

BILL OF QUANTITY FOR NIRGAD SITE

SL. NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE IN FIGURES	RATE IN (WORDS)	AMOUNT (Rs.)
1.0	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work)					
a.	Ordinary soil					
	Manual Means (Depth upto 3 m)	Cum	1,073.48	638.80		6,85,739.02
	Manual Means (Depth upto 6 m)		31.60	821.31		25,953.40
	Mechanical Means (Depth upto 3 m)	Cum	1,073.48	50.60		54,318.09
	Mechanical Means (Depth upto 6 m)		31.60	57.89		1,829.32
b.	Ordinary rock (not requiring blasting)					
	Manual Means (Depth upto 3 m)	Cum	2,146.96	798.50		17,14,347.56
	Manual Means (Depth upto 6 m)		63.19	1,026.71		64,877.89
	Mechanical Means	Cum	2,210.15	62.80		1,38,797.42
c.	Hard rock (blasting prohibited)					
	Mechanical Means	Cum	4,420.30	886.80		39,19,922.04
2.0	Carriage of materials by mechanical transport including loading, unloading and stacking of excavated earth up to 5.0 Km.	Cum	5,500.00	208.70		11,47,850.00
3.0	Carriage of materials by mechanical transport including loading, unloading and stacking of excavated rock upto 5.0 Km.	Cum	2,500.00	333.90		8,34,750.00
4.0	Supply of prefabricated Hot dipped galvanized steel bolted frame with hot dip galvanized nut & bolts and galvanized steel washer for Check Dam structure no. 3 and Ground sill no 1 below dam 1 (import from Japan) , including fixing/assembly in position and all complete as per drawing and technical specifications.	Tonne	35.42	313479.1		1,11,03,429.72
4.1	Hot dipped galvanized steel (IS 2062) bolted frame work with hot dip galvanized nut & bolts and galvanized steel washer for Check Dam structures/channel work, including supply,fabrication, fixing/assembly in position and all complete as per drawing and technical specifications	Tonne	67.48	232560		1,56,93,148.80
4.2	Technical Advisor Expenses for 01 Month for steel frame dam installation and assembly (to be imported from Japan)	LS				18,73,500.00
4.3	Supply and fixing Hot rolled soft steel Expand metal mesh (import from Japan) for leakage protection as per specification.	Kg	4593.86	321.61		14,77,431.31

BILL OF QUANTITY FOR NIRGAD SITE

SL. NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE IN FIGURES	RATE IN (WORDS)	AMOUNT (Rs.)
4.4	Supply and fixing Hot rolled soft steel Expand metal mesh for leakage protection as per specification.	Kg	8777.26	112.40		9,86,564.02
5.0	Filling the Check Dam/Gabian structure with boulders with least dimension of 200 mm , complete as per specification & direction of Engineer-in-charge .	Cum	1,289.40	1293.00		16,67,194.20
6.0	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	1,429.30	227.10		3,24,594.03
7.0	Stone masonry work in cement mortar 1:3 in foundation complete as drawing and Technical Specification					
	Random Rubble Masonry	Cum	6.90	4976.10		34,335.09
8.0	Gabian Structure for Erosion Control, River Training Works and Protection works (Providing and constructing gabain structures for erosion control, river training works and protection works with wire crates of size 1.5 m x 1 m x 0.5 m each divided into 1m compartments by cross netting, made from 4 mm galvanised steel wire @ 32 kg per 10 sqm having minimum tensile strength of 300 Mpa conforming to IS:280 and galvanizing coating conforming to IS:4826, woven into mesh with double twist, mesh size not exceeding 100 mm x 100 mm, filled with boulders with least dimension of 200 mm, all loose ends to be securely tied with 4 mm	Cum	362.45	4000.90		14,50,126.21
9.0	Providing and laying boulders apron on river bed for protection against scour with stone boulders weighing not less than 40 kg each complete as per drawing and Technical specification.					
	Boulder laid dry without wire crates.	Cum	33.68	1538.40		51,813.31
10.0	Supply and fixing of Suction prevention material etc. complete as per drawing and Technical specification.	Sqm	795.56	1655.90		13,17,367.80
11.0	Supply and laying of Sand bag with 25mm dia. 700 mm long steel nail etc. all complete as per drawing and technical specification.	Nos.	86.00	359.30		30,899.80

