

Himachal Pradesh
Public Works Department

No:-PW/SRDD-CB-CTR-NIT/2022- 17725

Dated:- 27/9/2022

To

✓ The Executive Engineer (IT Cell)
H.P.P.W.D. Nigam Vihar Shimla-2.

Subject:-

**Notice Inviting Tender for uploading the same on
departmental website.**

Enclosed please find herewith Notice Inviting Tender (NIT)
of various works in respect of this office for uploading the same on departmental
website.

Encl:-Copy of NIT

Executive Engineer
Shimla Rural Division
HPPWD Dhami.

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT
NOTICE INVITING TENDER**

Sealed item rate tenders on PWD Form 6 & 8 are hereby invited by the Executive Engineer Shimla Rural Division H.P.P.W.D. Dharni on behalf of Governor of Himachal Pradesh for the followings works from the eligible contractors enlisted in H.P.P.W.D. (B&R) whose registration stood renewed as per revised rules and also registered under the H.P. General Sales Tax Act 1968 so as to reach in this office on before **10-10-2022 up to 11:00 AM** and the same shall be opened on the same day at **11:30 AM** in the presence of intending contractors or their authorized representative who may like to be present. The Tenders documents can be had from this office against cash payment (Non-refundable) on **7-10-2022 up to 4:00 PM** and the application for issue of tender form shall be received on **6-10-2022 up to 4:00 PM**.

The amount of earnest money in the shape of NSCs/FDR deposit at call of any of the Post office/Bank duly pledged in favour of Executive Engineer Shimla Rural Division HPPWD Dharni must be accompanied with the application for tender documents. Please note no exemption order of earnest money will be entertained. Conditional tenders and the tenders received without earnest money as mentioned above will similarly be rejected. The offer of the tenders shall be kept open for 75 days. The Executive Engineer reserve right to reject any tender of all tenders without assigning any reasons. If it happens to be a holiday on the day of opening of tenders the same will be opened on next working day at the same time and venue.

Sr. No.	Name of Work	Estimated Cost	Earnest Money	Time	Cost of Form
1	R/R damages on Garkahan to Barity road Km. 0/00 to 8/00 (SH:- C/O B/wall at RD. 2/900 to 2/930 & 3/360 to 3/380)	Rs. 4,67,594/-	Rs. 9400/-	One Month	Rs. 350/-
2	C/O Petrol Pump to Kawali road via Jamlog in Km. 0/00 to 1/870 (SH:- C/O B/wall at R.D. 0/480 to 0/533)	Rs. 4,95,204/-	Rs. 10,000/-	One Month	Rs. 350/-
3	R/R damages on Banuti Pahar road Km. 0/00 to 20/700 (SH:- C/O R/wall at Rd. 0/760 to 0/780)	Rs. 2,69,113/-	Rs. 5,400/-	One Month	Rs. 350/-
4	Construction of National Law University at Ghandal (SH:- P/L putty, finishing wall and painting thereof) Job No. 2	Rs. 4,16,590/-	Rs. 8,400/-	Two Month	Rs. 350/-
5	Construction of National Law University at Ghandal (SH:- Dismantling tiled, plastering and painting thereof) Job No. 1	RS. 4,26,677/-	Rs. 8,600/-	Two Month	Rs. 350/-
6	Construction of Judicial Academy at Ghandal (SH:- P/F steel work, Ceilimg, poly carbonate sheet, roofs in ramp etc.)	RS. 4,94,160/-	Rs. 10,000/-	One Month	Rs. 350/-
7	Construction of Judicial Academy at Ghandal (SH:- P/F granite stone, repair of leakage, painting wall primer, gutter repair, skirting of tiles etc.)	RS. 4,62,661/-	Rs. 9,000/-	One Month	Rs. 350/-
8	Construction of Judicial Academy at Ghandal (SH:- C/O R/wall at open Air Theatre) RD. 0/00 to 4/00) Job No.5	RS. 4,60,901/-	Rs. 9,300/-	One Month	Rs. 350/-
9	Construction of Judicial Academy at Ghandal (SH:- C/O R/wall at open Air Theatre) RD. 0/00 to 4/00) Job No.6	Rs. 4,60,901/-	Rs. 9,300/-	Two Months	Rs. 350/-
10	Construction of Judicial Academy at Ghandal (SH:- C/O R/wall at open Air Theatre) RD. 0/00 to 4/00) Job No.3	Rs. 4,99,384/-	Rs. 10,000/-	One Month	Rs. 350/-
11	C/o Karyali to Shara Nallah road km 0/00 to 5/00 (SH:- Providing and loaying G-I Preparation of sub grade, Consolidation of sub grade in km 1/500	Rs. 4,99,723/-	10000/-	One Month	Rs. 350/-

