

**HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT**

Sealed item rate tender on form No. 6 & 8 are hereby invited by the Executive Engineer, HP PWD Division Tanda at Nagrota Bagwan on behalf of Governor of Himachal Pradesh for the following work from the approved and eligible contractors enlisted in HP PWD (B & R) whose registration stood renewed as per revised rules so as to reach in his office on or before on **03.10.2022** up to **11:00 A.M.** And the same shall be opened on the same day at **11:30 A.M.** in the presence of intending contractors or their authorized representatives. The tender form can be obtained from his office on cash payment (non refundable) on **01.10.2022** up to **4:00 P.M** and the application for issue of tender form shall be received on **30.09.2022** up to **12:00 noon**. The applications for issue of tender forms accompanied with enlistment letter or renewal letter and the earnest money in the shape of National Saving Certificates/Saving Account of the Post Office /Time Deposit account/FDR in Himachal Pradesh duly pledged in favour of Executive Engineer, HP PWD Division Tanda at Nagrota Bagwan.

The conditional tender and the tender received without earnest money will summarily be rejected. The offer of the tender shall be kept open for 120 days.

Sr. No.	Name of work	Estimated Cost	Earnest Money	Time limit
1.	Construction of link road from Ambla Basti and Rahar Basti in G.P. Uperli Manjhetli Km 0/000 to 2/000 in Distt Kangra (HP) (SH:-Construction of wire crates work at RD 0/600 to 0/685).	269769/-	5400/-	Three months
2.	Construction of Strong Room for EVM in Govt. Degree at Nagrota Bagwan in Distt Kangra (HP) (SH:-Construction of Civil work (Deposit work)	256772/-	5150/-	Two months
3.	Construction of link road from Jalot Hardoo Bachhun Lalehar Uperli Kothi road in Distt Kangra (HP) (SH:-Construction of retaining wall at RD 0/530 to 0/545 & C/O 900mm dia Hume pipe culvert at RD 0/320).	475205/-	9550/-	Three months
4.	Restoration of rain damages on NH to village Ambkhola in Distt Kangra (HP) (SH:-Providing and laying cement concrete pavement at RD 0/370 to 0/517).	470895/-	9500/-	Three months
5.	Restoration of rain damages on near Jagdish Chand house at village Lilly in distt Kangra (HP) (SH:-Construction of retaining wall at RD 0/000 to 0/010).	138112/-	2800/-	Three months
6.	Construction of link road from Danoa to Kharat Khas via Drad in Distt Kangra (HP) (SH:-Removal of formation deficiencies at RD 0/800 to 0/900, improvement of road width by providing retaining wall at RD 0/930 to 0/950, C/O road side parapets at various reaches and providing and laying cement concrete pavement road at RD 0/800 to 0/856).	499964/-	10000/-	Three months
7.	Special repair to 500 Bedded Hspital at Dr R.P. Govt. Medical College Tanda in Distt Kangra (HP) (SH:-Providing and fixing aluminium work, prelaminated board and glass panes etc; in Blood bank)	279025/-	5600/-	Three months
8.	Construction of Assistant Engineer Office at HP PWD Sub-Division Baroh under Division Tanda at Nagrota Bagwan in Distt Kangra (HP) (SH:-Balance civil work including water supply and sanitary installation etc;)	499946/-	10000/-	Three months
9.	Restoration of rain damages on various roads under Baroh Sub-Division HP PWD Baroh in Distt Kangra (HP) (SH:-Repair of pot holes by providing patch work (Radh Section).	499942/-	10000/-	One month
10.	Restoration of rain damages on link road Barialkar to Sanani Km 0/000 to 2/475 in Distt Kangra (HP) (SH:-Construction of retaining wall at RD 0/303 to 0315).	439414/-	8800/-	Three months
11.	Restoration of rain damages on Nagrota Baldhar Dhaloon road Km 0/000 to 9/500 in Distt Kangra (HP) (SH:-Construction of retaining wall at RD 1/795 to 1/801 to 1/808.60 & 1/825 to 1/850).	336709/-	6800/-	Three months
12.	Construction of 25.00 mtr span foot bridge to connect village Ocha in Distt Kangra (HP) (SH:-Construction of Ocha side approaches).	499996/-	10000/-	Three months
13.	Construction of 25.00mtr span foot bridge to connect village Ocha in Distt Kangra (HP) (SH:-Construction of Sakra Basti side approaches)	499940/-	10000/-	Three months
14.	Construction of link road from Ramehar to Tangroti in G.P. Ramehar Km 0/000 to 2/500 in Distt Kangra (HP) (SH:-Construction of retaining wall at various RD's in between Km 0/0000 to 2/000).	480745/-	9800/-	Three months
15.	Construction of link road to village Bhadrehar in Distt Kangra (HP) (SH:-Providing and laying cement concrete pavement at RD 0/000 to 0/170).	493425/-	9900/-	Three months
16.	Restoration of rain damages on link road Dola to Bhorna in Distt Kangra (HP) (Deposit work) (SH:-Construction of 2.00 mtr span RCC slab culvert at RD 0/640).	418724/-	8400/-	Three months
17.	Jeepable road (Hony capt) Late Sh MadhoRam Shorya Chakkar V.P.O. Upparli Kothi Tehsil Nagrota Bahwan in Distt Kangra in Distt Kangra (HP) (SH:-Construction of Edge wall at RD 0/010 to 0/025, 0/052 to 0/062, 0/080 to 0/095).	499975/-	10000/-	Three months
18.	Restoration of rain damages on various roads under Baroh Sub-Division HP PWD Baroh in Distt Kangra (HP) (SH:-Hiring of JCB Hydraulic Excavator-Cum-Loader for removal of land slide (Radh Section).	249975/-	5000/-	One month
19.	Restoration of rain damages on various roads under Baroh Sub-Division HP PWD Baroh in Distt Kangra (HP) (SH:-Hiring of JCB Hydraulic Excavator-Cum-Loader for removal of land slide (Kandi Section& Sunhi section).	249975/-	5000/-	One month
20.	Restoration of rain damage son link road Nihargalu Bhatti to village Barana Km 0/000 to 4/600 in DisttKangra (HP) (SH:-Construction of retaining wall at RD 4/015 to 4/030 (Length 15.00 Mtrs Ht. 2.44).	220292/-	4450/-	Three months



