



# UTTARAKHAND LOK NIRMAN VIBHAG



## 8<sup>Th</sup> CIRCLE TEHRI

SCHEDULE OF RATES  
FOR  
TEHRI DISTRICT

With Effect from 01-04-2009

(FOR OFFICE USE ONLY)

कार्यालय अधीक्षण अभियन्ता  
8वें वृत्त, लोक निर्माण विभाग नई टिहरी

पत्रांक- 2166/15एम-8/2009

दिनांक 30/3/2009

कार्यालय ज्ञाप

इस कार्यालय के पत्रांक 8171/15एम-8/2006 दिनांक 30.10.2006, कैम्प मेमो/देहरादून-01/07 दि० 28.5.2007, पत्रांक 4348/15एम-3/08 दि० 9.6.2008, पत्रांक 3759/15एम-8/08 दि० 12.12.2008 द्वारा शैड्यूल आफ रेट्स का पुनरीक्षण किया गया था। इसी बीच में दरों में निरन्तर वृद्धि होने के कारण शैड्यूल आफ रेट्स के पुनरीक्षण हेतु टिहरी वृत्त के अधिशासी अभियन्ताओं की दिनांक 20.2.2009 को वृत्तीय कार्यालय में बैठक आयोजित की गई। अधिशासी अभियन्ताओं द्वारा दिये गये सुझावों एवं संस्तुति के आधार पर जनपद टिहरी 8वें वृत्त लोक निर्माण विभाग, नई टिहरी के अन्तर्गत दरों का निर्धारण निम्न टिप्पणियों सहित किया जाता है -

1. यह दरें दिनांक 01.04.2009 से प्रभावी मानी जायेगी। इससे पूर्व की सभी दरें निरस्त मानी जाय।
2. यह दरें लो०नि०वि० की विशिष्टियों एवं समय-समय पर जारी किये गये परिपत्रों/निर्देशों को सम्मिलित करते हुए मानी जाय।

(एम०पी०एस०खाती) 30/3/09

अधीक्षण अभियन्ता

8वें वृत्त, लो०नि०वि०, नई टिहरी

प्रतिलिपि निम्नलिखित को सूचनार्थ आवश्यक पुनःशिक्षित शैड्यूल की दरों की प्रति सहित प्रेषित:-

1. सचिव, लोक निर्माण विभाग, उत्तराखण्ड शासन, देहरादून। (एक प्रति सहित)
2. मुख्य अभियन्ता स्तर-1, लो०नि०वि०, उत्तराखण्ड, देहरादून। (पन्द्रह प्रति सहित)
3. मुख्य अभियन्ता (गढ़वाल क्षेत्र), लो०नि०वि०, पौड़ी। (चार प्रति सहित)
4. आयुक्त गढ़वाल मण्डल, पौड़ी। (एक प्रति सहित)
5. महालेखाकार, उत्तराखण्ड देहरादून। (एक प्रति सहित)
6. जिलाधिकारी, टिहरी गढ़वाल। (एक प्रति सहित)
7. अधीक्षण अभियन्ता, 6, 9, 10 व 10वें वृत्त, लो०नि०वि०, उत्तरकाशी, देहरादून, पौड़ी, गोपेश्वर, राष्ट्रीय राजमार्ग वृत्त देहरादून। (एक प्रति सहित)
8. अधिशासी अभियन्ता, प्रान्तीय/अस्थाई/निर्माण खण्ड, लो०नि०वि०, नई टिहरी, बौराड़ी/थत्यूड/कीर्तिनगर/घनसाली/नई टिहरी/चम्बा/नरेन्द्रनगर एवं सिंचाई खण्ड लोनिवि, नई टिहरी।
9. कनिष्ठ अभियन्ता (प्रा०), 8वें वृत्त, लो०नि०वि०, नई टिहरी। (दस प्रति सहित)

अधीक्षण अभियन्ता 30/3/09

8वें वृत्त, लो०नि०वि०, नई टिहरी

## ANNEXTURE – 1

### UNIT WEIGHT OF MATERIALS

1 Bitumen		1000 kg per Cum
2 Bricks	Approx	1750 kg per Cum
3 Cement		1350 kg per Cum
4 Mild steel		7830 kg per Cum
5 Cast iron	Approx	7080 kg per Cum
6 Ply Wood (1 mm thick)		0.70 kg per Sqm
7 Stone ballast		1600 kg per Cum
8 Shingle 3mm to 38mm		1460 kg per Cum
9 Sand		1600 kg per Cum
10 Chir Wood		575 kg per Cum
11 Deodar wood		545 kg per Cum
12 Sal Wood		865 kg per Cum
13 Teak Wood		640 kg per Cum
14 Sheet glass 1 mm thick		2.5 kg per Sqm
15 Stone for masonry		2000 kg per Cum
16 Sita Tax Low density particle board		12 mm thick 3.7 kg per
17 Black plain iron sheet		4.95 kg per Sqm
0.63 mm thick (24 Guage)		
18 -do- 0.8 mm thick (22 Guage)		6.3 kg per Sqm
19 Snow load on roofs		2.5 kg/Per Sqm per cm depth of snow
20 Slacked lime		640 kg per Cum
21 Loose Earth		1600 kg per Cum
22 Crusher grit		1500 kg per Cum

## **Guide Lines & Important Instructions**

- 1 The rates of item of works in Chapter (V) to (X VI) and chapter (XIX) will be worked out on the basis of P.W.D Skelton and subsequent order, issued by Chief Engineer from time to time.
  
- 2  
On material to be issued by the Department cartage from the place of issue to the site of work will be added. If the issue rates for such materials differs from the rates given in chapter I then the difference in rates will be added or deducted depending upon whether the issue rates is higher or lower.
  