BILL OF QUANTITY FOR NIRGAD SITE

SL. NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE IN FIGURES	RATE IN (WORDS)	AMOUNT (Rs.)
12.0	Earth work in surface excavation not exceeding 30 cm in depth but exceeding 1.5 m in width as well as 10 sqm on plan including getting out and disposal of excavated earth upto 50 m and lift upto 1.5 m, as directed by Engineer-in- Charge: All kinds of soil	Sqm	3,532.60	95.70		3,38,069.82
13.0	Supply and fixing of high porosity non-woven fabric soil Erosion control mat (make TAKINO FILTER SP- 45 wn (W-1.0m x L-20m/Roll) or equivalent) made of crimped polyester fiber with natural vegetation function includeing galvanized coating anchor bar of 10mm dia, length 200mm and anchor pin of dia. 6mm, length 150mm and labour all etc. complete as per drawing and technical specification.	Sqm	3,532.60	1236.00		43,66,293.60
14.0	Hot dipped galvanized steel frame work bolted/welded with hot dip galvanized nut & bolt and galvanized steel washer for Gabion (Cage) import from Japan , including supply,fabrication, fixing in position and all complete as per drawing and technical specification.	Tonne	1.10	314032.6		3,45,435.86
14.1	Hot dipped galvanized steel (IS 2062) frame work bolted/welded with hot dip galvanized nut & bolt and galvanized steel washer for Gabion (Cage), including supply,fabrication, fixing in position and all complete as per drawing and technical specification.	Tonne	4.30	250280		10,75,703.44
14.2	Technical Advisor Expenses for Cage type Gabion installation and assembly for 1 Month(to be imported from Japan)	LS				18,73,500.00
15.0	Supplying, Laying, spreading and compacting stone aggregate of sizes 53 mm to 22.4 mm in uniform thickness.	Cum	64.71	2,386.30		1,54,417.47
16.0	Plain/Reinforced cement concrete in sub-structure complete as per drawing and technical specifications					
	PCC Grade M25					
	Height upto 5m					
	Using concrete Mixer	Cum	318.36	6196.80		19,72,813.25
17.0	Centering and shuttering including strutting, propping etc. and removal of form work for :					

BILL OF QUANTITY FOR NIRGAD SITE

SL. NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE IN FIGURES	RATE IN (WORDS)	AMOUNT (Rs.)
	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	Sqm	965.00	630.00		6,07,950.00
18.0	Laying Reinforced Cement Concrete Pipe NP4/prestressed concrete pipe on first class bedding in single row . (Laying Reinforced cement concrete pipe NP3/prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets) 1000 mm dia	Rmt	7.40	5752.30		42,567.02
19.0	Providing and fixing 3.15 mm thick M.S. sheet , including applying a priming coat of approved steel primer.	Sqm	16.30	3598.90		58,662.07
20.0	Steel work welded in built up sections / framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Sqm	33.12	7433.30		2,46,190.90
21.0	Providing and fixing precast reinforced cement concrete paratorated drain cover work of any size but thickness not more than 75 mm, reinforced with 8 mm dia. TMT bars, including providing 50 mm dia. perforations @ 100 to 150 mm c/c ,including the cost of required centering, shuttering , with 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) all as per direction of Engineer-in-charge.	Cum	1.66	22138.80		36,661.85
22.0	Miscellaneous works					
	Temporary Road	JOB	1.00			6,30,670.00
	Pipe culvert for road crossing	JOB	1.00			3,91,751.00
				Total Cost (A)		5,67,39,475.31
				MR/DSR Cost (B)		4,01,45,420.49
				SOR Cost (C)		1,65,94,054.82
				Add GST @ 12 % on C (D)		19,91,286.58
				Grand Total E = A + D		5,87,30,761.89