21	Restoration of rain damages on Chhughera Kandi road Km 0/000 to 20/000 in Distt Kangra (HP) (SH:-Protection work existing RCC slab culvert by providing retaining wall at RD 8/885 to 8/892).	261310/-	5250/-	Three months
22	Construction of link road Rajiana to Surani via Churan in Distt Kangra (HP) (SH:-Construction of U-shape drain with edge wall at RD 3/720 to 3/973).	499808/-	10000/-	Three months
23	Restoration of rain damages on Chhughera Kandi road Km 0/000 to 20/000 in Distt Kangra (HP) (SH:-Construction of retaining wall at RD 5/240 to 5/250).	204099/-	4100/-	Three months
24.	Construction of link road Rajiana to Surani via Churan in Distt Kangra (HP) (SH:-Construction of vented causeway with approaches at RD 3/700 Providing and laying cement concrete Pavement road at RD 3/700 to 3/758).	10000/-	10000/-	Three months

**Terms & Conditions:-**

1. The contractor/firm should be registered as or dealer GST No.
2. The intending contractor / firm have to produce the copy of latest enlistment and renewal enlisted in HPPWD.
3. If any of the date mentioned above happened to be Gazetted Holidays the same shall be processed on next working day.
4. The Executive Engineer reserves the right to accept/reject any tender/application or all tenders without assigning any reason.
5. The Contractor will have to submit affidavit along with application for issue of tender that he has not more than two works in hand.
6. Next tender will be issued only after completion of previous works in hand.

Executive Engineer  
H.P.P.W.D. Tanda Division  
at Nagrota Bagwan

(On behalf of Governor of Himachal Pradesh)

**HIMSUCHANA AVAM & JAN SAMPARK**

No.PW/NBD/TA/Tender/NIT/2022/

9724-53

Dated/

20-9-2022

**Copy to the following for information and necessary action:-**

1. The Principal Secy. (PW) to the Govt. of H.P. Shimla.
2. The Engineer-in-Chief, HPPWD, Shimla.
3. The Chief Engineer (KZ), HPPWD, Dharamshala.
4. The Director, Information & Publications Department, H.P. Shimla
5. The Executive Engineer (IT), Nigam Vihar Shimla 2 for information. He is requested to upload the same on the department website.
6. The Superintending Engineer, 5<sup>th</sup> Circle, HPPWD, Palampur.
7. The Principal, Dr. RPGMC, Tanda.
8. The Deputy Commissioner, Kangra at Dharamshala.
9. All the S.E.s/E.E.s under North Zone.
10. The Sub-Divisional Officer(C) Nagrota Bagwan.
11. The Block Development Office Nagrota Bagwan
12. All the Assistant Engineer under this Division.
13. The Drawing /Accounts Branch in this office.
14. The Contractors concerned.
15. Notice Board.

Executive Engineer  
H.P.P.W.D. Tanda Division  
at Nagrota Bagwan



Schedule of quantity

ESTIMATED COST :- ₹ 269769.00  
EARNEST MONEY :- ₹ 5400.00  
TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of link road from Ambla Basti and Rahar Basti in G.P. Upreli Manjhedi Km 0/000 to 2/000 in Distt. Kangra (H.P.).  
SUB-HEAD :- Construction of Wire Crates work at RD 0/600 to 0/685

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	28.18 Cubic meters			Per cubic metre	
2	Providing and laying of boulder apron laid in wire crates with 4mm dia (Four millimeters) GI wire conforming to IS:280 and IS:4826 in 150mm x 150mm (One hundred fifty into One hundred fifty millimeters) mesh (woven diagonally) including 10% (Ten percent) extra for laps and joints laid with stone boulders weighing not less than 25 Kgs (Twenty five kilograms) each as per drawing and technical specifications Clause 1301, as directed by the Engineer-In-charge, including carriage of materials within all leads, lifts and other incidentals.	103.25 Cubic meters			Per cubic metre	
<b>TOTAL:-</b>						

## SCHEDULE OF QUANTITY

**NAME OF WORK :-** Construction of Strong Room for EVM in Govt. Degree College at Nagrota Bagwan in Distt. Kangra (H.P.)


**SUB-HEAD :-** Construction of Civil work (Deposit Work)

ESTIMATED COST:- Rs. 256772.00  
EARNEST MONEY :- Rs. 5150.00  
TIME LIMIT : TWO MONTHS

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 (Seven point five) in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (One cement : six coarse sand) complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	8.10 Cubic meters			Per cubic metre	
2	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (Three hundred into three hundred millimetres) (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm (Twenty millimetres) thick cement mortar 1:4 (One Cement : four Coarse sand), Jointing with grey cement slurry @ 3.3 kg/sqm (Three point three kilogramme/square metre) including pointing the joints with white cement and matching pigment etc., complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	40.09 Square meters			Per square metre	
3	Providing and fixing 0.60mm (Zero point sixty millimetres) thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating to back coat of polyester of 5 (Five) microns over 5 (Five) microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm (Six millimetres) diameter with prepainted limpet and rubber washers complete with all accessories as required complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	58.65 Square meters			Per square metre	
4	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	263.93 Kilogramme			Per Kilogramme	



5	Providing and fixing MS BP sheet 1.66 to 2mm (One point sixty six to two millimetres) thick in eaves board/facia/soffits/ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	7.53 Square meters			Per square metre	
6	Providing and fixing Polyethelene-Aluminium Polyethelene PE-AL- PE Composite Pressure Pipes conforming to IS - 15450, U.V. stabilized with carbon black having thermal stability for hot & cold water supply, capable to withstand temperature up to 80°C, including all special fittings of composite material (engineering plastic blend and brass inserts wherever required) e.g. elbows, tees, reducers, couplers & connectors etc., with clamps at 1.00 (one) metre spacing includes testing of joints complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	40.00 Running metre			Per running metre	
7	Providing and fixing 10/12.50 (Ten/Twelve point fifty) litre capacity P.V.C. low level flushing cistern of ISI marked or its equivalent with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	2.00 Numbers			Each	
8	Providing and fixing white vitreous china flat back or wall corner type lipped front urinal basin of 430x260x350 mm (Four hundred thirty into two hundred sixty into three hundred fifty millimetres) and 340x410x265 mm (Three hundred forty into four hundred ten into two hundred sixty five millimetres) sizes respectively with automatic flushing cistern with standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required One urinal basin with 5 litre white P.V.C. automatic flushing cistern complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	6.00 Numbers			Each	
9	Providing and fixing 15 mm (Fifteen millimetres) nominal bore C.P. brass bib cock of ISI marked or its equivalent conforming to IS:8931 complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	6.00 Numbers			Each	
<b>TOTAL:-</b>						