- 3 The unit weights of materials (where necessary) shall be adopted as specified in Annexure 1. For other materials unit weights as per I.S. standard or any other Standard specification or as specified by the manufacturer or as per actual observation, shall be adopted.
  
- 4 The quantities of materials consumed in different items of work and number of labourers will be taken as per Skelton analysis rate for Almora Distt. and as fixed by the chief Engineer P.W.D. from time to time.
  
- 5 The rates given in the Schedule are for one storey, above ground level (Ground Floor) and one storey below ground level (Basement) Beyond this the rate for each item may be increased by one percent for each floor i.e. 1% for first floor, 2% for second floor, 3% for third floor and so on. In case of workshop, halls etc. 4M height above plinth level may be taken as equivalent to height of one storey. The Duchhati or Stair case mumty will be paid for in the storey of the building in which it falls i.e. stair case mumty shall be paid for in the storey just below it.
  
- 6 For Building and Bridge works water allowance @ 1.5% may be added on the items where water is required and the contractor has borne the entire expenditure on water arrangements. No water allowance is to be added if water is available within 100 M free of cost.

- 7 For T&P sundries and lump-sum items in the Skelton for the analysis of rates the provision will be made 25 Times that of the provision made in 1962 Almora Distt. Schedule of rates and 30 Times for R.C.C. work for Buildings and bridges and 20 times and 25 times on Lucknow Skelton made in 1973 accordingly.
- 8 With the Analysis of rates and while working out. R.M.R., a site plan showing the location of site of work, quarry, place of issue of materials etc, and minimum distance by pucca/unmetalled road/bridle road/foot track must invariably be enclosed. The Divisional Engineer should record a certificate “that the distances for the cartage of different materials are correct and is by shortest possible route and that the material of desired specification is not available at a lesser distance”.
- 9 The method of measurements shall be as per 1962 Almora distt. Schedule of rates/latest detailed P.W.D. specifications/circulars issued by the chief Engineer.
- 10 The rates include material for centering / shuttering, scaffolding, (unless otherwise specifically mentioned in particular items), sundries, gurras, nails, carborandum stone, mansion polish, oxalic acid, saw dust, brushes, wooden gullies, small springs for fixing of glass pans etc.
- 11 Wherever the word fine sand occurs in this schedule of rate, it will mean the sand of fineness modulus 1.25. Where as course sand shall be of fineness modulus ranging between 1.7 to 2.3
- 12 If the rates of any item given in this schedule superceded by any authority higher than S.E., the same shall be applicable for those items.
- 13 For items which are not part of the PWD Skeleton will be taken as per Standard data book of MOSRTH(Items related to hotmix plant,sign boards,crash barrier)

# CHAPTER - 1

**Note:**

- 1 The rates for item 2, 3, 38, 39 and 41 are quarry rates inclusive of royalty but exclusive of sales tax and Contractor's profit.
- 2 The rates for all others items are at nearest rail head inclusive of octroi, royalty, sales tax and also carriage upto Municipal limit (except for item 1, 45 and 46) but exclusive of Contractor's profit.
- 3 Wastage @ 2% for grit, shingle and sand and @ 1% for stone ballast shall be applicable for preparing RMR for road work.
- 4 No Voids shall be deducted while taking supply of stone ballast, grit and split boulder.
- 5 Five percent contractor's profit may be given while taking the supply through some agency other than direct supplier.
- 6 No quarrying charges shall be paid on item 2, 3, 38, 39, 41

Item No.	Material	Unit	Rate (Rs.)
1a)	Bricks M-100 (Standard size) At Rishikesh Rail Head	1000 No.	2700.00
1b)	Straight over burnt	1000 No.	1800.00
2	Ballast/grit (hard stone)		
	Graded/hand broken at quarry (road side)		
	(a) 20 M.M. size	Per Cum	400.00
	(b) 20 M.M. to 40 M.M.	Per Cum	360.00
	(c) 40 mm size	Per Cum	330.00
	(d) 53 to 22.40 M.M.	Per Cum	320.00
	(e) 45 to 63 M.M.	Per Cum	275.00
	(f) 90 to 45 M.M.	Per Cum	250.00
	(g) Split Boulder 100-150 M.M.	Per Cum	155.00
	(h) River boulder at quarry minimum weight 50 Kg.	Per Cum	150.00
	(i) Brick ballast(over burnt 40mm gauge)	Per Cum	550.00
	(j) Brick ballast(Class 100 25mm gauge)	Per Cum	680.00
3	(a) River shingle or stone girt quarried from Hill side at Quarry		
	10 M.M. to 16 M.M.	Per Cum	290.00
	16 M.M. to 22.40 M.M.	Per Cum	265.00
	(b) For stone Crushed grit		
	(i) Sizes 10 MM to 16 Mm	Per Cum	425.00
	(ii) Sizes 16 MM to 22.40 Mm	Per Cum	425.00
	(iii) Sizes 5 MM to 10 Mm	Per Cum	410.00
	(iv) Stone dust 2.60 MM or below	Per Cum	360.00
	(v) Sizes 10 MM to 16 Mm (11.20 M.M. nominal size)	Per Cum	425.00
	(vi) Sizes 16 MM to 22.40 Mm (13.20 M.M. nominal size)	Per Cum	425.00
	(vii) Granular Sub base(G.S.B)Material of specified size.	Per Cum	360.00
	(viii) River bed material	Per Cum	380.00
4	Bolt and nuts etc.		
	(a) upto 6 M.M. dia	Per Kg	70.00
	(b) above 6 M.M. to 12 M.M dia	Per Kg	65.00
	(c) above 12 M.M. to 25 M.M. dia	Per Kg	60.00
5	Bolts and nuts 13 M.M. dia to 22 M.M. dia	Deleted	-
6	Bees Wax	Deleted	-
7	Bamboos		
	(a) 25 cm to 4 cm dia	Per R.M.	As per Van Nigam Rates
	(b) above 4 cm and upto 8 cm dia	Per R.M.	As per Van Nigam Rates
8 (A)	Bellies Sal		
	(a) 8 cm (mean) dia	Per R.M.	As per Van Nigam Rates
	(b) 10 cm (mean) dia	Per R.M.	
	(c) 12.5 cm (mean) dia	Per R.M.	
	(d) 15 cm (mean) dia	Per R.M.	
	(e) 20 cm (mean) dia	Per R.M.	
8 (B)	Eucalyptus Bellies		
	(a) 9 cm (mean) dia	Per R.M.	As per Van Nigam Rates
	(b) 12 cm (mean) dia	Per R.M.	
	(c) 15 cm (mean) dia	Per R.M.	
	(d) 18 cm (mean) dia	Per R.M.	
	(e) 30 cm (mean) dia	Per R.M.	
9	Cement port Land (43 Grade)	Per bag of 50 kg.	240.00
10	Cement (White)	Per bag of 50 kg.	618.00