	to 2/250				
12	C/o of Thachi Rehana road km 0/00 to 2/645 (SH:- C/o R/wall at RD 1/260 to 1/283)	Rs. 491772/-	10000/-	One Month	Rs. 350/-
13	Improvement of curves and providing and fixing Railing and parapet on Khel Ka Chaura to Baggi road km 0/00 to 12/225 (SH:- Providing & Fixing W- Metal Beam crash Beam crash Barrier at various RDs) Job No. -4	Rs. 481712/-	10000/-	One Month	Rs. 350/-
14	A/R & M/O various road under Thailla section (SH:- V- Shape drain link road to Village Khatnol km 0/00 to 10/00) .	Rs. 496401/-	10000/-	One Month	Rs. 350/-
15	A/R & M/O various road under Thailla section (SH:-C/o V- Shape drain link road to Village Khatnol km 0/00 to 10/00 & link road to village Garkhan km 0/00 to 3/00)	488882/-	10000/-	One Month	Rs. 350/-
16	Improvement of black spot on Galog Nehra Okhroo road km 0/00 to 12/00 (SH:- Improvement of narrow curves in km 1/180 to 1/270).	Rs. 499908/-	10000/-	One Month	Rs. 350/-
17	C/o Karyali to Shara Nallah road km 0/00 to 5/00 (SH:- Providing and laying G-I Preparation of sub grade, Consolidation of sub grade in km 3/00 to 3/750).	Rs. 499723/-	10000/-	One Month	Rs. 350/-
18	C/o Karyali to Shara Nallah road km 0/00 to 5/00 (SH:- Providing and laying G-I Preparation of sub grade, Consolidation of sub grade in km 3/750 to 4/500).	Rs. 499723/-	10000/-	One Month	Rs. 350/-
19	C/o Karyali to Shara Nallah road km 0/00 to 5/00 (SH:- Providing and laying G-I Preparation of sub grade, Consolidation of sub grade in km 2/250 to 3/00)	Rs. 499723/-	10000/-	One Month	Rs. 350/-
20	Improvement of black spot on Galog Nehra Okhroo road km 0/00 to 12/00 (SH:- Improvement of narrow curves in km 0/420 to 0/510)	Rs. 499908/-	10000/-	One Month	Rs. 350/-
21	A/R & M/O to Galog Nehra Okhroo road km 0/0 to 12/00 (SH:- C/o R/wall at RDS 5/730 to 5/735)	Rs. 495266/-	10000/-	One Month	Rs. 350/-
22	A/R & M/O on Baldian Dharimpur road km 10/00 to 16/500 (SH:-C/o R/wall at RD 16/130 to 16/140 16/140 to 16/150 & Edge wall at RD 16/150 to 16/174)	Rs. 463261/-	9300/-	One Month	Rs. 350/-
23	Improvement of curves and providing and fixing Railing and parapet on AKhel Ka Chaura to Baggi road km 0/00 to 12/225 (SH:-Providing & Fixing W-Metal Beam Crash Barrier at Various RDs). Job No. - 3	Rs. 481712/-	10000/-	One Month	Rs. 350/-
24	Improvement of curves on Nehra Bukho road km 0/00 to 8/00(SH:- Providing and fixing railing W-metal crash beam barrier at various RDs)Job No. -2	Rs. 497453/-	9800/-	Two Month	Rs. 350/-
25	C/o link road Chebri to Chowki km 0/00 to 0/700 (SH:-Improvement of Geometries curves in km 0/460 to	Rs. 142078/-	2900/-	one Month	Rs. 350/-

	0/506)				
26	Restoration of Rain damages on Devidhar Bhajyar road Km. 0/00 to 2/200 (SH:- Construction of R-wall at RD. 1/240 to 1/260)	Rs. 438952/-	9000/-	One Month	Rs. 350/-
27	C/O Jeepable road from Banuti to Mansa Mata temple Km. 0/00 to 0/850 (SH:- P/L G-1, G-2, G-3, M/T work thereof in Km. 0/615 to 0/850)	Rs. 499325/-	10000/-	Two Months	Rs. 350/-
28	C/O Jeepable road from Banuti to Mansa Mata temple Km. 0/00 to 0/850 (SH:- C/O hume pipe culvert 900mm dia and both side wing wall & C/O PCC R/wall in Km. 0/720 to 0/730)	Rs. 497170/-	10000/-	Two Months	Rs. 350/-
29	A/R & M/O various roads under Sunni Sub Division (SH:- Providing and fixing of High intensity reflective all weather proof malty colour taps sheet0	Rs. 497150/-	10000/-	One Month	Rs. 350/-
30	A/R & M/o various roads under Sunni sub Division (SH:- Providing and fixing Aluminium cat eyes & delinator at various Rds.)	Rs. 497280/-	10000/-	One Month	Rs. 350/-
31	R/R damages on Galog Nehra okhroo road Km. 0/00 to 12/00 (SH:- C/O R/wall at Rd. 7/860 to 7/883)	Rs. 497242/-	10000/-	One Month	Rs. 350/-
32	C/o Kadrain Nalawan road Km. 0/00 to 3/00 (SH:- Providing and laying soling WBM G-1, in Km. 1/300 to 2/100)	Rs. 454740/-	9100/-	One Month	Rs. 350/-
33	C/o Kadrain Nalawan road Km. 0/00 to 3/00 (SH:- Providing and laying soling WBM G-1, in Km. 2/200 TO 3/00 2/100)	Rs. 454740/-	9100/-	One Month	Rs. 350/-
34	R.R. damages on Khel ka Chaura to Baggi road Km. 0/00 to 12/225 (C/O R/wall in Km. 9/205 to 9/215)	Rs. 499018/-	10000/-	One Month	Rs. 350/-
35	A/R & M/O Shananghati Dargi Sohal Panohi Katal road Km. 0/00 to 12/225 (SH:-C/O B/wall at Rd. 4/480 to 4/495 below Govt. Sr. Sec. School Dargi play ground)	Rs. 499908/-	Rs. 10000/-	One Month	Rs. 350/-
36	R/R damages on Nehwat Nayaser road km. 0/00 to 04/450 (SH:- C/o R/wall at Rd. 2/198.50 to 2/217).	Rs. 494099/-	Rs. 10000/-	One Month	Rs. 350/-
37	R/R damages on Nehwat Nayaser road km. 0/00 to 04/450 (SH:- C/o R/wall at Rd. 2/180 to 2/198.50).	Rs. 494099/-	Rs. 10000/-	One Month	Rs. 350/-

Followings documents should be attached with the application for tenders:-

- (v) The Contractors are requested to be produced a copy of their PAN No. GST No. copy of enlistment renewed letter and EPF certificate alongwith FDR against earnest money.
- (vi) Special care would be taken to write the rates both in figures and in word failing which tender is likely to be rejected.

No: PW-SRDD-CB-CTR / 2022- 17716-24

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

- 1 9. The Superintending Engineer 4th Circle HPPWD Shimla-3.
- 2 10. All the Assistant Engineer working under this division for information and necessary action.
- 3 11. All the heads of the branches in this office.
- 4 12. Notice Board.

Executive Engineer
Shimla Rural Division
H.P.P.W.D. Dhami

Dated:- 27-09-2022

Executive Engineer
Shimla Rural Division
H.P.P.W.D. Dhami.