  
 Executive Engineer,  
 H.P.W.D., Division,  
 Tanda at Nagrota Bagwan

# Schedule of Quantity


ESTIMATED COST :- Rs. 475205.00  
EARNEST MONEY :- Rs. 9550.00  
TIME LIMIT : THREE MONTHS

**NAME OF WORK :-** Construction of link road from Jalot Hardeo Bachhun Lulehar Upperli Kotli road in Distt. Kangra (H.P.). **DEPOSIT WORK**  
**SUB HEAD :-** Construction of Retaining wall at RD 0/530 to 0/545 & C/O 900mm dia Hume Pipe culvert at RD 0/320

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Excavation work by mechanical means (Hydraulic excavator) manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	54.84 Cubic metres			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	70.05 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	48 Running metre			Per running metre	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	25.20 Cubic metres			Per cubic metre	
5	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	1.70 Cubic metres			Per cubic metre	
6	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 in 1:2.5:5 (One cement : Two and half sand : five graded) broken/crushed stone aggregate 20mm (Twenty millimeters) nominal size PCC grade M 15 (M-Fifteen), as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	13.98 Cubic metres			Per cubic metre	



7	Providing and laying cement concrete for cradle bedding for pipe grade M-15 (M-Fifteen) nominal mix 1:2.5:5 (One cement : Two and half sand : five graded crushed/broken stone aggregate 40mm (Forty millimetres) nominal size) in or under water and curing complete as per drawing and technical specification Clause 1303, including entire carriage of materials within all leads and lifts and other incidentals.	0.45 Cubic metres			Per cubic metre	
8	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, up to any lead and lift as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	4.15 Cubic metres			Per cubic metre	
9	Providing and laying non-pressure NP2 class R.C.C. hume pipes 900mm (Nine hundred millimetre) dia with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (One cement : Two fine sand) including testing of joints etc; complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	5.00 Running metre			Per running metre	
<b>TOTAL :-</b>						

  
 Executive Engineer,  
 H.P.P.W.D., Division,  
 Tanda at Nagrota Bagwan.

## SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 470895.00  
EARNEST MONEY : - Rs. 9500.00  
TIME LIMIT : THREE MONTHS

**NAME OF WORK :-** Restoration of rain damages on NH to village Ambkhola in Distt. Kangra (H.P.)  
**SUB-HEAD :-** Providing and laying Cement Concrete Pavement at RD 0/370 to 0/517.

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) <b>Grading-II</b> size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 including carriage of materials within all leads and lifts and other incidental.	46.80 Cubic metres			Per Cubic metres	
2	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	69.45 Cubic meters			Per cubic metre	
<b>TOTAL:-</b>						

Executive Engineer,  
H.P.W.D., Division,  
Tanda at Nagreta Bagwan



## SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 138112.00  
EARNEST MONEY : - Rs. 2800.00  
TIME LIMIT : THREE MONTHS

**NAME OF WORK :-** Restoration of rain damages on near Jagdish Chand house at village Lilly in Distt. Kangra (H.P.)  
**SUB-HEAD :-** Construction of Retaining wall at RD 0/000 to 0/010.

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto any lead and lift, dressing of sides and bottom and back filling in trenches with excavated suitable material complete as per drawing and H.P.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	21.30 Cubic metres			Per cubic metre	
2	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 1:5:10 (One cement: Five sand : Ten graded/crushed stone aggregate 40mm (forty millimeter) nominal size) as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	26.20 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	12.50 Running metres			Per Running metre	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	9.72 Cubic metres			Per cubic metre	
<b>TOTAL:-</b>						

Executive Engineer,  
H.P.W.D., Division,  
Tanda at Nagrota Bagwan

### Schedule of Quantity

ESTIMATED COST: - Rs. 499964.00  
EARNEST MONEY: - Rs. 10000.00  
TIME LIMIT : THREE MONTHS

**NAME OF WORK :-** Construction of link road from Danoa to Kharat Khas via Dard in Distt. Kangra (H.P.).  
**SUB HEAD :-** Removal of formation deficiencies at RD 0/800 to 0/900, improvement of road width by providing Retaining wall at RD 0/930 to 0/950, C/O road side parapets at various reaches and providing & laying cement concrete pavement road at RD 0/800 to 0/856

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Excavation in hilly area in all heights and depths and in all kind of soil by manual/mechanical means including saturated soil comprising of ordinary soil, soft rock, hard rock, chiseling, wedging out of rock (where blasting is prohibited) and their intermediate classification of soil, setting out true to the required lines, grades, cutting and trimming of side slopes and level as shown in the drawing and as directed by engineer-in-charge at site according to the MORD technical specification clause 302, 1603.1 and 1603.2 and sorting out useful materials and stacking the same in all leads and lifts in acquired width of road and transportation of un-useful material for filling in road ways, camber, embankments for grade improvements and disposal of all surplus material to required width of the road or on approved dumping sites through all modes of transportation including head load or animal transport or mechanical means along with its leveling, fine dressing and carriage of machineries, materials, tools, equipments and safety measures and incidentals necessary to complete the work by mechanical means and labour if required. Any loss to the public, private property during the course of execution shall be the absolute responsibility of the contractor, which shall have to be compensated by him in all cases.	300.00 Cubic meters			Per cubic metre	
2	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto any lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material complete as per drawing and H.P.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	29.19 Cubic meters			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and H.P.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	63.08 Cubic metres			Per cubic metre	



4	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	33.00	Running metres			Per running metre	
5	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	22.08	Cubic metres			Per cubic metre	
6	Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) Grading-II size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and canber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 including carriage of materials within all leads and lifts and other incidentals	13.23	Cubic metres			Per cubic metre	
7	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 20mm (Twenty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	26.46	Cubic metres			Per cubic metre	
8	Providing concrete for plain/reinforced concrete in substructure complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 in 1:2.5:5 (One cement : Two and half sand : five graded) broken/crushed stone aggregate 20mm (Twenty millimetres) nominal size PCC grade M-15 (M-Fifteen), as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	3.54	Cubic metres			Per cubic metre	
<b>TOTAL :-</b>							

Executive Engineer,  
H.P.W.D., Division,  
Tanda at Nagrota Bagwan.