Item No.	Material	Unit	Rate (Rs.)
11	Coaltar	as per Rate of I.O.C., H.P., B.P. at Depo	
12	Caustic Soda	Per Kg.	36.00
13	Cinder	Deleted	-
14	Cotton Rope	Per Kg.	95.00
15	(a) Oil Distemper (First quality of burger or equivalent) (b) Dry Distemper	in 5 Kg. Tin in 1.5 Kg. Packet	as per price list of standard manufacturing Firms
16	Glass ordinary		
	(a) 5.0 M.M. thick plain Best Quality cut to size	Per Sqm	350.00
	(b) 5.0 M.M. thick frosted including wastage	Per Sqm	360.00
	(c) 5.0 M.M. thick pin point	Per Sqm	215.00
	(d) 4.0 M.M. thick plain	Per Sqm	220.00
	(e) 4.0 M.M. thick frosted	Per Sqm	285.00
	(f) 4.0 M.M. thick pin point	Per Sqm	180.00
	(g) 3.0 M.M. thick plain	Per Sqm	230.00
	(h) 3.0 M.M. thick frosted	Per Sqm	250.00
	(i) 3.0 M.M. thick pin point	Per Sqm	160.00
	(j) Glass strips 5.0 M.M. thick (40 M.M. wide )	Per R.M.	7.00
	(k) Glass strips 3.0 M.M. thick (40 M.M. wide)	Per R.M.	4.50
	(l) Glass strips 5.0 M.M. thick (25 M.M. wide)	Per R.M.	4.50
	(m) Glass strips 3.0 M.M. thick (25 M.M. wide)	Per R.M.	4.00
18	Lime white (Unslacked)		
	(i) For Building	Per Kg.	6.00
	(ii) For Road	Per Kg.	4.50
19	(a) Lead red powder (Sindoor)	Per Kg.	55.00
	(b) Lead white (Safeda)	Per Kg.	45.00
	(c) Red Lead	Per Lit.	57.00
20	(a1) M.S. Flats Angles. Tess	Per Qtl	3600.00
	(a2) Channel and like wise	Per Qtl	4300.00
	(b) M.S. Round upto 12 M.M. dia	Per Qtl	3600.00
	(c) M.S. Round above 12 M.M. dia	Per Qtl	3550.00
	(d) R.S. Joist	Per Qtl	3575.00
	(e) G.I. Barbed wire (hot dip)	Per Qtl	5400.00
	(f) Galvanized iron plain sheet (20 B.W.G. to 24 B.W.G.)	Per Qtl	4300.00
	(g) Galvanized iron corrugated sheet (24 B.W.G.)	Per Qtl	4400.00
	(h) B.P sheet	Per Qtl	4000.00
	(i) Ribbed/tor steel bars		
	(ii) upto 12 M.M. dia	Per Qtl	3600.00
	(iii) above 12 M.M. dia	Per Qtl	3550.00
	(j) Galvanized iron wire gauge(24x14)machine made	Per Qtl	4000.00
	(k) Expended Metal 2.0 cm 16/17 gauge	Per Sqm	160.00

Item No.	Material	Unit	Rate (Rs.)
21	Marble Chips (3 M.M. Size)		
	(a) White	Per Qtl	185.00
	(b) Black	Per Qtl	225.00
	(c ) Other Colour	Per Qtl	225.00
22	Marble dust	Per Qtl	210.00
23	Masonite sheet 3 M.M. thick	Deleted	
24	Nails (ordinary)	Per Kg.	55.00
25	Nails (wire)	Per Kg.	55.00
26	(a) Linseed (Double boiled) oil	Per Lit	85.00
	(b) Turpentine oil	Per Lit	55.00
27	Synthetic enamel paint		
	(a) Superior Quality	Per Ltr.	As per actual price list of standard Manufacturing Firm
	(b) Paint (ordinary Quality)	Per Ltr.	
	(c ) Paint (anti corrosive bituminous)	Per Ltr.	
	(d) Paint (Black Japan)	Per Ltr.	
	(e) Paint (Red oxide primer) for steel	Per Ltr.	
	(f) Paint (for roofing)	Per Ltr.	
	(g) Paint (Aluminum)	Per Ltr.	
	(h) Paint (Primer) for wood	Per Ltr.	
	(i) Paint (Road marking) spirit base	Per Ltr.	
	(j) (i) Cement primer	Per Ltr.	
	(ii) Water proof cement paint (Snowcem or equivalent)	(50 Kg. Drum)	
	(k) Varnish		
	(i) Synthetic	Per Ltr.	
	(ii) Copal	Per Ltr.	
	(iii) Ordinary	Per Ltr.	
28	Water proofing compound I.S.I Mark	Per Kg.	48.00
29	Polish (masnion of wax)	Per Kg.	225.00
30	P.V.C. pipe (Rain water) I.S.I Mark		
	(a) 8cm/9cm dia	Per R.M.	As per price list of standard Manufacturing Firms
	(b) 10 cm/11cm dia	Per R.M.	
	(c ) 15cm/16cm dia	Per R.M.	
31	P.V.C. pipe (Plain, bend, shoe-head) I.S.I Mark		
	(a) 8cm/9cm dia	Each	As per price list of standard Manufacturing Firms
	(b) 10 cm/11cm dia	Each	
	(c ) 15cm/16cm dia	Each	
32	P.V.C. pipe (bend, with access door) I.S.I Mark		
	(a) 8cm/9cm dia	Each	As per price list of standard Manufacturing Firms
	(b) 10 cm/11cm dia	Each	
	(c ) 15cm/16cm dia	Each	
33	Cast iron pipe (Rain water) I.S.I Mark		
	(a) 5 cm dia (4.5 to 5 kg per RM)	Per RM	As per price list of standard Manufacturing Firms
	(b) 10 cm dia (11 to 12 kg per RM)	Per RM	