Certificate

Certified that the tenders called vide this office notice No.PW-SRDD-CB-CTR/2022- 17716-24 dated 27-09-22 for 37 number jobs is hereby invited without press notice due to exigencies/emergency of works in the public interest.

Executive Engineer
Shimla Rural Division
H.P.P.W.D. Dhami.

Job No. 1

Schedule Of Quantity									
Name Of Work :- R/R damages on Garkhan to Barity road km. 0/00 to 8/00 (SH:- C/O B/wall at Rd. 2/900 to 2/930 & 3/360 to 3/380)									
Estimated Cost:- 4,67,594.00									
Earnest Money:- 9400.00									
Time:- One Months.									
S.No	Description of Work	No. of Qty.		Rate		In words	Unit	Amount	
				In figures					
1	2	3	4	5	6	7	8		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m as per the direction of Engineer-In-Charge.	84	Cum				Per cubic metre		
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m as per the direction of Engineer-In-Charge. (For Structure as per drawing)	21.5	Cum				Per cubic metre		
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (1:5:10) (One cement : five sand : Ten Graded stone aggregate 40mm nominal size) and curing complete including the carriage of materials in all leads lifts as per the direction of Engineer-In-Charge.	122.80	Cum				Per cubic metre		
4	Providing and laying 100mm dia metre PVC pipe for wheep holes complete of approved quality Including carriage of material within all leads and lifts.	120.00	Rmt.				Per cubic metre		
		Total Rs.							

Executive Engineer,
Shimla Rural Division,
HP, PWD, Dhamsi. *[Signature]*

Sub No. 2

Schedule Of Quantity							Estimated Cost:- 4,95,204.00
Name Of Work :- Construction of Petrol pump to Kawali road via Jablog in km. 0/00 to 1/870 (SH:- C/O B/wall at Rd. 0/480 to 0/533)							Earnest Money:- 10000.00
							Time:- One Months.
S.No	Description of Work	No. of Qty.		Rate		Unit	Amount
				In figures	In words		
1	2	3	4	5	6	7	8
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m as per the direction of Engineer-In-Charge.	37.63	Cum			Per cubic metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m as per the direction of Engineer-In-Charge. (For Structure as per drawing)	43.46	Cum			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (1:5:10) (One cement : five sand : Ten Graded stone aggregate 40mm nominal size) and curing complete including the carriage of materials in all leads lifts as per the direction of Engineer-In-Charge.	122.43	Cum			Per cubic metre	
4	Back filling behind abutment, wing wall and return wall and retaining wall with granular material complete as per drawings and MORD technical specification Clause 1204.3.8 (One thousand Two Hundred Four point Three Point Eight) including carriage of materials with in all leads and lifts as per direction of the Engineer-in-Charge.	31.80	Cum			Per cubic metre	
5	Providing and laying 100mm dia metre PVC pipe for wheep holes complete of approved quality Including carriage of material within all leads and lifts.	150.00	Rmt.			Per Running Metre	
		Total Rs.					

Executive Engineer
Shimla Rural Divisi
HPWD Dhami

Job 200-3

Schedule Of Quantity							Estimated Cost:- 2,69,113.00
Name Of Work :- R/R damages on Banooti Pahal road Km. 0/00 to 20/700 (SH:- C/O R/wall at Rd. 0/760 to 0/780)							Earnest Money:- 5400.00
							Time:- One Months.
S.No	Description of Work	No. of Qty.		Rate		Unit	Amount
				In figures	In words		
1	2	3	4	5	6	7	8
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. as per the direction of Engineer-In-Charge.	14.4	Cum			Per cubic metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. as per the direction of Engineer-In-Charge. (For Structure as per drawing)	30.8	Cum			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (1:5:10) (One cement : five sand : Ten Graded stone aggregate 40mm nominal size) and curing complete including the carriage of materials in all leads lifts as per the direction of Engineer-In-Charge.	68.60	Cum			Per cubic metre	
4	Back filling behind abutment, wing wall and return wall and retaining wall with granular material complete as per drawings and MORD technical specification Clause 1204.3.8 (One thousand Two Hundred Four point Three Point Eight) including carriage of materials with in all leads and lifts as per direction of the Engineer-In-Charge.	18.00	Cum			Per cubic metre	
5	Providing and laying 100mm dia metre PVC pipe for wheep holes complete of approved quality including carriage of material within all leads and lifts.	28.00	Rmt.			Per Running Metre	
Total Rs.							

Executive Engineer
Shimla Rural Divisi
H.P. & V.D. Dhami

July 2024 **Draft SCHEDULE OF QUANTITY**

Sl. No.		Description of work	Qty.	Unit	RATE In		AMOUNT
					Figure	Words	Rs.
Draft Shedule of Quantity							
Sr.No.	Name of work:-Construction of National Law university at Ghandal(SH:-P/L putty, finishing wall and painting there of)Job No.-2				Estimated C		416590.00
					Earnest Mor		8400.00
					Time limit :		Two Month.
1	Applying Birla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matt finish to the surface complete as per H.P. PWD: specification (One thousand Nine hundred Ninety) Volume-I (One), including carriage of all labour, equipments and materials to various location through all modes of transportation in all leads and lifts.		530.000 m2	Per Square meter			
2	Applying one coat of Acrylic primer (Spectrum or equivalent of Superior quality) on new concrete/masonry/plastered surfaces after and including preparing the concrete/masonry/plastered surfaces surface by thoroughly brushing the surface free from mortar droppings and other foreign matters, sand papering the surface smooth complete.		530.000 m2	Per Square meter			
3	Finishing wall with water proof cement paint of approved brand and manufacture and of required shade on undecorated wall surface with two coats to give an even shade after thoroughly brushing the surface to remove all dirt and remains of loose powdered materials as per HPPWD specification 1990 (One thousand nine hundred ninety) volume-I (One) including carriage of all equipments and labour to various locations through all modes of transportation in all leads and lifts as per direction of engineer in charge.		636.000 m2	per square meter			