# SCHEDULE OF QUANTITY

ESTIMATED COST: - ₹ 279025.00  
EARNEST MONEY: - ₹ 5600.00  
TIME LIMIT: THREE MONTHS

NAME OF WORK: - Special Repair to 500 Bedded Hospital at Dr. R.P. Govt. Medical College Tanda in Distt. Kangra (H.P.)

SUB-HEAD: - Providing and fixing aluminium work, prelaminated board and glass panes etc. in Blood Bank.

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	Providing and fixing anodised /colour coated aluminium work for door, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawl plugs and screws or with fixing clips, or with expansion bolt fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, mited and jointed mechanically where ever required including cleest angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws for doors windows and ventilators and glazed partitions frames. All complete as per architectural drawings and as directed by the Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	378.60			Per kilo-gram	
2	Providing and fixing anodised / colour coated aluminium work for door, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, mited and jointed mechanically where ever required including cleest angle, aluminium, snap beading for glazing/panelling C.P. brass/stainless steel screws for shutters of doors windows & ventilators including providing and fixing hinges/pivots and making provisions for fixing of fittings where ever required including the cost of PVC/neoprene gaskets as required (fittings and glazing/panelling shall be paid for separately) all complete as per architectural drawings and as directed by the Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	7.00			Per kilo-gram	
3	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item). With float glass panes of 5.5 mm (Fiv epoint five millimetre) thickness (weight not less than 12.50 kg/ sqm) complete as directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	13.07			Per square metre	
4	Providing and fixing anodized aluminium sliding door bolts anodized transparent or dyed to required colour and shade with necessary screws etc. completed including entire carriage of materials within all leads, lifts and other incidentals	10			Each	
ii)	250x10 mm(Two hundred fifty into ten millimetres) nominal size	16			Each	
5	Providing and fixing 300x10mm (Three hundred into ten millimetres) aluminium tower bolts (barrel type) anodized transparent or dyed to required shade and colour with screws etc. complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	2.00			Each	
i	200x10mm mm size (Two hundred into ten millimetres)nominal size	2.00			Each	
ii	250x10mm mm size (two hundred fifty into ten millimetres)nominal size	2.00			Each	



6	Providing and fixing aluminium handles anodized transparent or dyed to required colour & shade with necessary screws etc. complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.				
	i) 125mm (One hundred twenty five millimetres)	2		Each	
	ii) 100mm (One hundred millimetres)	Numbers 2		Each	
7	Providing and fixing 100mm (One hundred millimetres) bright finished brass floor door stopper with rubber cushion screws etc. to suit shutter thickness complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	3.00 Numbers		Each	
8	Providing and fixing 150 mm (One hundred fifty M.S. double acting spring hinges bright finished with necessary screws etc. complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	2.00 Numbers		Each	
9	Providing and fixing 12mm (Twelve millimetres) thick pre-laminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in paneling fixed in aluminium doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	20.04 Square metres		Per square metre	
10	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 (Seven point five) in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand) complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	12.50 Square metres		Per square metre	
11	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand) : 4 graded stone aggregate 20 mm (Twenty millimetres) nominal size) complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	1.06 Cubic metre		Per cubic meters	
12	15 mm (Fifteen millimetres) cement plaster on rough side of single or half brick wall finished with a floating coat of neat cement of mix : 1:4 (1 cement: 4 fine sand) complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	26.10 Square metres		Per square metre	
13	Providing and laying 15 to 20mm (Fifteen to Twenty millimeters) thick granite stone in flooring 20mm (Twenty millimeters) (average) thickness base of cement mortar 1:3 (One cement : Three sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone including rubbing, polishing and moulding in single or double layer complete as per direction Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	2.40 Square metres		Per square meter	
TOTAL :-					

Executive Engineer  
HP PWD Division  
Tanda N/Bagwan.

# Schedule of Quantity

ESTIMATED COST: - Rs. 499946.00  
EARNEST MONEY: - Rs. 10000.00  
TIME LIMIT: - THREE MONTHS

NAME OF: Construction of Assistant Engineer Office at HP.PWD, Sub-Division Baroh under Division Tanda at Nagrota Bhagwan in Distt. Kangra (H.P.)  
SUB HEAD:- Balance civil work including water supply and sanitary installation etc;

S. Num ber	Description of Items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Brick work using Second class common burnt clay buildings bricks in super-structure above plinth level upto all floor level in cement mortar 1:6 (one cement isto six sand) and curing complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	3 2.39 Cubic metres	4	5	6 Per cubic metre	7
2	Providing and laying Antiskid Ceramic floor tiles of size 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS: 15622 of approved make in colours such as White, Ivory, Grey, Flame Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/Square metres including pointing the joints with white cement and matching pigment etc., complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	28.02 Square metres			Per square metre	
3	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (One cement : Four coarse sand, jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc., complete as directed by the Engineer-in-Charge including carriage of materials within all leads and lifts and other incidentals.	18.20 Square metres			Per square metre	
4	Providing and laying Polished Granite stone flooring in required design and patterns, in linear as well as curvilinear portions of the building all complete as per the architectural drawings with 18 mm thick stone slab over 20 mm (average) thick base of cement mortar 1:4 (1 cement : 4 coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing, polishing and moulding etc; in single/double layer etc; all complete as specified and as directed by the Engineer-in-Charge. Polished Granite stone slab jet Black, Cherry Red, Elite Brown, Cat Eye complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	1.80 Square metres			Per square metre	
5	Providing and fixing colour coated /anodised aluminium work for door (External door NO 14081 Size 127 x 44.45 x 3.19mm), window, ventilators and partitions frame with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with raw/plugs and screws or with fixing clips, or with expansion hold fastners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth rustfree, straight, mitted and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/paneling C.P. brass/stainless steel screws. All complete as per architectural drawings and the directions of Engineer-in-Charge. For doors windows, ventilators and glazed partitions frames, for shutters of doors windows & ventilators including providing and fixing hinges/pivots and making provisions for fixing of fittings where ever required including the cost of PVC/neoprene gaskets as required (fittings and glazing/paneling shall be paid for separately) complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	82.75 Kilo grams			Per Kilo gram	