BILL OF QUANTITY FOR JAWADI SITE

SL. NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE IN FIGURES	AMOUNT (Rs.)
1.0	Re- shape of earth work in slope surface excavation not exceeding 20 cm in depth including getting out and disposal of excavated earth, as directed by UFRMP: All kinds of soil	Sqm	7,936.60	32.86	2,60,796.68
2.0	Finished of earth work in slope surface , as directed by UFRMP: All kinds of soil	Sqm	7,936.60	32.86	2,60,796.68
3.0	Re- shape of earth work in slope surface , as directed by UFRMP: All kinds of soil	Sqm	30,054.00	32.86	9,87,574.44
4.0	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work).				
a.	Ordinary soil				
	Manual Means (Depth upto 3 m)	Cum	8,643.24	638.80	55,21,301.71
	Manual Means (Depth upto 6 m)		950.58	821.31	7,80,720.86
	Mechanical Means (Depth upto 3 m)	Cum	8,643.24	50.60	4,37,347.94
	Mechanical Means (Depth upto 6 m)		950.58	57.89	55,029.08
b.	Ordinary rock (not requiring blasting)				
	Manual Means (Depth upto 3 m)	Cum	8,643.24	798.50	69,01,627.14
	Manual Means (Depth upto 6 m)		950.58	1,026.64	9,75,903.45
	Mechanical Means	Cum	9,593.81	62.80	6,02,491.27
c.	Hard rock (blasting prohibited)				
	Mechanical Means	Cum	9,593.81	886.80	85,07,790.71
5.0	Removal of unserviceable soil with disposal upto 1000 metres (Removal of unserviceable soil including excavation, loading and disposal upto 1000 metres lead but excluding replacement by suitable soil which shall be paid separately as per clause 305.)	Cum	39,048.08	63.90	24,95,172.31
6.0	Carriage of materials by mechanical transport including loading, unloading and stacking of excavated earth up to 5.0 Km. at approved municipal/local authority dumping ground.	Cum	41,548.28	266.80	1,10,85,081.10
7.0	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	6,420.79	290.40	18,64,597.42
8.0	Plain/Reinforced cement concrete in sub-structure complete as per drawing and technical specifications				
	PCC Grade M25				
	Height upto 5m				
	Using concrete Mixer	Cum	629.58	7447.20	46,88,608.18

BILL OF QUANTITY FOR JAWADI SITE

SL. NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE IN FIGURES	AMOUNT (RS.)
9.0	Centering and shuttering including strutting, propping etc. and removal of form work for :				
	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	Sqm	1,100.22	805.50	8,86,227.21
10.0	Supply & installation of zinc coated chain-link wire mesh, Mesh size 50x50mm, wire dia 2.0mm with zinc coated anchor bar 400mm long of dia. 16mm, anchor pin 200mm long of dia. 10 mm and spacers (Material should conform to detailed specifications and drawings as attached).	Sqm	7,936.60	644.00	51,11,170.40
11.0	Providing & fixing in TMT Fe 500D grade reinforcement bars of 16mm dia including required formwork for crib work, complete as per specification & direction of UFRMP .	Rmt	7,736.20	583.00	45,10,204.60
12.0	Supply of TMT Fe 500D grade reinforcement main anchor bars of 20mm dia. & 800mm long, complete as per specification & direction of UFRMP .	Nos.	2,021.00	120.90	2,44,338.90
13.0	Supply of TMT Fe 500D grade reinforcement sub anchor bars of 16 mm dia. & 500mm long, complete as per specification & direction of UFRMP .	Nos.	6,412.00	47.70	3,05,852.40
14.0	Installation of TMT Fe 500D grade reinforcement main anchor bars of 20mm dia. & 800mm long, complete as per specification & direction of UFRMP .	Nos.	2,021.00	38.80	78,414.80
15.0	Supply of TMT Fe 500D grade reinforcement bars of 10mm dia. & 200mm long, complete as per specification & direction of UFRMP .	Nos.	550.00	8.75	4,812.50
16.0	Shotcrete in crib work of design strength 18N/Sq.mm, complete as per drawing and technical specifications.	Cum	859.80	20471.75	1,76,01,610.65
16.1	Supervision of crib work by Japanese Expert imported from Japan	Job	1.00		1,75,00,000.00
17.0	Hydro seeding work including all associated accessories, equipment, labour, material etc. all complete as per drawing and technical specification.	Sqm	4,525.60	1017.75	46,05,929.40
18.0	Supply and fixing of high porosity non-woven fabric soil Erosion control mat (make TAKINO FILTER SP- 45 wn (W-1.0m x L-20m/Roll) or equivalent) made of crimped polyester fiber with natural vegetation function including galvanized coating anchor bar of 10mm dia, length 200mm and anchor pin of dia. 6mm, length 150mm and labour all etc. complete as per drawing and technical specification.	Sqm	29,879.40	1236.00	3,69,30,938.40
19.0	Fence work in 100mm dia. wooden log of length 2.0 meter with 32mm dia deformed bar of length 1.0 meter post 0.70 meter embedded in ground and bind with 2.6mm dia. Wire to wooden log and iron post, complete as per drawing and Technical Specification	Meter	7,741.30	848.00	65,64,622.40
20.0	Providing and laying 15 cm thick stone base over a prepared subgrade for drain as per drawings and technical specifications. The size of stones shall not be less than 15 cm x 15 cm and thickness of stones shall vary from 10 cm to 15 cm. The work includes filling of joints with PCC 1:2:4 as per the standard drawings and instructions of the UFRMP.	Sqm	432.54	503.50	2,17,783.89