Executive Engineer

Shimla Rural Division

HPPWD, Dhami

Draft SCHEDULE OF QUANTITY

Description of work

Sl. No.	Description of work	Qty.	Unit	Rate In Figure Words	Amount Rs.
Draft Schedule of Quantity					
Sr.No.	Name of work:-Construction of National Law university at Ghandal(SH:-Dismantling tiled, plastering and painting there of)Job No.-1			Estimated Cost	426677.00
				Earnest Money	8600.00
				Time limit :	Two Month.
1	Dismantling tiled floors upto 25mm (twenty five millimeters) thickness laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials in all lead (wooden/concrete joists to be measured and paid for separately) as per direction of Engineer-in-Charge, and HP.PWD. specification 1990 (One thousand Nine hundred Ninety) Volume-1 (One), including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts, including all incidental charges.	530.000 m2	Per square meter		
2	Dismantling cement plaster laid in mortar upto all floor level including stacking of serviceable materials and disposal of un-serviceable materials in all lead (wooden/concrete joists to be measured and paid for separately) as per direction of Engineer-in-Charge, and HP.PWD. specification 1990 (One thousand Nine hundred Ninety) Volume-1 (One), including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts, including all incidental charges.	530.000 m2	Per square meter		
3	15 (Fifteen) millimeters thick cement plaster in single coat on the rough side of brick/concrete/stone walls for interior plastering up to all heights including arises. Internal rounded angles, chamfers and/or rounded angles not exceeding 80 (Eighty) millimeters in girth and finished even and smooth in cement mortar 1:6 (One cement isto Six sand), as per HP.PWD. Specification 1990 (One thousand Nine hundred Ninety) Volume-1 (One), including carriage of all labour equipment and material to various locations through all modes of transportation in all leads and lifts, including all incidental charges	530.00 m2	Per Square meter		
				Total	

Executive Engineer

Shimla Rural Division
HP.PWD, Dharmi

Job no. 6

Schedule Of Quantity							Estimated Cost:- 4,94,160.00
Name Of Work :- Construction of Judicial Academy at Ghandal (SH:- P/F Steel work, Ceiling, Poly Carbonate sheet, Roofs in Ramp etc)							Earnest Money:- 10000.00
							Time:- One Months.
S.No	Description of Work	No. of Qty.		Rate	Unit		Amount
				In figures	In words		
1	2	3	4	5	6	7	8
1	Steel work welded in built up sections/ framed work, including hollow section including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required including carriage of materials within all leads and lifts and as per the direction of Engineer-in-Charge	832	Kg			Per Kilogram	
2	Providing and fixing valley 60 cm overall 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester organic coating of 20 microns over 5 microns primer coating + back coat of polyster of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia with prepainted G.I. limpet and bitumen washers complete with all accessories as required as per the direction of Engineer-in-charge.	119	Sqm			Per Suquer metre	
3	Providing and fixing polcarbonated transparent sheet in ramp top including carriage of materials upto all leads and lifts as per the direction of the Engineer in Charges	120.00	Sqm			Per Suquer metre	
		Total Rs.					

Executive Engineer,
Shimla Rural Division,
HRRWD, Dharni.

Sub No. 7

Schedule Of Quantity

Name Of Work :- Construction of Judicial Academy at Ghandal (SH:- P/F Granite Stone, Repair of leakage, painting wall primer, gutter repair, skirting of tiles etc)

Estimated Cost:- 4,62,661.00

Earnest Money:- 10000.00

Time:- One Months.

S.No	Description of Work	No. of Qty.		Rate		Unit	Amount
				In figures	In words		
1	2	3	4	5	6	7	8
1	Dismantling tiles, floor dressed stone work, ashlar face stone work, marble work or precast concrete work manually/ by mechanical means including stacking of serviceable and disposal of unserviceable materials within 50 metres lead as per direction of Engineer in charge.	13	Sqm			Per Suquer metre	
2	Dismantling of ceiling in fascia soffit etc manually/ by mechanical means including stacking of serviceable and disposal of unserviceable materials within 50 metres lead as per direction of Engineer in charge.	119	Sqm			Per Suquer metre	
3	Providing and fixing Granite stone block for porch etc. Laid over 20mm thick base mortar 1:4 (1cement :4 sand) with joints 10mm wide filled with same mortar including ruled pointing etc. Complete as per direction of Engineer in charge.	13.00	Sqm			Per Suquer metre	
4	Providing and laying cement concrete 1:2:4 (one cement is to Two sand is to Four graded stone aggregate 20mm forty millimetre nominal size) and curing complete excluding cost of form work in foundation and plinth with piddlite or Dr.fixit water proofing treatment as per the direction of the Engineer-in-Charge but including carriage of materials up to all leads and lifts	1.60	Cum			Percubic metre	
5	Applying priming coat with ready mixed red oxide zinc chromate primer of approved brand and manufacture on steel galvanised iron/ steel works including carriage of materials upto all leads and lifts as per the direction of the Engineer in charge.	384.40	Sqm			Per Suquer metre	
6	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/ 10 sqm over an under coat of primer applied @ 0.80 ltr/ 10 sqm of approved brand and manufacture	615	Sqm			Per Suquer metre	
7	Providing and fixing high pressure PVC spigot and socket, waste and ventilating pipes ISI marked including fitting with approved adhesive etc. (i) 110 mm dia including carriage of materials upto all leads and lifts as per the direction of the Engineer in charge.	60	Rmt.			Per Running Metre	

8	Providing and fixing PVC clamps ISI marked of approved design with steel screws and rawal plugs etc. complete as per HP. PWD. specifications of 1990 volume-I including carriage of materials, labour, tool and plant through all modes of transportation within all leads and lifts and as per direction of Engineer-in- Charge.	20.00	No			Each	
9	Providing and fixing PVC collars ISI marked including fixing with approved adhesive etc. complete as per HP, PWD. specifications of 1990 volume-I including carriage of materials, labour, tool and plant through all modes of transportation within all leads and lifts and as per direction of Engineer-in- Charge.	20.00	No			Each	
10	Providing and fixing PVC plain bend ISI marked including fixing with approved adhesive etc. complete as per HP. PWD. specifications of 1990 volume-I including carriage of materials, labour, tool and plant through all modes of transportation within all leads and lifts and as per direction of Engineer-in- Charge.	15.00	No			Each	
11	Providing and fixing polycarbonated transparent sheet in ramp top including carriage of materials upto all leads and lifts as per the direction of the Engineer in Charges	70.00	Sqm			Per Suquer metre	
		Total Rs.					