6	Providing and fixing colour coated /anodised aluminium work for door , window, ventilators and partitions shutter with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawplugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth rustfree, straight, mitered and jointed mechanically where ever required including cleast angle, aluminium, snap heading for glazing/paneling C.P. brass/stainless steel screws. All complete as per architectural drawings and the directions of Engineer-in-Charge. For doors windows, ventilators and glazed partitions frames For shutters of doors windows & ventilators including providing and fixing hinges/pivots and making provisions for fixing of fittings/where ever required including the cost of PVC/neoprene gaskets as required (fittings and glazing/paneling shall be paid for separately) complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	121.38	Kilo grams	Per Kilo gram	
7	P/F 12mm thick Prelaminated board bwp phenol bonded exterior/interior grade both sides of Greenlam of approved shade, board partitions with butt jointing and nails (frame work and cover fittings to be measured and paid for separately)complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	16.20	Square metres	Per square metre	
8	Providing and fixing glazing with glass panes of 4.0 thick glass panes (weight not less than 10 kg per Square metres)complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	11.88	Square metres	Per square metre	
9	Providing and fixing fly proof galvanized M.S. wire gauge to windows and clerestory windows using wire gauge with average width of aperture 1.4 mm in both directions with wire of dia 0.63 mm all complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	11.88	Square metres	Per square metre	
10	Providing and fixing aluminium sliding door bolts, ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868), transparent or dyed to required colour or shade, with nuts and screws etc. complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	1	Numbers	Each	
i)	300x16mm size	1	Numbers	Each	
ii)	250x16mm size	1	Numbers	Each	
11	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868 ) transparent or dyed to required colour or shade, with necessary screws etc. complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.				
i)	200x10mm size	4	Numbers	Each	
ii)	150x10mm size	16	Numbers	Each	

12	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.					
	i) 125 mm size	4 Numbers		Each		
	ii) 100 mm size	16 Numbers		Each		
13	Providing and fixing aluminium hanging floor door stopper, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	1 Numbers		Each		
14	Providing and fixing oxidized 200mm size hooks and eyes complete in all respect as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	2 Numbers		Each		
15	Providing and fixing aluminium grills of required pattern in frames of windows etc. complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	118.80 Kilo grams		Per kilo gram		
16	Providing semi round moulding to 18 mm thick granite stone on top of dado, counters, Vanities etc., including machine polishing to edge to give high gloss finish etc. complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	35.00 Running metres		Per Running metre		
17	Steel work welded in built up sections in gratings, frames, guard bar, ladder, railings, brackets, gates and similar works complete and applying a coat of approved steel primer after pretreatment of the surface complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	157.50 Kilo grams		Per kilo gram		
18	Providing and applying white cement based putty of Brite / JK average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	306.00 Square metres		Per square metre		
19	Finishing walls with fine dune textured exterior paint of required shade at New work (Two or more coats applied @ for external plaster are for height upto 3.28 hr/10 Square metres) over and including priming coat of exterior primer applied @ 2.20kg/10 Square metres, all complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	306.00 Square metres		Per square metre		
20	Providing and fixing Stainless steel Curtain rods with brackets etc. complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	20.00 Running metres		Per Running metres		
21	Providing and fixing blinds for windows etc. complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	26.40 Square metres		Per square metre		



30	Providing and fixing PVC collors, ISI marked including fixing with approved adhesive etc. complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.					
i) 110mm dia		4 Numbers		Each		
ii) 75mm dia		4 Numbers		Each		
31	Providing and fixing white vitreous china pedestal type wall hang water closet (European type W.C pan) with seat and lid, with all fittings and fixtures complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	1 Number		Each		
32	Providing and fixing P.V.C. low level flushing cistern 10 litre capacity - White with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	1 Number		Each		
33	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to European type W.C. of quality and make complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	1 Number		Each		
34	Providing and fixing Stainless Steel A ISI 304 (18/8) Kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required 610x510 mm bowl depth 200 complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	2 Numbers.		Each		
35	Providing and fixing 15mm nominal bore PVC connection pipe with brass union 45cm length complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	1 Number		Each		
36	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require. White Vitreous China Flat back wash basin size 550x 400 mm with single 15 mm C.P. brass pillar tap complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	1 Number		Each		
37	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	1 Number		Each		
38	Providing and fixing chromium plated (Heavy duty makes ISI marked is Number 8931 & 8934) brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	2 Numbers.		Each		
39	Providing and fixing 15mm diameters C.P. brass (Heavy duty makes ISI marked is Number 8931 & 8934) bib tap with capstan head complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	1 Number		Each		

40	Providing and fixing 15mm diameters brass angle valve without nuts complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	2 Numbers.			Each	
41	Providing and fixing G.I. pipes complete with G.I. Fittings and clamps i/c cutting and making good the walls etc. complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	6.00 Running metres			Per running metre	
i)	20mm nominal bore/ dia	6.00 Running metres			Per running metre	
ii)	15mm nominal bore/ dia	6.00 Running metres			Per running metre	
42	Providing and fixing 32mm nominal size diameters rubber plug for wash basin (Heavy duty makes ISI marked is Number 8931 7893) complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	2 Numbers.			Each	
43	Providing and fixing 32mm diameters M.I. union for wash basin or sink complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	2 Numbers.			Each	
44	Providing and fixing 32mm diameters P.V.C. waste pipe for wash basin or sink including brass check nut complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	2 Numbers.			Each	
45	Providing and fixing 100mm diameters C.I. grating (Heavy duty makes ISI marked is Number 8931 & 8934) for gully floor or Nahni trap complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	1 Number			Each	
46	Providing and fixing Door floor spring machine complete in door shutters etc. complete as per approved drawing, design and specifications and as per directions and entire satisfaction of the Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	2 Numbers.			Each	
TOTAL :-						

Executive Engineer,  
H.P.W.D., Division,  
Tanda at Nagpota Bagawan.



# Schedule of Quantity

ESTIMATED COST: -Rs. 499942.00  
EARNEST MONEY : -Rs. 10000.00  
TIME LIMIT :- ONE MONTH

NAME OF WORK:- Restoration of rain damages on various roads under Baroh Sub-Division, H.P.P.W.D., Baroh in Distt Kangra (H.P.).  
SUB HEAD:- Repair of pot holes by providing patch work (Ruth Section).