Item No.	Material	Unit	Rate (Rs.)
34	Cast iron pipe (Rain water) (a) Rose cowl 15 cm dia (b) -do- but 10 cm dia (c ) Head 5 cm dia (d) -do- but 10 cm dia (e) Shoe 5 cm dia (f) -do- 10 cm dia (g) Bend 5 cm dia (h) -d- but 10 cm dia	Each Each Each Each Each Each Each Each	As per price list of standard Manufacturing Firms
35	(a) Rope (Moonj) (b) Rope (Hemp) (Manila) (c ) Rope (cooten) (d) Rope (G.I. Wire) 7 ply (e) Rope (nylon)	Per Kg. Per Kg. Deleted Deleted Deleted	40.00 75.00 - - -
36	(a) Rivets (G.K.W) (b) Rivets (I.S.I)	Per Kg. Per Kg.	54.00 60.00
37	Sheet (celotex or equivalent)	Deleted	-
38	Coarse sand at nearest approved quarry	Per Cum	500.00
39	Fine sand (of fineness modulus 1.25) at nearest approved quarry	Per Cum	400.00
40	Surkhi	Deleted	--
41	Stone (a) Stone for building (b) Stone for site development	Per Cum Per Cum	300.00 250.00
42	Whiting	Deleted	--
43	(a) Washer (Limpet) (b) Washer (Bitumen)	100No's 100No's	28.00 18.00
44	Wood preservative	Per Ltr.	As per price list of standard manufacturing Firms
45	(a) Wood chaukhat section (C.P. Teek) (b) -do- (Shisham) (c ) -do- (Indian sal) (d) -do- (Deodar) (e) -do- (Country) (f) -do- (Chirr)	Per Cum Per Cum Per Cum Per Cum Per Cum Per Cum	As per Van Nigam Rates
46	(a) Wood planks (C.P. Teek) (b) -do- (Shisham) (c ) -do- (Indian sal) (d) -do- (Deodar) (e) -do- (Country) (f) -do- (Chirr)	Per Cum Per Cum Per Cum Per Cum Per Cum Per Cum	As per Van Nigam or Market Rates
47	Fuel wood	Per Qtl	300.00
48	Wire crate prepared with 8SWG wire of I.S.I specification mesh size 15x15 cm	Per Sqm	110.00

## CHAPTER - 2

### LABOUR

क्र० सं०	मद	स्वीकृत दर
1	<b>अकुशल श्रमिकः-</b> बेलदार, चौकीदार, वाटरमैन, माली, मजदूर, लैनमैन, हैल्पर, डाकरनर, सफाई नायक (पूर्ण कालिफ) भिश्त, टेलीफोन, ऐटेन्डेंट, हैमरममैन, पम्प ऐटेन्डेंट	120.00
2	<b>अर्द्ध कुशल श्रमिकः-</b> हौल ड्रिलर, रॉक कटर, व्हाइट वाशर, नेपाली श्रमिक, खान श्रमिक, लैब सहायक, गेज रीडर, क्लीनर, वर्क एजेंट, मेट, वर्क सुपरवाइजर, मिक्सर आपरेटर, मशीन आपरेटर, पम्प आपरेटर, जनरेटर कम्प्रेसर आपरेटर (10 KV तक) कुक, ब्लू प्रिंटर, फोटो स्टेट मशीन आपरेटर, विन्च आपरेटर, जूनियर फिटर, स्टोन कटर/ड्रेसर, विटुमिन बेलदार, कम्प्रेसर आपरेटर, ऐसीसेटेंट बोरर।	135.00
3	<b>कुशल श्रमिकः-</b> (अ) मिस्त्री, अमीन (ब) मैसन, कारपेन्टर, ब्लैकस्मिथ, पेन्टर, प्लम्बर, ट्रेसर, सर्वेयर, रिवेटर, वैल्डर, फिटर, टर्नर, इलैक्ट्रिशियन, वर्क सुपरवाइजर, ड्राइवर, कम्टूर आपरेटर, मोलडर, मारकर, मैकेनिक, हैण्डपम्प बोरर, साँयर।	220.00 210.00
4	<b>अन्य लेबर दरः-</b> (a) आदमी एक खच्चर के साथ (b) अतिरिक्त खच्चर हेतु	255.00 165.00

## CHAPTER-3 CARTAGE OF MATERIALS

**Note:-**

- 1 Index for distance and height shall not be applicable to the cartage rates.
- 2 The rates include contractor's profit except item no 141
- 3 The cartage rates are, for both side journey i.e. return journey cartage shall not be added in these rates.

