means without using Dozer , lift upto 1.5 m and disposal of excavated rock upto a lead of 20 m as per Clause 1603.2.	265.20	Cum
1-1-3-B	Extra for Every Additional Lift of 1.5 m or Part thereof	40.20	Cum
1-2	Excavation in foundation for retaining, breast walls etc, in all types of soils and rocks including all lead, lift and disposal of surplus material as per direction of engineer - in - charge, as per drawing and technical specifications Clause 305.1 of MORD Specifiction	310.50	Cum
1-3	Random Rubble Stone Masonry laid Dry, in breast walls, retaining walls, etc. including supply of all material, labour, T&P and royaltiies etc. complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 of MORD Specifiction	1,848.30	Cum
1-4	Random Rubble Stone Masonry laid in 1:6 cement and sand mortar, in breast walls, retaining walls, parapets, scuppers, etc. including supply of all material, labour, T&P and royaltiies etc. complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 of MORD Specifiction	3,335.30	Cum
1-5	Hand Packed stone filling in back of wallls including cost of all materials, royalty, T&P etc. complete as per direction of Engineer-in- charge. (As per PWD Uttarakhand specifications)	710.30	Cum
1-6	Construction of coolie walling including supply of all material, labour, T&P etc. required for proper completion of the work as per direction of Engineer-in- charge. (As per PWD Uttarakhand specifications)	1,230.10	Cum

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PWD UTTARAKHAND
SCHEDULE OF RATES

SOR :- MISCELLANEOUS
For Block 11 Karnaprayag

Year :- FY. 2018-19
Effective From:-01-May-2018

Sl. No.	Description	Rate	Unit
1-7	Providing and laying of wire crates 3.00x1.50x1.50 in size with GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders. as per direction of Engineer-in- charge. (As per PWD Uttarakhand specifications)		
1-7-1	GI wire 10 gauge BWG	1,516.50	Cum
1-7-2	GI wire 8 gauge BWG	1,698.30	Cum
1-8	Providing and Laying of Mechanically Woven Double Twisted Hexagonal shaped Gabions (Zinc plus PVC coated), of size 3mX1mX1m with two diaphragms at 1m interval, having mesh opening 100mmx120 mm, mesh wire diameter 2.7mm/3.7mm, edge/selvedge wire diameter 3.4/4.4 mm and lacing wire diameter 2.2/3.2 mm. (The work includes filling boulders in the gabions).	7,423.30	No.
1-9	Providing and Laying of Mechanically Woven Double Twisted Hexagonal shaped Gabions of galvanized steel, of size 3mX1mX1m with two diaphragms at 1m interval, having mesh opening 100mmx120 mm, mesh wire diameter 3 mm for gabions, edge/selvedge wire diameter 3.9 mm and lacing wire diameter 2.2 mm. (The work includes filling boulders in the gabions).	7,605.10	No.
1-10	Clearance of land slides (Slip Clearance)		
1-10-1	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 complete as directed by the Engineer-in-charge.	69.50	Cum
1-10-2	Clearing of land slide in hard rock requiring blasting for 50 per cent of the boulders and disposal of the same on the valley side (Using bull-dozer) complete as directed by the Engineer-in-charge.	111.70	Cum
1-10-3	Slip clearance (by manual means) of loose earth and other small loose materials including disposal complete as directed by the Engineer-in-charge.	185.80	Cum
1-10-4	Slip clearance (by manual means) of earth and boulders including disposal complete as directed by the Engineer-in-charge.	186.60	Cum
1-10-5	Slip clearance (by manual means) of boulders only including disposal complete as directed by the Engineer-in-charge.	199.70	Cum
1-11	Setting Out (Construction of Reference Pillars, Back Pillars and Job Pillars)		
1-11-1	Construction of reference pillars with RR 1:6 stone masonry and Plastered with 1:4 Mortar, (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.	54.10	No.

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PWD UTTARAKHAND
SCHEDULE OF RATES

SOR :- MORD
For Block 11 Karnaprayag

Year :- FY. 2018-19
Effective From:-01-May-2018

Sl. No.	Description	Rate	Unit
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Chapter 1 - LOADING, UNLOADING, CARRIAGE, CRUSHING OF MATERIALS AND SETTING OUT

Notes:- Rates are for net quantities after deduction of voids.

1-1	Loading and Unloading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by Manual Means		
1-1-1	Loading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by manual means including a lead upto 30 m	90.20	Cum
1-1-2	Loading of Earth, Sand, Moorum, Manure, Flyash by manual means including a lead upto 30 m	45.10	Cum
1-1-3	Unloading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by manual means including a lead upto 30 m	45.10	Cum
1-1-4	Unloading of Earth, Sand, Moorum, Manure, Flyash by manual means including a lead upto 30 m	27.10	Cum
1-2	Loading and Unloading Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by Mechanical Means		
1-2-1	Loading of Lime, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Crushed Slag, Stone for Masonry Work by mechanical means including a lead upto 30 m. (Placing tipper at loading point, loading with front end loader excluding time for haulage and return trip.)	52.60	Cum
1-2-2	Loading of Earth, Sand, Moorum, Manure, Flyash by mechanical means including a lead upto 30 m. (Placing tipper at loading point, loading with front end loader excluding time for haulage and return trip.)	27.30	Cum
1-2-3	Unloading of Earth, Sand, Lime, Moorum, Aggregate, Stone Boulder, Brick Aggregate, Kankar, Building Rubbish, Manure, Crushed Slag, Flyash, Stone for Masonry Work by mechanical means. (Placing tipper at unloading point excluding time for haulage and return trip)	10.40	Cum
1-3	Loading, Unloading and Stacking of Bricks by Manual Means		
1-3-1	Loading of Bricks by manual means including a lead upto 30 m	148.20	1000 No.
1-3-2	Unloading and Stacking of Bricks by manual means including a lead upto 30 m	148.20	1000 No.
1-4	Loading and Unloading of Cement by Manual Means		
1-4-1	Loading of Bricks by manual means including a lead upto 30 m	118.70	Tonne
1-4-2	Unloading and Stacking of Bricks by manual means including a lead upto 30 m	118.70	Tonne
1-5	Loading and Unloading of Structural Steel and Steel Bars by manual means		