Sr. No.	Description	Quantity	Rate		Unit	Amount
			In fig.	in words		
1	Maintenance of WBM road including filling up of pot holes, ruts and rectifying corrugated surface, damaged edges and raveling as per technical specification Clause 1906 as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts and other incidental.	33.47 Square meters			Per square metre	
2	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20 mm thick pre-mix carpet and seal coat type B specification Clause 1904.2 as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts and other incidental.	1620.80 Square meters			Per square metre	
TOTAL:-						

Executive Engineer,  
H.P.P.W.D Division,  
Tanda at Nagaria Bagwan.



# Schedule of Quantity

ESTIMATED COST :- Rs. 439414.00  
 EARNEST MONEY :- Rs. 8800.00  
 TIME LIMIT : THREE MONTHS

**NAME OF WORK :-** Restoration of rain damages on link road Barialkar to Sanani Km 0/000 to 2/475 in Dist. Kangra (H.P.).  
**SUB HEAD :-** Construction of Retaining wall at RD 0/303 to 0/315

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto any lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	3 18.15 Cubic meters	4	5	6 Per cubic metre	7
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	110.15 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	58.15 Running metres			Per running metre	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	18.18 Cubic metres			Per cubic metre	
<b>TOTAL :-</b>						

Executive Engineer,  
 H.P.E.W.D., Division,  
 Tanda at Nagrota Bagwan.



## SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 336709.00  
EARNEST MONEY: - Rs. 6800.00  
TIME LIMIT : THREE MONTHS

**NAME OF WORK :-** Restoration of Rain damages on Nagrota Baldhar Dhaloon road Km 0/000 to 9/500 in Distt. Kangra (H.P.)  
**SUB-HEAD :-** Construction of Retaining wall at RD 1/795 to 1/801, 1/801 to 1/808.60 & 1/825 to 1/850.

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto any lead and lift, dressing of sides and bottom and back filling in trenches with excavated suitable material complete as per drawing and H.P.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	25.91 Cubic meters			Per cubic metre	
2	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 1:5:10 (One cement: Five sand : Ten graded/crushed stone aggregate 40mm (forty millimeter) nominal size) as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	83.57 Cubic meters			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	38.15 Running metres			Per running metre	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	13.44 Cubic metres			Per cubic metre	
<b>TOTAL:-</b>						

Executive Engineer,  
H.P.P.W.D., Division,  
Tanda at Nagrota Bagwan



## SCHEDULE OF QUANTITY

**NAME OF WORK :-** Construction of 25.00 mtr. Span Foot Bridge to connect village Ocha in Distt. Kangra (H.P.)

**SUB-HEAD :-** Construction of Ocha side approaches.

ESTIMATED COST: - Rs. 499996.00  
EARNEST MONEY :- Rs. 10000.00  
TIME LIMIT : THREE MONTHS

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 1:5:10 (One cement: Five sand : Ten graded/crushed stone aggregate 40mm (forty millimeter) nominal size) as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	120.62 Cubic meters			Per cubic metre	
2	Excavation in earth work in all classification of soil for filling in for marshy soil, for the purpose of making embankments, back filling in foundation trances and pipe culverts etcetera as per technical specification Clauses 305.3.9 filling shall be done with approved material in layers not exceeding 150mm (One hundred fifty millimeters) compacted thickness. The compaction shall be done with suitable equipment approved by the Engineer-in-Charge after necessary watering so as to achieve the required density as directed by the Engineer-in-Charge including entire carriage of materials within all leads, lifts and other incidentals.	290.66 Cubic meters			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	88.18 Running metres			Per running metre	
<b>TOTAL:-</b>						

Executive Engineer,  
H.P.W.D., Division,  
Tanda at Nagrota Bagwan



## SCHEDULE OF QUANTITY

**NAME OF WORK :-** Construction of 25.00 mtr. Span Foot Bridge to connect village Ocha in Distt. Kangra (H.P.)

**SUB-HEAD :-** Construction of Sakra Basti side approaches.

ESTIMATED COST :- Rs. 499940.00  
EARNEST MONEY :- Rs. 10000.00  
TIME LIMIT : THREE MONTHS

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 1:5:10 (One cement: Five sand : Ten graded/crushed stone aggregate 40mm (forty millimeter) nominal size) as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	121.05 Cubic meters			Per cubic metre	
2	Excavation in earth work in all classification of soil for filling in for marshy soil, for the purpose of making embankments, back filling in foundation trances and pipe culverts etcetera as per technical specification Clauses 305.3.9 filling shall be done with approved material in layers not exceeding 150mm (One hundred fifty millimeters) compacted thickness. The compaction shall be done with suitable equipment approved by the Engineer-in-Charge after necessary watering so as to achieve the required density as directed by the Engineer-in-Charge including entire carriage of materials within all leads, lifts and other incidentals.	289.90 Cubic meters			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	78.15 Running metres			Per running metre	
<b>TOTAL:-</b>						

Executive Engineer,  
H.P.W.D., Division,  
Tanda at Nagrota Bagwan



## SCHEDULE OF QUANTITY

ESTIMATED COST: - Rs. 480745.00

EARNEST MONEY: - Rs. 2800.00

TIME LIMIT : THREE MONTHS

**NAME OF WORK :-** Construction of link road from Ramehar to Tangroti in G.P. Ramehar Km 0/000 to 2/500 in Dist. Kangra (H.P.)

**SUB-HEAD :-** Construction of Retaining wall at various RD's in between Km 0/000 to 2/000.

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto any lead and lift, dressing of sides and bottom and back filling in trenches with excavated suitable material complete as per drawing and H.P.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	80.10 Cubic metres			Per cubic metre	
2	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 1:5:10 (One cement: Five sand : Ten graded/crushed stone aggregate 40mm (forty millimeter) nominal size) including shuttering as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	88.85 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	63.00 Running metre			Per running metre	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	42.30 Cubic metres			Per cubic metre	
<b>TOTAL:-</b>						

Executive Engineer,  
H.P.P.W.D., Division,  
Tanda at Nagla Bagwan



## SCHEDULE OF QUANTITY

**NAME OF WORK :-** Construction of link road to village Bhadrehar in Distt. Kangra (H.P.)  
**SUB-HEAD :-** Providing and laying Cement Concrete Pavement at RD 0/000 to 0/170.