BILL OF QUANTITY FOR JAWADI SITE						
SL. NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE IN FIGURES	AMOUNT (Rs.)	
21.0	Providing and laying 200 mm thick bed of dry stone ballast 40 mm nominal size, well rammed and consolidated, including necessary excavation, levelling & dressing & finishing the top smooth.	Sqm	2,640.63	776.80	20,51,241.38	
22.0	Stone masonry work in cement mortar 1:3 in foundation complete as drawing and Technical Specification					
22.1	Random Rubble Masonry	Cum	963.73	5129.20	49,43,163.92	
23.0	Gabian Structure for Erosion Control, River Training Works and Protection works (Providing and constructing gabain structures for erosion control, river training works and protection works with wire crates of size 1.5 m x 1 m x 0.5 m each divided into 1m compartments by cross netting, made from 4 mm galvanised steel wire @ 32 kg per 10 sqm having minimum tensile strength of 300 Mpa conforming to IS:280 and galvanizing coating conforming to IS:4826, woven into mesh with double twist, mesh size not exceeding 100 mm x 100 mm, filled with boulders with least dimension of 200 mm, all loose ends to be securely tied with 4 mm galvanised steel wire.)	Cum	1,721.30	4430.70	76,26,563.91	
24.0	Supply and fixing of Suction prevention material etc. complete as per drawing and Technical specification.	Sqm	2,002.80	1655.90	33,16,436.52	
25.0	Providing and fixing 3.15 mm thick M.S. sheet, including applying a priming coat of approved steel primer.	Sqm	71.10	3300.9	2,34,693.99	
26.0	Providing and fixing 20 mm thick compressible fibre board in expansion joint complete as per drawing and technical specifications	Sqm	59.20	551.00	32,619.20	
27.0	Providing and fixing of temporary rockfall protection fence as per design and drawing.	LS	1.00		14,65,326.72	
28.0	Providing and Laying Reinforced Cement Concrete Pipe NP4 as per design in Single Row Providing and laying reinforced cement concrete pipe NP4 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets Clause 1106. 1200 mm dia	Rmt	8.50	8494.00	72,199.00	
29.0 a	Miscellaneous Work Temporary Road work	Job	1.00		69,27,541.00	
				Total Cost	16,66,56,530.16	
				MR/DSR Cost	9,69,05,339.87	
				SOR Cost (C)	6,97,51,190.29	
				Add GST @	83,70,142.83	
				Grand Total	17,50,26,672.99	