Executive Engineer,
Shimla Rural Division,
HP PWD, Dhami.

Draft SCHEDULE OF QUANTITY

Description of work

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figure	Words	
Draft Shedule of Quantity						
Sr.N o.	Name of work:-Construction of Judicial Acedemy Ghandal(SH:-C/O R/wall at open Air Theater)Rd 0/00 to 4/00 Job No. 5.			Estimated C		460901.00
				Earnest Mor		9300.00
				Time limit :-		Two Month.
1	Demolition of stone Rubble masonry by manually/mechanical means above G.L. upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within all lead. including carriage of all labour, equipment and material to various location through all modes of transportation in all leads and lift.	36.00 m3	Per Cubic meter			
2	Squared rubble masonry coursed with hard stone of approved quality in foundation and plinth in Retaining/wall/breast wall including raking out joints in Cement Mortar 1:3 (one cement isto three sand) as per H.P.PWD. Specification 1990 volume- I, including carriage of all labour equipment and material to various locations through all modes of transportation in all leads and lifts, including all	7.200 m3	Per cubic meter			
3	Providing and laying cement concrete work 1:2:4 (one cment: two sand: four graded stone aggregate 20mm (twenty millimeter) nominal size) in walls and reventment walls (any thickness but not less than 0.10 meter thickness), and curing complete excluding cost of form work and reinforcement as per HP.PWD specification , including carriage of all labour equipment and material to various location through all modes of transportation in all lead and lift, including all incidental charges.	45.000 m3	Per cubic meter			
4	Providing tor steel reinforcement for reinforced cement concrete work including bending binding and placing in position including cost of binding wire complete as per structural drawing in all floors up to all heights and levels, as per direction of Engineer-in-Charge and as per HP.PWD. specification 1990 (One thousand Nine hundred Ninety) Volume-I (One), including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts, including all incidental charges.	810 Kg	Per kilogram			
5	Providing weep holes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 100mm (one hundred millimeter) dia PVC pipe extending through the full width of the structure with slope of 1:20 (One verticle isto twenty horizontal) towards drawing face complete as per drawing and MORD technical specification clause 614, 709, 1204.3.7(six hundred fourteen, seven hundred nine, one thousand two hundred four point three point seven) or as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.	40.00 meter	Per Meter			
6	Backfilling of Granular material behind abutment, wing wall and return wall, breast walls, retaining walls and parapets up to all heights, depths and levels complete as per drawings and MORD technical specification clause 1204.3.8 (one thousand two hundred four point three point eight) , including carriage of all labour equipment and materials to various location of site through all modes of transportations in all leads lifts and all incidental charges.	24.00 m3	Per Cubic Met			
6	Steel work welded in built up sections, In gratings framed guard bars, ladders, railing, brackets and similar works, including cutting, hoisting in all heights and levels, fixing in position and applying a priming coat of red lead paint complete in all respect as per structural design, drawing ,direction of the Engineer-in-Charge and as per HP.PWD. Specification 1990 volume-I, including carriage of all labour equipment and material to various locations through all modes of transportation in all leads and lifts.	248.400 Kg	Per Kg			

Executive Engineer
Shajma Rural Divisi
H.P.PWD Dhami
SDS KSLH

Draft SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	Figure	Words	AMOUNT Rs.
Draft Schedule of Quantity						
Sr.No.	Name of work:-Construction of Judicial Acedemy Chanda(SH:-C/O R/wall at open Air Theater)Rd 0/00 to 4/00 Job No. 6				Estimated C	460901.00
0.					Earnest Mon	9300.00
					Time limit :	Two Month.
1	Demolition of stone Rubble masonry by manually/mechanical means above G.L. upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within all lead. including carriage of all labour, equipment and material to various location through all modes of transportation in all leads and lift.	36.00	m3	Per Cubic meter		
2	Squared rubble masonry coursed with hard stone of approved quality in foundation and plinth in Retaining/wall/breast wall including raking out joints in Cement Mortar 1:3 (one cement isto three sand) as per H.P.P.W.D. Specification 1990 volume- I, including carriage of all labour equipment and material to various locations through all modes of transportation in all leads and lifts, including all	7.200	m3	Per cubic meter		
3	Providing and laying cement concrete work 1:2:4 (one cement: two sand: four graded stone aggregate 20mm (twenty millimeter) nominal size) in walls and reventment walls (any thickness but not less than 0.10 meter thickness), and curing complete excluding cost of form work and reinforcement as per HP.P.W.D specification including carriage of all labour equipment and material to various location through all modes of transportation in all lead and lift, including all incidental charges.	45.000	m3	Per cubic meter		
4	Providing tor steel reinforcement for reinforced cement concrete work including bending binding and placing in position including cost of binding wire complete as per structural drawing in all floors up to all heights and levels, as per direction of Engineer-in-Charge and as per HP.P.W.D. specification 1990 (One thousand Nine hundred Ninety) Volume-I (One), including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts, including all incidental charges.	810	Kg	Per kilogram		
5	Providing weep holes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 100mm (one hundred millimeter) dia PVC pipe extending through the full width of the structure with slope of 1:20 (One verticle isto twenty horizontal) towards drawing face complete as per drawing and MORD technical specification clause 614, 709, 1204.3.7(six hundred fourteen, seven hundred nine, one thousand two hundred four point three point seven) or as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.	40.00	meter	Per Meter		
6	Backfilling of Granular material behind abutment, wing wall and return wall, breast walls, retaining walls and parapets up to all heights, depths and levels complete as per drawings and MORD technical specification clause 1204.3.8 (one thousand two hundred four point three point eight) , including carriage of all labour equipment and materials to various location of site through all modes of transportations in all leads lifts and all incidental charges.	24.00	m3	Per Cubic Met		
6	Steel work welded in built up sections, In gratings framed guard bars, ladders, railing, brackets and similar works, including cutting, hoisting in all heights and levels, fixing in position and applying a priming coat of red lead paint completer in all respect as per structural design, drawing, direction of the Engineer-in-Charge and as per HP.P.W.D. Specification 1990 volume-I, including carriage of all labour equipment and material to various locations through all modes of transportation in all leads and lifts.	248.400	Kg	Per Kg		