ESTIMATED COST :- Rs. 493425.00  
 EARNEST MONEY :- Rs. 9900.00  
 TIME LIMIT : THREE MONTHS

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) <b>Grading-II</b> size 175mm (seventy five millimeters) compacted thickness to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 including carriage of materials within all leads and lifts and other incidental.	38.25			Per Cubic metres	
2	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	76.50			Per cubic metre	
<b>TOTAL:-</b>						

Executive Engineer,  
 H.P.P.W.D., Division,  
 Tanda at Nagrota Bagwan

## SCHEDULE OF QUANTITY


**NAME OF WORK :-** Restoration of rain damages on link road Dola to Bhorna in Distt. Kangra (H.P.) (Deposit Work)  
**SUB-HEAD :-** Construction 2.00 mtr. Span RCC slab culvert at RD 0/640

ESTIMATED COST :- Rs. 418724.00  
 EARNEST MONEY :- Rs. 8400.00  
 TIME LIMIT : THREE MONTHS

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto any lead and lift, dressing of sides and bottom and back filling in trenches with excavated suitable material complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	37.89 Cubic meters			Per cubic metre	
2	Providing and laying concrete for plain/reinforced concrete 1:3:6 (One cement: three sand: Six graded broken/crushed stone aggregate 40mm (Forty millimeters) nominal size in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 and 1203 PCC grade M-10 (M-ten) including entire carriage of materials within all leads and other incidentals.	3.81 Cubic meters			Per cubic metre	
3	Providing and laying Plain/reinforced cement concrete PCC Grade M-15(Fifteen) 1:2.5:5 ( one cement : two point five sand : five graded crushed stone aggregate 20mm (twenty millimetre) nominal size in substructure and curing complete as per drawings and technical specification Clauses 802, 804, 805, 806, 807, 1202 and 1204 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	62.20 Cubic metres			Per cubic metre	
4	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	0.90 Cubic meters			Per cubic metre	



5	Providing and laying mechanically mixed and vibrated Reinforced Cement Concrete in super-structure for all type of structure using cement concrete grade M-25 (M-Twenty five) 1:1.5:3 (one cement : one point five sand : three graded crushed stone aggregate) designed mix with cement contents not less than 400 Kgs (Four hundred kilograms) per cubic metre with 20mm (Twenty millimetres) nominal size graded crushed stone aggregate as per drawing and M.O.R.D. technical specification for Rural Roads Clause 800, 1205.4 and 1205.5 including the cost of form work and curing complete but excluding the cost of reinforcement for reinforced concrete work in deck slab and including carriage of materials within all leads, lifts and other incidentals as per the entire satisfaction and direction of Engineer-in-Charge.	3.90 Cubic meters				Per cubic metre	
6	Providing and laying rubble stone flooring laid in cement mortar 1:3 (One cement : three sand) over cement concrete bedding complete as per drawing and M.O.R.D. technical specifications as per Rural Roads Clause 1303 on rubble stone laid in cement mortar 1:3 (One cement : three sand) including carriage of materials within all leads, lifts and other incidental and as per the entire satisfaction and directions of Engineer-in-Charge.	2.10 Cubic metres				Per cubic metre	
7	Supplying fitting and placing HYSB bar reinforcement (Fe 415) in sub-structure complete as per drawing and M.O.R.D. technical specifications Clause 1002, 1010 and 1202 including cutting, bending, binding, straightening and placing in position complete in all respect including cost of binding wire upto any height and as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts and other incidental.	549.00 Kilogramme				Per Kilogramme	
<b>TOTAL:-</b>							

  
 Executive Engineer,  
 H.P.W.D., Division,  
 Tanda at Nagrota Bagwan


**Schedule of Quantity**

ESTIMATED COST :- ₹ 249975.00  
 EARNEST MONEY :- ₹ 5000.00  
 TIME LIMIT :- ONE MONTH

**NAME OF WORK :-** Restoration of rain damages on various roads under Baroh Sub-Division, HPPWD Baroh in Distt. Kangra (H.P.)

**SUB HEAD :-** *Hiring of JCB Hydraulic Excavator-cum-loader for removal of land slide slips (Radh Section)*

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In Words		
1	1	3	4	5	6	7
	Hiring of hydraulic excavator with front end loader and 1.00 cum (One cubic metre) bucket capacity for formation cutting embankment/ removal of land slide slips in hilly area including cost of fuel, oil lubricants and wages of operating staff, any repair/breakage during operation will be carried out by the contractor/owner at his own risk. Shifting machinery from one place to other place will be absolute responsibility of the contractor only. Actual working hour will be accounted for the payment, earth cutting/removal of land slide slips in all kind of soil including loading in tipper/truck and disposal of all excavated earth as per H.P.P.W.D. technical specifications, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	275.00 Hours			Per Hour	
<b>Total :-</b>						

  
 Executive Engineer,  
 H.P.P.W.D., Division,  
 Tanda at Nagrota Bagwan.



## SCHEDULE OF QUANTITY

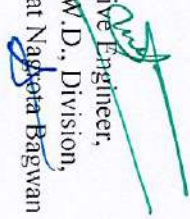
ESTIMATED COST :- Rs. 499975.00  
EARNEST MONEY :- Rs. 10000.00  
TIME LIMIT : THREE MONTHS

NAME OF WORK :- Jeepable road (Hony Cap) Late Sh. Madho Ram Shorya Chakkar VPO Upparli Kothi Tehsil Nagrota Bagwan in Distt. Kangra (H.P.)

SUB-HEAD :- Construction of Edge wall at RD 0/010 to 0/025, 0/052 to 0/062, 0/080 to 0/095.

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Earthwork in excavation for structures as per drawing and technical specifications Clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto any lead and lift, dressing of sides and bottom and back filling in trenches with excavated suitable material complete as per drawing and H.P.W.D technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	35.28 Cubic meters			Per cubic metre	
2	Providing and laying concrete for plain/reinforced concrete 1:3:6 (One cement: three sand: Six graded broken/crushed stone aggregate 20mm(Twenty millimeters) nominal size in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 and 1203 PCC grade M-10 (M-ten) including entire carriage of materials within all leads and lifts and other incidentals.	49.57 Cubic meters	—		Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	37.00 Running metres			Per running metre	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	27.60 Cubic metres			Per cubic metre	

5	Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) <b>Grading-II</b> size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 including carriage of materials within all leads and lifts and other incidental.	28.00 Cubic metres				Per Cubic metres	
6	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of materials within all leads and lifts and other incidentals.	41.25 Cubic metres				Per cubic metre	
<b>TOTAL: -</b>							

  
 Executive Engineer,  
 H.P.P.W.D., Division,  
 Tanda at Nagpet Bagwan




**Schedule of Quantity**

ESTIMATED COST :- ₹ 249975.00  
 EARNEST MONEY :- ₹ 5000.00  
 TIME LIMIT :- ONE MONTH

**NAME OF WORK :-** Restoration of rain damages on various roads under Baroh Sub-Division, HPPWD Baroh in Dist. Kangra (H.P.)