Item	Description	Unit	Rate (Rs.)
141 (a)	Cartage of materials like ballast, sand, grit, stone, coal, wood (excluding fuel wood) etc. Including loading unloading goods tax (if any) but excluding stacking		
	1st Km.	Per cum/km.	77.00
	2nd and 3rd Km.	Per cum/km.	12.00
	4th and 5th Km.	Per cum/km.	11.00
	6th to 10th Km.	Per cum/km.	10.00
	11th to 20th Km.	Per cum/km.	7.80
	21st to 30th Km.	Per cum/km.	7.00
	31st to 50th Km.	Per cum/km.	6.60
	Beyond 50 Km.	Per cum/km.	5.80
141 (b)	Cartage of materials like cement, steel, fuel wood, lime etc. including loading, unloading and good tax (if any) but excluding stacking.		
	1st Km.	Per MT/km.	57.00
	2nd and 3rd Km.	Per MT /km.	11.00
	4th and 5th Km.	Per MT/km.	8.00
	6th to 10th Km.	Per MT/km.	7.00
	11th to 20th Km.	Per MT/km.	6.00
	21st to 30th Km.	Per MT /km.	5.40
	31st to 50th Km.	Per MT /km.	4.60
	Beyond 50 Km.	Per MT/km.	3.70
141 (c)	Same as item No. 141 (b) but for Cartage of maxphalt.(packed)		
	1st Km.	Per MT/km.	59.00
	2nd and 3rd Km.	Per MT /km.	12.00
	4th and 5th Km.	Per MT/km.	9.00
	6th to 10th Km.	Per MT/km.	7.70
	11th to 20th Km.	Per MT/km.	6.00
	21st to 30th Km.	Per MT /km.	5.80
	31st to 50th Km.	Per MT /km.	5.00
	Beyond 50 Km.	Per MT/km.	4.10
141(d)	For cartage of Bulk Bitumen	As per tanker rate of I.O.C.L	

### Condition for items 141 (a), 141 (b) and 141 (c)

- 1 The above rates are for pucca roads, for katcha roads 33% extra up to 5 km. and 20% extra beyond 5 km. is allowed. Roads up to soling stage to be treated as katcha road, inter coat and above to be taken as pucca roads.
- 2 For cartage of 1000 Nos. of bricks multiply the rate of item no, 141 (a) by 2.40 times.
- 3 For cartage of Bridge Part (Unwieldy loads) 15% extra will be allowed on item 141(b)

142 (a) Cartage of stone boulder, ballast. Coal, sand and similar materials by head load including loading and unloading but excluding stacking.

(i) up to 3 chains (90 m )	per cum/chain	15.00
(ii) Beyond 3 chain up to 10 chains (90 m to 300 M)	per cum/chain	11.50

143(a) As in item No. 142 (a) above but for cement, steel, timber, wood and other such materials.

(i) up to 3 chains (90 m )	per qtl/chain	1.40
(ii) Beyond 3 chain up to 10 chains (90 m to 300 M)	per qtl/chain	1.10

**Note:-** Item No142-143 shallnot be given to stock material.

Item	Description	Unit	Rate (Rs.)
144	As in item no. 142 (a) and 143 (a) above but when mules are used in cartage. (i) Up to 0.5 Km. (ii) Beyond 0.5 km.	Per qtl./0.5km. Per qtl./0.5 km.	10.00 5.00

Item	Description	Unit	Rate (Rs.)
145	As in item no 142(a) and 143 above but for unwieldy loads requiring cartage by more than two laborers simul tancously. (a) For regular bridle roads. (b) For foot tracks.	Per qtl./0.5km. Per qtl./0.5km.	33.00 44.00
146	(a) Loading of materials like ballast, coal, grit etc. but excluding stacking. (b) Same as item 146 (a) above but like cement, maxphalt, steel, lime etc. (c) Loading of bricks into truck. (d) Loading of unwieldy materials. (e) Loading of hume pipe of NP-2 (i) Up to 30 cm. dia. (ii) Above 30 cm. but upto 90 cm. dia, (iii) Beyond 90 cm. dia. (f) Loading of maxphalt drums.	Per Cum Per M.T. Per%0 Per M.T. Each Each Each Per M.T.	14.00 13.00 30.00 30.00 9.80 18.70 23.00 45.00
147	(a) Unloading of materials like ballast, coal, grit, sand, etc. excluding stacking. (b) Unloading of materials like cement, steel, maxphalt, lime etc. but excluding stacking. (c) Unloading of bricks including stacking (d) Unloading of unwieldy materials. (e) Unloading of hume pipe. (i) Up to 30 cm. dia. (ii) Above 30 cm. but upto 90 cm. dia, (iii) Beyond 90 cm. dia. (f) i) Unloading of cement, steel, and other items from Railway wagon and stacking on the plate from ii) Same as above but for Maxphalt.	Per cum Per M.T. Per%0 Per M.T. Each Each Each Per M.T. Per M.T.	11.30 10.00 20.00 25.00 15.00 20.00 40.00 28.00 25.30
148	(a) Stacking of stone ballast, grit, and stone boulders etc. (b) Same as item 148 (a) but for cement, coal and maxphalt, lime etc. (c) Stacking of maxphalt drums including shifting up to 30 mtr. (d) Stacking of bricks.	Per cum Per M.T. Per M.T. Per %0	13.00 13.00 16.00 15.00