Draft SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figure	Words	

Executive Engineer
Shimla Rural Division
HPPWD, Dhami

Job No. 10

Draft SCHEDULE OF QUANTITY

Description of work

Draft SCHEDULE OF QUANTITIES		Description of work		Qty.	Unit	RATE In		AMOUNT
Sl. No.						Figure	Words	Rs.
Draft Shedule of Quantity								
Sr.No.	Name of work:-Restoration of rain damages on Judicial Acedemy Ghandal(SH:-C/O R/wall at open Air Theater)		Rd 0/00 to 4/00			Estimated Cost		499384.00
						Earnest Money		10000.00
						Time limit :-		Two Month.
1	Demolition of stone Rubble masonry by manually/mechanical means above G.L. upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within all lead. including carriage of all labour, equipment and material to various location through all modes of transportation in all leads and lift, including all incidental charges.		48.00	m3	Per Cubic meter			
2	Squared rubble masonry coursed with hard stone of approved quality in foundation and plinth in Retaining/wall/breast wall including raking out joints in Cement Mortar 1:3 (one cement isto three sand) as per H.P.PWD. Specification 1990 volume- I, including carriage of all labour equipment and material to various locations through all modes of transportation in all leads and lifts, including all incidental charges.		12.800	m3	Per cubic meter			
3	Providing and laying cement concrete work 1:2:4 (one cement: two sand: four graded stone aggregate 20mm (twenty millimeter) nominal size) in walls and reventment walls (any thickness but not less than 0.10 meter thickness), and curing complete excluding cost of form work and reinforcement as per HP.PWD specification, including carriage of all labour equipment and material to various location through all modes of transportation in all lead and lift, including all incidental charges		48.000	m3	Per cubic meter			
4	Providing tor steel reinforcement for reinforced cement concrete work including bending binding and placing in position including cost of binding wire complete as per structural drawing in all floors up to all heights and levels, as per direction of Engineer-in-Charge and as per HP.PWD. specification 1990 (One thousand Nine hundred Ninety) Volume-1 (One), including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts, including all incidental		864	Kg	Per kilo-gram me			
5	Providing and laying red sand stone slab in treads and risers of steps on a bed of 20 mm thick cement mortar 1:4(one cement four sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the shade of the slab i.e. preparing of nosing i.e. rubbing and granite polish finish complete excluding cost of form work and reinforcement as per HP.PWD specification, including carriage of all labour equipment and material to various location through all modes of transportation in all lead and lift, including all incidental charges.		10.570		Per Sqm meter			
6	Providing weep holes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 100mm (one hundred millimeter) dia PVC pipe extending through the full width of the structure with slope of 1:20 (One verticle isto twenty horizontal) towards drawing face complete as per drawing and MORD technical specification clause 614, 709, 1204.3.7(six hundred fourteen, seven hundred nine, one thousand two hundred four point three point seven) or as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.		32.00	meter	Per Met er			

Executive Engineer,
Shimla Rural Division
H.P.PWD, Dharam

Sub No. 1

Schedule Of Quantity							Estimated Cost:- 4,99,723.00
Name of Work :- Construction of Karyali to Shara Nallah road km. 0/00 to 5/00 (SH:- Providing and laying G- 1, Preparation of sub grade, Consolidation of sub grade in km.1/500 to 2/250)							Earnest Money:- 10000.00
							Time:- One Months.
S.No	Description of Work	No. of Qty.		Rate	In words	Unit	Amount
				In figures			
1	2	3	4	5	6	7	8
1	Preparation of sub grade by dressing to combor (Earth work for the cutting involved for sub-grade to be paid for separately depending upon the classification of soil completed as per HP PWD specifications.	2763.75	Sqm			Per Square Metre	
2	Consolidation of sub grade with road roller including making good the undulation etc. with earth or quarry soil etc. and rerolling the sub-grade completed as per HP PWD specifications	2763.75	Sqm			Per Square Metre	
3	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 1 as per Technical Specification Clause 404. By Mechanical Means	272.25	Cum			Per cubic metre	
						Total Rs.	

Executive Engineer,
Shimla Rural Division,
HP, W.D, Dhamsi. *[Signature]*

Sub 20.12

SCHEDULE OF QUANTITY

Name of Work: - Construction of Thachi Rehana Road Km. 0/00 to 2/645 (SH: - Construction of R-Wall at RD. 1/260 to 1/283)							Estimated Cost: - Rs 491772 /- only Earnest Money : - Rs. 10000 /-only Time: - One Month		
SCHEDULE OF QUANTITY									
S. No.	Sub head and items of work	Qty.	figures	Rate	Unit	Amount			
			4	In words			5		
1	2	3			6	7			
1	Excavation in soil in Hilly Area by manual means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto 1.5 m and a lead upto 20 m as per drawing and Technical Specification Clause 1603.1 and other deleterious materials and disposal upto all leads and lifts as per MORD specification directed by Engineer-in Charge.	20.25	Cum		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 all leads and lifts dressing of sides and bottom and backfilling in trenches with excavated suitable material as per MORD specification directed by Engineer-in-Charge.	51.08	Cum		Per cubic metre				
3	Providing and Laying cement concrete for plain / reinforced conc. In open foundation complete as per drawing and technical specification clause-802, 803, 1202 & 1203 in Cement Concrete 1:5:10 (1 Cement : 5 sand: 10 graded stone Aggregate 40 mm nominal mix) Including carriage of material upto all leads and lifts as per the directions of Engineer-in-Charge.	127.58	Cum		Per cubic metre				
4	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8, (I) Granular material. Including carriage of material within all leads upto leads as per the direction of Engineer-in-Charge.	25.65	Cum		Per cubic metre				
5	Providing weapholes in brick masonry / stone masonry /plain reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full with of the structures with slop of 1(v) 20(H) towards drawing face complete as per drawing and technical specification . Including carriage of material upto all leads and lifts as per the direction of Engineer -in-Charge.	64.55	Rmt.		Per Running Metre				
0					Total				

Note : (i) All the material will procured by the contractor him self.