**SUB HEAD :-** **Hiring of JCB Hydraulic Excavator-cum-loader for removal of land slide slips (Kamti & Sunhi Section)**

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In Words		
1		3	4	5	6	7
1	Hiring of hydraulic excavator with front end loader and 1.00 cum (One cubic metre) bucket capacity for formation cutting embankment/ removal of land slide slips in hilly area including cost of fuel, oil lubricants and wages of operating staff, any repair/breakage during operation will be carried out by the contractor/owner at his own risk. Shifting machinery from one place to other place will be absolute responsibility of the contractor only. Actual working hour will be accounted for the payment, earth cutting/removal of land slide slips in all kind of soil including loading in tipper/truck and disposal of all excavated earth as per H.P.P.W.D. technical specifications, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	Hours			Per Hour	
		275.00				
<b>Total :-</b>						

  
 Executive Engineer,  
 H.P.P.W.D., Division,  
 Tanda at Nagroa Bagwan.

# Schedule of Quantity

ESTIMATED COST :- Rs. 220292.00  
EARNEST MONEY :- Rs. 4450.00  
TIME LIMIT : THREE MONTHS

NAME OF WORK :- Restoration of rain damages on link road Nihargali Bhatli to Village Barana Km 0/000 to 4/600 in Dist. Kangra (H.P.).  
SUB HEAD :- Construction of Retaining wall at RD 4/015 to 4/030 (Length 15.00 mtrs Ht. 2.44).

S. No.	Description of Items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ranning of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	17.91 Cubic meters	4	5	Per cubic metre	7
2	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 with cement concrete 1:5:10 (One cement: Five sand : Ten graded crushed stone aggregate 40mm (forty millimeter) nominal size) complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	42.45 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	14 Numbers			Each	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material complete as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	14.58 Cubic metres			Per cubic metre	
TOTAL :-						

Executive Engineer,  
H.P.W.D., Division,  
Tanda at Nagro Bagwan.



### Schedule of Quantity

ESTIMATED COST :- Rs. 261310.00  
EARNEST MONEY :- Rs. 5250.00  
TIME LIMIT : THREE MONTHS

**NAME OF WORK :-** Restoration of rain damages on Chughera Kandi road Km 0/000 to 20/000 in Dist. Kangra (H.P.)  
**SUB HEAD :-** Protection work to existing R.C.C. slab culvert by providing retaining wall at RD 8/885 to 8/892

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	3 18.48 Cubic metres	4	5	6 Per cubic metre	7
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	65.57 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	18.15 Running metres			Per running metre	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	11.51 Cubic metres			Per cubic metre	
<b>TOTAL :-</b>						

Executive Engineer,  
H.P.P.W.D., Division,  
Tanda at Nagroa Bagwan.



# Schedule of Quantity

ESTIMATED COST: - Rs. 499808.00  
EARNEST MONEY: - Rs. 10000.00  
TIME LIMIT : THREE MONTHS

NAME OF WORK :- Construction of link road Rajiana to Surani via Churan in Distt. Kangra (H.P.)

SUB HEAD :- Construction of U-Shape drain with edge wall at RD 3/720 to 3/973

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Excavation work by mechanical means (Hydraulic excavator) manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	147.12 Cubic meters	4	5	6 Per cubic metre	7
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	107.82 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	25.44 Running metres.			Per running metre	
TOTAL :-						

Executive Engineer,  
H.P.P.W.D., Division,  
Tanda at Nagaria Bagwan.



# Schedule of Quantity

ESTIMATED COST: - Rs. 204099.00  
EARNEST MONEY: - Rs. 4100.00  
TIME LIMIT : THREE MONTHS

NAME OF WORK :- Restoration of rain damages on Chughera Kandi road Km 0/000 to 20/000 in Dist. Kangra (H.P.)  
SUB HEAD :- Construction of Raining wall at RD 5/240 to 5/250

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Excavation work by mechanical means (Hydraulic excavatory/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	19.20 Cubic meters			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	47.54 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	24.00 Running metres			Per running metre	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	24.00 Cubic metres			Per cubic metre	
TOTAL :-						

Executive Engineer,  
H.P.P.W.D. Division,  
Landa at Nagyola-Bagwan.

### Schedule of Quantity

ESTIMATED COST :- Rs. 498559.00  
EARNEST MONEY :- Rs. 10000.00  
TIME LIMIT : THREE MONTHS

**NAME OF WORK :-** Construction of link road Rajiana to Surani via Churan in Distt. Kangra (H.P.)

**SUB HEAD :-** Construction of vented causeway with approaches at RD 3/700, Providing and laying cement concrete pavement road at RD 3/700 to 3/758

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	35.33 Cubic meters	4	5	6 Per cubic metre	7
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	9.18 Cubic metres			Per cubic metre	
3	Providing concrete for plain/reinforced concrete in substructure complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 in 1:2.5:5 (One cement : Two and half sand : five graded) broken/crushed stone aggregate 20mm (Twenty millimeters) nominal size PCC grade M-15 (M-Fifteen), as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals.	12.25 Cubic metres			Per cubic metre	
4	Providing and laying non-pressure NP2 class R.C.C. hune pipes 900mm (Nine hundred millimetre) dia with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (One cement : Two fine sand) including testing of joints etc; complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	10.00 Running metre			Per running metre	
5	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	40.17 Cubic metres			Per cubic metre	



6	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	14.16 Running metres			Per running metre	
7	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	19.15 Cubic metres			Per cubic metre	
8	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 complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	13.84 Cubic metres			Per cubic metre	
9	Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) Grading-II size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimeters) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 and as per drawing and HP.PWD technical specifications, as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	13.70 Cubic metres			Per cubic metre	
10	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 40mm (Forty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	27.41 Cubic metres			Per cubic metre	
<b>TOTAL :-</b>						

Executive Engineer,  
H.P.P.W.D., Division,  
Tanda at Nagkota Bagwan.