**CHAPTER - 4**  
**EARTH WORK**

Item No.	Material	Unit	Rate (Rs.)
151	Earthwork in cutting or in embankment in ordinary soil excavation to be in the form of regular pits not exceeding 1/2 meter (20") in depth and earth work in embankment to be in 20 cm (8") layers including ramming dressing the surface to required level and slopes and also including 1.5 meter (5") lifts and 30 meter (100 ft.) lead, the earth from cutting to be used in making embankment or to be deposited as soil bank with in 30 mtrs (100 ft) distance as directed by the Engineer in Charge.	Per % cum	3600.00
	Or		
	Hill side cutting in ordinary soil including removal and disposal of surplus excavated material and debris upto a distance of 30mtr from road side as directed by E.I.C make the Roadway as per plan and L section and as per P.W.D specification and also including cost of all labour,T&P and machinery etc required for proper completion of the work.	Per % cum	3600.00
152	As in item (151) above but excavation in soil mixed with moorum shingle etc. required the use of special T&P such as pickaxes, sabbals etc.	Per % cum	3000.00
153	As in item (152) above but excavation in soft rock and soft shale	Per % cum	3800.00
154	As in item (152) above but excavation in medium rock and medium shale	Per % cum	4500.00
155	As in item (152) above but excavation in hard rock and hard shale	Per % cum	7000.00
156	As in item (152) above but excavation in very hard rock and very hard shale and blasting boulders	Per % cum	12000.00
157	As in item (152) above but excavation in soil with earth mixed with boulders.	Per % cum	4000.00
158	As in item (152) above but excavation in homogeneous rock	Per % cum	Deleted
159	As in item (152) above but excavation in soil in conglomerate.	Per % cum	Deleted
160	As in item 151 to 157 above for every additional lead of 30 meters or part there of or for every additional lift of 1.5 meters of part there of.	Per % cum	600.00
161	Filling earth and stone in plinth including watering dressing ramming and carriage from a distance not exceeding 60 meters from the site of work	Per cum	33.00
162	deleted	-	-
163	Stone filling in wire crates (stone size not less than 20 cm.)	Per cum	250.00
164	Hand packed stone filling (As directed by Engineer-in-Charge.)including cost of material,royalty,T&P etc complete.	Per cum	125.00

Item No.	Material	Unit	Rate (Rs.)
165	Excavation in foundation in all types of soil including lift upto 1.5 meter and lead upto 30 meters and including filling watering and ramming of excavated earth into the trenches or into the space between the building and the sides of foundation trenches or into the plinth and removal and disposal of surplus earth as directed by the Engineer-in-charge upto a distance of 30 meters form the foundation trenches.		
	(a) For building and bridge work	Per cum	50.00
	(b) For road work	Per cum	40.00
165. (a)	Same as in item No. 165 but excavation in soil mixed with gravel and boulders.	Per cum	60.00

#### New item.

1	As in item No 151 but with Mechanical compaction of earth including arrangement of water,roller charges also including cost of all labour ,T&P etc required for proper completion of the work.(for improvement works only)		
	(A) To achieve 97% Proctor density	Per cum	55.00
	(B) To achieve 97% Proctor density	Per cum	50.00
	(C) To achieve 97% Proctor density	Per cum	45.00
2	For removal of defect in hill side cutting 50% extra may be given on above rates	Per cum	50% extra

#### Condition:

Item No 152 to 160 will be allowed only after 100% personal verification & classification & quantities checked by Asistant Engineer,and 5% personal verification by the Executive Engineer and also after recording a certificate to this effect.

## CHAPTER - 5 ROAD WORK

The Rates include Contractor's Profit@10%

Item No.	Material	Unit	Rate (Rs.)
491	Slip clearance of loose earth and other small loose material including disposal as directed by Engineer-in-Charge	Per % cum	2500.00
492	As item 491 above but of earth and boulders	Per % cum	3000.00
493	As item 491 above but of boulders only including blasting required	Per % cum	4500.00
494	Consolidation of stone ballast of 11 cm (4 1/2") thickness by road roller including opening out stacks, sorting stone ballast, repairing patches, in existing road surface with stone ballast picking up old surface, spreading stone ballast, making medhi to retain water and ramming and also including carriage of metal upto 30 mr. (100 ft.) carriage of water and its supply. Supply and maintenance of barriers, caution boards/posts lights at night and flages in day, and including all T&P required for proper completion of work. Labour rate only (Stone ballast to be supplied free of cost)	Per Cum	77.00
494(B)	Same as above item No 494 but including roller charges.	Per Cum	145.00
494©	Same as above item No 494 but in RBM	Per Cum	60.00
495	As in item No. 494 above but of 7.5 cm (3") thickness (stone ballast to supplied free of cost) labour rate only	Per Cum	80.00
495(B)	Same as above item No 495 but including roller charges.	Per Cum	155.00
496	As in item No. 494 above but with 40-90 mm gauge stone ballast upto 15 cm (6") thickness (Stone ballast to be supplied free of cost) labour rate only.	Per Cum	74.00
496(B)	Same as above item No 496 but including roller charges.	Per Cum	140.00
497	Dagbelling 15 cm (6") deep in one line aligned with flags and Jhandies as directed by Engineer-in-charge.	Per K.M.	700.00
498(A)	Painting white traffic lines 8 cm (3") wide in three coat with approved white paint as directed by the Engineer-in-charge including all materials, labour and T&P etc. required for proper completion of work.	Per R.M.	22.00
498(B)	Painting white traffic lines in three coast with approved white paint as directed by the Engineer-in-charge including all materials, labour and T&P etc. required for proper completion of work.	Per Sqm	675.00
499	Stacking of road metal to the required template after Screening at road side including dressing of the side berms as required where metal is to be stacked and including a lead upto 60 m (200 ft)	Per Cum	18.00
500	Bitumen painting over W.B.M. surface (1st cost) excluding supply of bitumen, grit and fuel wood ,maintenance of side patries and watering them during operation for proper completion of the work as directed by the Engineer-in-charge also excluding roller charges and its fuel but including the wages of fireman and tar boiler man-Labour rate only	Per Sqm	10.00
500(B)	Same as above item No 500 but including roller charges.	Per Sqm	13.50
501	As in item 500 above but subsequent coat of painting over previously painted surface (second coat/renewal coat) - Labour rate only	Per Sqm	5.50
501(B)	Same as above item No 501 but including roller charges.	Per Sqm	9.00