BILL OF QUANTITY FOR PADLI SITE

SL. NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE IN FIGURES	AMOUNT (Rs.)
1.0	Re- shape of earth work in slope surface excavation not exceeding 20 cm in depth including getting out and disposal of excavated earth, as directed by UFRMP All kinds of soil	Sqm	12,858.90	32.86	4,22,543.45
2.0	Finished of earth work in slope surface , as directed by UFRMP: All kinds of soil	Sqm	6,019.60	32.86	1,97,804.06
3.0	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work).				
a.	Ordinary soil Manual Means (Depth upto 3 m)	Cum	101.80	638.80	65,029.84
b.	Ordinary rock (not requiring blasting) Manual Means (Depth upto 3 m) Mechanical Means	Cum	40.42	798.50	32,275.37
c.	Hard rock (blasting prohibited) Mechanical Means	Cum	40.72	62.80	2,557.22
			20.36	886.80	18,055.25
4.0	Carriage of materials by mechanical transport including loading, unloading and stacking of excavated stone up to 1.0 Km.	Cum	96.20	234.80	22,587.76
5.0	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	Cum	68.20	245.70	16,756.74
6.0	Supply & installation of zinc coated chain-link wire mesh, Mesh size 50x50mm, wire dia 2.0mm with zinc coated anchor bar 400mm long of dia. 16mm, anchor pin 200mm long of dia. 10 mm and spacers (Material should conform to detailed specifications and drawings as attached).	Sqm	6,019.60	644.00	38,76,622.40
7.0	Providing & fixing in TMT Fe 500D grade reinforcement bars of 16mm dia including required formwork for crib work, complete as per specification & direction of UFRMP .	Rmt	6,036.10	575.00	34,70,757.50
8.0	Supply of TMT Fe 500D grade reinforcement main anchor bars of 20mm dia. & 800mm long, complete as per specification & direction of UFRMP .	Nos.	1,947.00	119.10	2,31,887.70
9.0	Supply of TMT Fe 500D grade reinforcement sub anchor bars of 16mm dia. & 500mm long, complete as per specification & direction of UFRMP .	Nos.	4,495.00	47.70	2,14,411.50
10.0	Installation of TMT Fe 500D grade reinforcement main anchor bars of 20mm dia. & 800mm long, complete as per specification & direction of UFRMP .	Nos.	1,947.00	38.80	75,543.60

BILL OF QUANTITY FOR PADLI SITE

SL. NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE IN FIGURES	AMOUNT (Rs.)
11.0	Supply & fixing of PVC pipe sleeves 300mm long & 75mm dia. complete as per specification & direction of UFRMP.	Nos.	506.00	35.00	17,710.00
12.0	Shotcrete in crib work of design strength 18N/Sq.mm, complete as per drawing and technical specifications.	Cum	635.00	16359.78	1,03,88,460.30
12.1	Supervision of Crib work by Japanese Expert (imported from Japan)	Job	1.00		1,25,00,000.00
13.0	Hydro seeding work including all associated accessories, equipment, labour, material etc. all complete as per drawing and technical specification.	Sqm	3,597.40	1027.95	36,97,947.33
14.0	Supply and installation of zinc coated fully threaded 3.5 meter long rock bolt made of 20mm φ rods as per technical specifications and drawings etc. complete including 50 mm dia. drilling, grouting, head treatment and all lead, lift and machinery, including supply and installation of hexagonal nut, washer, head plate of 150x150x10mm size and centerizer for rock bolts as per technical specifications and drawings etc. complete including all lead, lift and machinery.	Each	506.00	4464.20	22,58,885.20
14.1	Supply of machinery (imported from Japan- If required) for the drilling for rockbolt work. The machinery if imported from japan shall be owned by UFRMP and shall be the property of UFRMP after the completion of construction works which has to be handed over to UFRMP in good working condition.	Job	1.00		50,00,000.00
14.2	Supervision of above rockbolt work by Japanese Expert (imported from Japan)	Job	1		2,31,25,000.00
15.0	Scaffolding work for above work (If necessary)	Cum	2,881.40	172.40	4,96,753.36
16.0	Supply and fixing of high porosity non-woven fabric soil Erosion control mat (make TAKINO FILTER SP- 45 wn (W-1.0m x L-20m/Roll) or equivalent) made of crimped polyester fiber with natural vegetation function including galvanized coating anchor bar of 10mm dia, length 200mm and anchor pin of dia. 6mm, length 150mm and labour all etc. complete as per drawing and technical specification.	Sqm	6,662.10	1236.00	82,34,355.60
17.0	Fence work in 100mm dia. wooden log of length 2.0 meter with 32mm dia deformed bar of length 1.0 meter post 0.70 meter embeded in ground and bound with 2.6mm dia. Wire to wooden log and iron post, complete as per drawing and Technical Specification	Meter	1,043.60	848.00	8,84,972.80
18.0	Stone masonry work in cement mortar 1:3 in foundation complete as drawing and Technical Specification				
	Random Rubble Masonry	Cum	90.30	3798.80	3,43,031.64