Executive Engineer
Shimla Rural Divisi
HPPWD Dhami

Job No 13

SCHEDULE OF QUANTITY

Name of Work: - Improvement of Curves and Providing and fixing Railing and parapet on Khel Ka Chaura to Baggi Road km. 0/00 to 12/225 (Sh:- Providing & Fixing W-Metal Beam Crash Barrier at various RDs.) Job No-4										Estimated Cost: - Rs 481712 /- only Earnest Money : - Rs. 10000 /-only Time: - One Month		
S. No.	Sub head and items of work	Qty.	figures	Rate		Unit	Amount					
					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 all leads and lifts dressing of sides and bottom and backfilling in trenches with excavated suitable material as per MORD specification directed by Engineer-in-Charge.	13.59 Cum				Per cubic metre			7			
2	Providing and laying cement concrete for Plan / reinforced conc. In open foundation complete as per drawing and technical specification clause - 802,803,1202 & 1203.in P.C.C grade M-20 (1:2:4, nominal mix 20mm) Including carriage of material upto all leads and lifts as per the directions of Engineer-in-Charge.	13.59 Cum				Per cubic metre						
3	Providing and erecting a "W"metal beam crash barrier comprising of 3mm thick corrugated sheet metal rail 70 cm. above road/ground level fixed on GI Sheet channel vertical post 150x75x5 mm spaced 1.5 m center to center,1.8 m high,1.1 m below ground /road level, all steel part and fittings to be galvanised by hot dip process, all fitting to conforms to IS:1367 and IS:1364 metal beam rail to be fixed on the vertical post with a spacer of channel section 150x75x5mm,330mm long complete as per clause 810 including high intensity grade all weather proof reflective sheeting multi colour tape fixed with mechanical means with high visible(cautionary) from long distance i.e. in fog prone area, black spot point and narrow curve etc.	110.00 Rmt				Per Running Metre						
0						Total:						

Note : (i) All the material will procured by the contractor him self.

Executive Engineer
S. and P. Road Division
H. and D. Division

Sub No. 4

Schedule Of Quantity							Estimated Cost:- 4,96,401.00
Name Of Work :- A/R & M/O various road under Thailla section (SH:- C/O V - Shape drain link road to village Khatnol km. 0/00 to 10/00)							Earnest Money:- 10000.00
							Time:- One Months.
S.No	Description of Work	No.of Qty.		Rate		Unit	Amount
				In figures	In words		
1	2	3	4	5	6	7	8
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.as per the direction of Engineer-In-Charge.	108.57	Cum			Per cubic metre	
2	Providing and laying Cement Concrete for Plain/ reinforced Concrete in open Foundation complete as per drawing and technical specification clause 802, 803, 1202 & 1203 in P.C.C Grade M-10 (1:3:6) nominal mix in km. 1/500 to 3/00)	95.04	Cum			Per cubic metre	
Total Rs.							

Executive Engineer,
Shimla Rural Division,
HP,PWD, Dhamsi

Sub No. 13 -

Schedule Of Quantity							Estimated Cost:- 4,88,882.00	
Name Of Work :- A/R & M/O various road under Thailla section (SH:- C/O V - Shape drain on Baldian Dharmpur road km. 0/00 to 10/00 & link road to village Garkhan km. 0/00 to 3/00)							Earnest Money:- 10000.00	
							Time:- One Months.	
S.No	Description of Work	No. of Qty.		Rate	In figures	In words	Unit	Amount
1	2	3	4	5	6	7	8	
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.as per the direction of Engineer-In-Charge.	106.93	Cum				Per cubic metre	
2	Providing and laying Cement Concrete for Plain/ reinforced Concrete in open Foundation complete as per drawing and technical specification clause 802,803,1202 & 1203 in P.C.C Grade M-10 (1:3:6) nominal mix in km. 1/500 to 3/00)	93.60	Cum				Per cubic metre	
Total Rs.								

Executive Engineer,
Shimla Rural Division,
HP, PWD, Dhami. *[Signature]*

Sub 200.16

Schedule Of Quantity							Estimated Cost:- 4,99,908.00
Name Of Work :- Improvment of black spot on Galog Nehra Okhroo road km. 0/00 to 12/00 (SH:- Improvment of narrow curves in km. 1/180 to 1/270)							Earnest Money:- 10000.00
							Time:- One Months.
S.No	Description of Work	No.of Qty.		Rate	Unit	Amount	
				In figures	In words		
1	2	3	4	5	6	8	
1	Cutting in earth work in all heights and depths in all kinds of soil including saturated soil comprising of pick, jumper, blasting work both in soft and hard rock with chiseling/ wedging out of rock (where blasting is prohibited) and their intermediate classification of soil including, dewatering where ever required, setting to the required line, grades, side slopes trimming bottoms and level as shown on the drawing as directed by the Engineer-in-Charge at site according to HP.PWD specifications of 1990 (One thousand Nine hundred Ninety) Volume-1 and sorting out useful/un-useful materials and stacking the same in all leads and lifts and transportation of the unuseful materials for filling in road ways, embankments for grades improvements and leveling to the required grades and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites through all modes of transportation including head load , animal load or mechanical means along with its leveling fine dressing and all labour , machineries, materials, tools equipments and safety measures and incidentals necessary to complete the work by mechanized means and labour (if any required), the cost of useful materials such as stones,shingles,aggregates and slates shall be sorted out and stacked along road side, which shall not be less than one tenth of JW,one ten of SR and one six of HR one Third = 325.45 cum qty. which shall be proportionately increase/decrease as the qty. of earth work increase/ decreas in all cases recovered from the contracto @170/-(one hundred seventy only) per cubic metre shall be efacted any loss to the public and private property during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.	1301.86	Cum		Per cubic metre		
Total Rs.							