Item No.	Material	Unit	Rate (Rs.)
503	Deleted		
504	Scrapping old painted surface including disposal of all scrapped material up to a distance of 30 M (100 ft.) as directed by the Engineer-in-Charge	Per Sqm	11.00
505	Deleted		
506	Deleted		
507	Blinding of W.B.M. surface with local earth having plasticity index less then 6 by spreading evenly to an average depth of 15 mm and filling all interstices of the road metal (labour rate only)	Per K.M.	1550.00
508	Joint filling in C.C. surface lengths (after raking out the joint and removing the old tar or other materials) with suitable materials as directed by the Engineer-In-Charge (labour rate only)	Per K.M.	500.00
509	Consolidation of stone ballast in patch repair by hand rammer including opening out stacks, picking out old surface upto 8 cm in rectangular form making 5 cm wide drain around the patch upto depth or 12 cm carriage of stone ballast and water, staking the unserviceable materials, basichot next day and blinding the same as directed by the Engineer-In-Charge (but excluding supply of stone ballast labour rate only.)	Per Cum	250.00
510	Path repair of painted surface with tar or bitumen including heating of the paint upto the required temperature, pouring it on the surface, spreading of necessary quantity of grit and ramming hard the same with hand roller or rammer and also including cleaning with brushes etc. The existing surface, after scarifying in to the W.B.M. and in rectangular shape and spreading the dismantled material on the patries as directed by the Engineer-In-Charge (labour rate only)	Per Cum	1000.00
510(A)	Same as above but with Bitumen Emulsion	Per Cum	850.00
511	Cleaning of the existing painted surface and laying premix carpet 2 cm thick over a tack coat with graded approved grit and bitumen including heating the paint to the required temperature and mixing either in mixaul or in hand drums including cartage of materials maintenance of side patries and watering them during operation for proper completion of the work as directed by the Engineer-In-Charge (labour rate only)	Per Sqm	13.00
511(A)	Same as above but also including cost of roller charges.		17.00
512	As in item 511 above in patches.	Per Cum	1035.00
513	Cleaning the premix surface and laying seal coat with approved 6 mm graded grit and bitumen including heating the paint to the required temperature including cartage of materials and maintenance of side patries and and watering them during operation, all labour and T&P as directed by the Engineer-In-Charge (Labour rate only)	Per Sqm	4.20
513(A)	Same as above but also including cost of roller charges.		6.10
514	As in item 511 above but on W.B.M. surface	Per Sqm	15.00
514(A)	Same as above but also including cost of roller charges.		18.00



Item No.	Material	Unit	Rate (Rs.)
515	Randum rubble stone masonry in one white lime and two local sand mortal in breast wall/retaining wall, parapet and scuppers etc. including supply of materials, labour, T&P etc. required for proper completion of the work including cost of stone, royalty and carriage upto 150 M	Per Sqm	-
516	As in item 515 above but in cement and local sand mortar (Specified) excluding cost of cement and sand)	Per Cum	325.00
516(a)	Same as above but when stone is not available near the site(quarry rates and cost of cartage from quarry to site of work will be paid extra)	Per Cum	220.00
517	As in item 515 above but in mud mortar	Per Cum	320.00
517(a)	Same as above but when stone is not available near the site(quarry rates and cost of cartage from quarry to site of work will be paid extra)	Per Cum	220.00
518	Randum rubble stone masonry laid dry in breast, walls, retaining walls, parapets, scuppers etc. Including supply of material, labour, T&P and Royalty etc. required for proper completion of the work (This including lead of stone upto to 100 M i.e. 3 chains. In case of stone is carted from a distance more, than 100 M the Executive Engineer, after satisfying himself that stone is not available from a distance lesser than 100 M and that the proposed extra lead is correct, can provide for extra lead in proposal/estimates as under, (but the tenders will always be invited including all leads.)	Per Cum	300.00
518(a)	Same as above but when stone is not available near the site(quarry rates and cost of cartage from quarry to site of work will be paid extra)	Per Cum	220.00
519	Placing of wire crate at site and fixing into rigid position to the required size	Each	40.00
520	Coolie walling including stone, all materials, labour, T&P etc. complete.	Per Cum	180.00
521	Deleted		
522	Cement Plum Masonry with 60% cement concrete in proportion 1:3:7 consisting of one part cement, three part approved coarse sand and 7 part approved stone ballast including labour and T&P etc. required for proper completion of work. ( Labour rates only)	Per Cum	600.00
523	Deleted		
524	Precoating of grit (labour rate only)	Per Cum	125.00
525	R.R. stone masonry laid dry as in item No. 518 and strengthening with square Sal timber or salwood ballies 10 cm dia/section minimum on miter c-/-c including cost of - timber/ballies & nails and hot coaltaring and also including all T&P etc. materials and labour required for proper completion of the work.	Per Cum	deleted
526	Fixing 90 cm and above dia Hume pipe	Per R.M.	300.00
527	Fixing 60 cm to 90 cm dia Hume pipe	Per R.M.	250.00
Item No.	Material	Unit	Rate (Rs.)