BILL OF QUANTITY FOR PADLI SITE

SL. NO.	DESCRIPTION OF ITEM	UNIT	QUANTITY	RATE IN FIGURES	AMOUNT (Rs.)
19.0	Random Rubble Stone Masonry laid Dry, in breast walls, retaining walls, etc. including supply of all material, labour, T&P and royalties etc. complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 of MORD Specification	Cum	9.80	1,719.80	16,854.04
20.0	Gabian Structure for Erosion Control, River Training Works and Protection works (Providing and constructing gabion structures for erosion control, river training works and protection works with wire crates of size 1.5 m x 1 m x 0.5 m each divided into 1m compartments by cross netting, made from 4 mm galvanised steel wire @ 32 kg per 10 sqm having minimum tensile strength of 300 Mpa conforming to IS:280 and galvanizing coating conforming to IS:4826, woven into mesh with double twist, mesh size not exceeding 100 mm x 100 mm, filled with boulders with least dimension of 200 mm, all loose ends to be securely tied with 4 mm galvanised steel wire.)	Cum	58.50	4015.70	2,34,918.45
21.0	Supply and fixing of Suction prevention material etc. complete as per drawing and Technical specification.	Sqm	144.40	1655.90	2,39,111.96
22.0	Providing and laying of wire crates 1.5x1.0x0.50 in size with GI wire conforming to IS: 280 & IS:4826 in 150mm x 150mm mesh laid with stone boulders. as per direction of UFRMP. (As per PWD Uttarakhnad specifications)	Cum	560.25	2304.70	12,91,208.18
23.0	Laying Reinforced Cement Concrete Pipe NP4/prestressed concrete pipe on first class bedding in single row . (Laying Reinforced cement concrete pipe NP4/prestressed concrete pipe for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection works, backfilling, concrete and masonry works in head walls and parapets)	Rmt	10.00	8590.20	85,902.00
24.0	Construction of side drain (Kerb and Channel type) along the existing NH road as per design as per technical specification with all respect.	Rmt	30.00	581.13	17,433.90
25.0	Rockfall prevention fence for facilitating the slope stabilization work complete as per drawing and Technical specification.	Job	1.00		24,00,000.00
26.0	Re-alignment of NH (Approx. 110 mtrs.) as per drawing and design)	Job	1.00		4,23,00,532.00
27.0	Carriage of materials				
a	Carriage of materials by mechanical transport in slope surface including loading, unloading and stacking up to 200 meter.	Tonne	465.40		
b	Carriage of materials by mechanical transport in slope surface including loading, unloading and stacking up to 300 meter.	Tonne	1,077.36		20,00,000.00
c	Carriage of materials by mechanical transport in slope surface including loading, unloading and stacking up to 400 meter.	Tonne	363.38		
				Total Cost	12,41,79,909.15
				MR/DSR Cost	12,20,72,643.26
				SOR Cost (C)	21,07,265.89
				Add GST @	2,52,871.91
				Grand Total	12,44,32,781.06