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PWD UTTARAKHAND
SCHEDULE OF RATES

SOR :- MORD
For Block 11 Karnaprayag

Year :- FY. 2018-19
Effective From:-01-May-2018

Sl. No.	Description	Rate	Unit
1-5-1	Loading of Structural Steel, Steel Bars by manual means including a lead upto 30 m	130.20	Tonne
1-5-2	Unloading of Structural Steel, Steel Bars by manual means including a lead upto 30 m	130.20	Tonne
1-6	Loading and Unloading of Bitumen Drums by Manual Means		
1-6-1	Loading of Bitumen Drums by manual means including a lead upto 30 m	137.50	Tonne
1-6-2	Unloading of Bitumen Drums by Manual Means including a lead upto 30 m	122.20	Tonne
1-7	Loading and Unloading of Timber by Manual Means		
1-7-1	Loading of Timber by manual means including a lead upto 30 m	198.50	Tonne
1-7-2	Unloading of Timber by manual means including a lead upto 30 m	198.50	Tonne
1-8	Loading and Unloading of C.C. Blocks, Kerb, etc.		
1-8-1	Loading with care C.C. Blocks, km Stone, 200 m Stone, Boundary Pillar, Kerb, Channel, Bond Stone, etc. by manual means including a lead upto 30 m	306.00	Cum
1-8-2	Unloading with care C.C. Blocks, km Stone, 200 m Stone, Boundary Pillar, Kerb, Channel, Bond Stone, etc. by manual means including a lead upto 30 m	306.00	Cum
1-9	Loading and Unloading of Hume Pipes		
1-9-1	Loading of RCC Hume pipes by mechanical means including a lead upto 30 m		
1-9-1-A	1000 / 1200 mm dia Hume pipe	67.60	Pipe
1-9-1-B	750 mm dia Hume pipe	40.50	Pipe
1-9-1-C	600/450 mm dia Hume pipe	29.00	Pipe
1-9-2	Unloading of RCC Hume pipe by manual means including a lead upto 30 m		
1-9-2-A	1000/1200 mm dia RCC Hume pipes	320.50	Pipe
1-9-2-B	750 mm dia Hume pipe	267.10	Pipe
1-9-2-C	600/450 mm dia Hume pipe	200.30	Pipe
1-9-3	Unloading of RCC Hume pipes by mechanical means including a lead upto 30 m		
1-9-3-A	1000/1200 mm dia Hume pipe	49.40	Pipe
1-9-3-B	750 mm dia Hume pipe	29.70	Pipe
1-9-3-C	600/450 mm dia Hume pipe	21.20	Pipe
1-10	Haulage excluding Loading & Unloading- Haulage of materials by tipper excluding cost of loading, unloading and stacking.		
	<i>Notes: In case of carriage of Hume pipes, output of truck be taken as 8 t and the rate for t is to be divided by number of pipes of different diameters as indicated in item 1-9 to get the rate per pipe.</i>		
1-10-1	Surfaced Road	5.00	Tonne-Km
1-10-2	Unsurfaced Gravel Road	6.00	Tonne-Km

Abund

Bill of Quantity

Name of Work :- C/o Gairoli Motor Road (Total Length :- 3.00 Km)

S.no.	Item of work	Quantity	unit	Rate	Amount
	Muck Disposal				
1	Excavation in foundation for retaining & breast walls in all types of soils and rocks including lead, lift and disposal of surplus material as per direction of engineer - in - charge	35.50	cum	310.50	11022.75
2	Providing and Laying of Mechanically Woven Double Twisted Hexagonal shaped Gabions (Zinc plus PVC coated), of size 3mX1mX1m with two diaphragms at 1m interval, having mesh opening 100mmx120 mm, mesh wire diameter 2.7mm/3.7mm, edge/selvage wire diameter 3.4/4.4 mm and lacing wire diameter 2.2/3.2 mm. (The work includes filling boulders in the gabions).	426.00	No.	7423.30	3162325.80
3	Loading of Earth, Sand, Stone chips ,Moorum, Manure, Flyash by mechanical means including a lead upto 30m.	10500.00 9030.00	cum.	27.30	286650.00 246519.00
4	Unsurfaced Gravel Road	16800.00 14448.00	Tonne	6.00	100800.00 86688.00
				TOTAL	3560798.55
			Say		35.07

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₹ 35.61 lacs

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 10/7/18

Summary Of Cost

Name of Work :- C/o Gairoli Motor Road (Total Length :- 3.00 Km)

S.No.	Item	Ammount (Lac.)
1	Name of Work :- C/o Gairoli Motor Road (Total Length :- 3.00 Km)	3506555.55 35.61
	TOTAL	35.07 35.61
	GST(CGST + SGST) 12%	4.21 4.27
	G .TOTAL	39.28 39.88

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10/11/18