530	(a) Construction of 1 Meter wide scupper on hill roads as per standard drawing No. 224/84 date 9.3.84 approved by Chief Engineer (Hills) Pauri including construction of catch pit.  (b) Same as above but without catch pit (c ) Construction of catch pit as per standard drawing if catch pit against 530 (a) in not constructed deduction will be made for catch pit)	Per R.M. Per R.M.  Each	As per actual measurements and quantities
<b>LABOUR RATES FOR DEPARTMENTAL LABOUR</b>			
531	(A) Cleaning of scupper and Catch pit including disposal of surplus material within road boundary including dressing & levelling and ramming for same as directed by Engineer I/C.  (b) As above but half chocked	Each Each	1200.00 750.00
532	Same as item 531 above but cleaning of road side drain including minor slips and making continuous where required to drain of water	Per Km.	5500.00
533	Dressing of Katcha road including failling of ruts Khud and cutting where required to proper shape including disposal of surplus earth as directed by Engineer I/C (a) Motor Roads (b) L.V. Roads (c ) Bridle Road	Per Km Per Km Per Km	4800.00 3500.00 2000.00
534	White washing of road (side edge stone, drums, hill side) etc. Lime consumption not to exceed 60 kg per Km.	Per Km	400.00
535	Dressing of patries including dressing surface, filling upto 8 cm. and making namunas on either side of road true to patri template with side slops as directed by Engineer-In-Charge for proper completion of the work. (a) Hill Roads (b) Plain Roads	Per Km Per Km	3000 Deleted
536	<b>Preliminary and detail survey.</b>		
<b>Part-A</b>			
1	Preliminary survey for alignment(ghat tracing, clearance of jungle etc.) and prepair alignment report in three copies.	Per Km	3000.00
2	White washing on Alignment line and level line after preliminary survey.	Per Km	1000.00
3	Construction of 0.60 meter wide trace cut.	Per Km	14000.00
4	Detail survey work.( For new construction or improvement)	Per Km	6000.00
5	Construction of Job, Level and back cutting pillars.	Per Km	13000.00
6	Cost of paint, rope, pegs and marking back cutting line with lime.	Per Km	1000.00
<b>Total</b>			<b>38000.00</b>
<b>Part-B</b>			
1	Prepair drawing docket in five copies. ( plotting and tracing of Plan, L- Section and X-Scction)	Per Km	5000.00
2	Prepair detail estimate in five copies.	Per Km	2000.00
3	Prepair Land acquisition & forest proposal in five copies as per check list and fact sheet of forest department.	Per Km	5000.00
<b>Total</b>			<b>12000.00</b>
<b>Part-C(For B.M ,S.D.B.C works only)</b>			
1	Taking & Recording level after and before construction of Bituminous surface as per MOSRTH (One time only)	Per Km	2000.00

## Bridge

**New item "Bridge 01":-Supply & fabrication of steel truss(girder) Bridge/Suspension Bridge** as per detailed drawing. Supply of all structural steel conforming to I.S.226-1969 required for proper completion of bridge including ground erection of the bridge and including one coat of approved quality anticorrosive red oxide paint conforming I.S.5660 as per specification & drawing.including all T&P etc. nuts and bolts,Washers and also including supply and fixing of shop rivets referred as per drawing. The rates shall include ground erection in the workshop and its dismantling after inspection,approval and removing of defects,match marking of all parts,numbering and proper stacking in the premises of workshop before cartage to site of work.The work shall be executed in accordance with I.S. 1915-1961 and its latest revision shall be applicable. The rates shall include cost of all material,its wastage,cutting,bending if required,welding,making holes,shop riveting ,labor T&P etc. and also including proper stacking after dismantling of ground erection. All required equipment should be arranged by the contractor at his own cost, which shall be taken b by the contractor after satisfactory execution of the job.Also including supply of all material T&P etc .required for proper completion of work,as per direction of Engineer-in-charge.

Sl. No.	SPAN	NET RATE	
		COST OF STEEL (including Wastage)	+ FABRICATION (including ground erection & all other works)

### **Steel Truss(girder)Bridge**

1	Upto 30 m	Rs. 55500.00 Per M.T.	
2	Above 30 m and upto 60m	Rs. 57000.00 Per M.T.	
3	Above 60m	Rs. 58500.00 Per M.T.	

### **Suspension Bridge**

1	Upto 60 m	Rs. 55500.00 Per M.T.	
2	Above 60m	Rs. 55500.00 Per M.T.	

**New item"Bridge 02":-Erection of Steeltruss(girder)Bridge/Suspension Bridge** as per drawing with required camber including carriage of fabricated parts from the place of stack near site including launching arrangements such as anchor blocks,tower,steel wire ropes,winch machine etc. The design of erection sequences shall conform to I.S. 1915-1961 or latest revision. The erection sequence to be submitted by the contractor to be approved by the Engineer-in-charge.The work shall be executed as per direction of Engineer-in-charge.The rates shall include cost of all labor and T&P etc. and also including cartage from site of stacking at Bridge site to the proper place in the bridge required for proper completion of work,as per direction of Engineer-in-charge.All other equipment required shall be arranged by the contractor at his own cost,which shall be taken back by the contractor after satisfactory execution of the job.

Sl.	SPAN	NET RATE (Rs.)
<b>Steel Truss (girder) Bridge</b>		
1	Upto 30 m	Rs.10000.00 Per M.T.
2	Above 30m and upto 60m	Rs. 11500.00 Per M.T.
	Above 60m	Rs. 13000.00 Per M.T.

**Suspension Bridge**

**New item "Bridge 03":**-**Supply & fixing of fields rivets** of required length as per drawing conforming to designation I.S. 42 RIS 1148-1973, including riveting with rivet guns, its wastage and also including all equipment, material, labour, T&P etc. required for proper completion of work as per direction of Engineer-in-charge.

A.	20 mm Dia.	Rs. 90.00 Per No.
B.	22 mm Dia.	Rs. 105.00 Per No.

**Notes:- (Only for New item "Bridge 01", "Bridge 02", "Bridge 03")**

- 1- These rates are at nearest railhead and include Octroi, Royalty and all type of taxes.
- 2- All material shall conform to relevant I.S. Code/P.W.D. specification.
- 3- Required test shall be carried out for the material brought to site at the cost of the contractor.
- 4- Rates are exclusive of contractor's profit. 10% contractor's profit shall be allowed.
- 5- Rates are inclusive of wastage.
- 6- Index for distance/altitude shall not be allowed on above rates.
- 7- Rates are inclusive of all type of safety measured and watch and ward arrangements during construction.