Executive Engineer
Shimla Rural Divisi
HPPWD Dhami

Sub 0001R

Schedule Of Quantity							Estimated Cost:- 4,99,723.00
Name of Work :- Construction of Karyali to Shara Nallah road km. 0/00 to 5/00 (SH:- Providing and laying G- 1, Preparation of subgrade, Consolidation of sub grade in km. 3/00 to 3/750)							Earnest Money:- 10000.00
							Time:- One Months.
S.No	Description of Work	No.of Qty.		Rate	In words	Unit	Amount
				In figures			
1	2 Preparation of sub grade by dressing to combor (Earth work for the cutting involved for sub-grade to be paid for separately depending upon the classification of soil completed as per HP.PWD specifications.	3	4	5	6	7	8
1		2763.75	Sqm			Per Square Metre	
2	Consolidation of sub grade with road roller including making good the undulation etc. with earth or quarry soil etc. and rerolling the sub-grade completed as per HP.PWD specifications	2763.75	Sqm			Per Square Metre	
3	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 1 as per Technical Specification Clause 404. By Mechanical Means	272.25	Cum			Per cubic metre	
						Total Rs.	

Executive Engineer,
Shimla Rural Division,
HP.PWD, Dhamsi. *[Signature]*

Tab No. 18

Schedule Of Quantity							Estimated Cost:- 4,99,723.00
Name of Work :- Construction of Karyali to Shara Nallah road km. 0/00 to 5/00 (SH:- Providing and laying G- 1, Preparation of sub-grade, Consolidation of sub grade in km. 3/750 to 4/500)							Earnest Money:- 10000.00
							Time:- One Months.
S.No	Description of Work	No. of Qty.		Rate In figures	In words	Unit	Amount
1	2	3	4	5	6	7	8
1	Preparation of sub grade by dressing to combor (Earth work for the cutting involved for sub-grade to be paid for separately depending upon the classification of soil completed as per HP.PWD specifications.	2763.75	Sqm			Per Square Metre	
2	Consolidation of sub grade with road roller including making good the undulation etc. with earth or quarry soil etc. and rerolling the sub-grade completed as per HP.PWD specifications	2763.75	Sqm			Per Square Metre	
3	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 1 as per Technical Specification Clause 404. By Mechanical Means	272.25	Cum			Per cubic metre	
						Total Rs.	

Executive Engineer,
Shimla Rural Division,
HP, PWD, Dharmi 

Sub No. 19

Schedule Of Quantity

Name of Work :- Construction of Karyali to Shara Nallah road km. 0/00 to 5/00 (SH:- Providing and laying G- 1, Preparation of sub grade, Consolidation of sub grade in km. 2/250 to 3/00)

Estimated Cost:- 4,99,723.00					
Earnest Money:- 10000.00					
Time:- One Months.					
S.No	Description of Work	No.of Qty.	Rate In figures	In words	Unit
1	2 Preparation of sub grade by dressing to combor (Earth work for the cutting involved for sub-grade to be paid for separately depending upon the classification of soil completed as per HP PWD specifications.	3	4	5	6
1	Preparation of sub grade by dressing to combor (Earth work for the cutting involved for sub-grade to be paid for separately depending upon the classification of soil completed as per HP PWD specifications.	2763.75	Sqm		7
2	Consolidation of sub grade with road roller including making good the undulation etc. with earth or quarry soil etc. and rerolling the sub-grade completed as per HP PWD specifications	2763.75	Sqm		8
3	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 1 as per Technical Specification Clause 404.By Mechanical Means	272.25	Cum		Per Square Metre
Total Rs.					

Executive Engineer,
Shimla Rural Division,
HP, PWD, Dharmi. *[Signature]*

Sub 20

Schedule Of Quantity							Estimated Cost:- 4,99,908.00
Name Of Work :- Improvment of black spot on Galog Nehra Okhroo road km. 0/00 to 12/00							Earnest Money:- 10000.00
(SH:- Improvment of narrow curves in km. 0/420 to 0/510)							Time:- One Months.
S.No	Description of Work	No.of Qty.	Rate	In figures	In words	Unit	Amount
1	2	3	4	5	6	7	8
1	Cutting in earth work in all heights and depths in all kinds of soil including saturated soil comprising of pick, jumper, blasting work both in soft and hard rock with chiseling/ wedging out of rock (where blasting is prohibited) and their intermediate classification of soil including, dewatering where ever required, setting to the required line, grades, side slopes trimming bottoms and level as shown on the drawing as directed by the Engineer-in-Charge at site according to HP.PWD specifications of 1990 (One thousand Nine hundred Ninety) Volume-1 and sorting out useful/un-useful materials and stacking the same in all leads and lifts and transportation of the unuseful materials for filling in road ways, embankments for grades improvements and leveling to the required grades and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites through all modes of transportation including head load , animal load or mechanical means along with its leveling fine dressing and all labour , machineries, materials, tools equipments and safety measures and incidentals necessary to complete the work by mechanized means and labour (if any required). the cost of useful materials such as stones,shingles,aggregates and slates shall be sorted out and stacked along road side which shall not be less than one tenth of JW, one ten of SR and one six of HR one Third = 325.45 cum qty. which shall be proportionately increase/decrease as the qty. of earth work increase/ decreases in all cases recovered from the contracto @170/-(one hundred seventy only) per cubic metre shall be efacted any loss to the-public and private property during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.	1301.86	Cum			Per cubic metre	
Total Rs.							

Executive Engineer
Shigla Rural Divisi
HP PWD Dhami

Draft SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
Draft Schedule of Quantity						
Name of work:-A/R & M/O to Galog Nehra Okhroo road KM 0/0 to 12/00(SH:-C/O R/wall at RDs 5/730 to 5/735).						
				Estimated Cost:		495266.00
				Earnest Money:		10000.00
				Time limit :-		Two Month.
1	Excavation in soil in Hilly Area by mechanical means including cutting and trimming of side slopes and disposing of excavated earth with in all lead and lift as per Technical Specification Clause 1603.1 (one six zero three point one) and MORD specification including carriage of all labour equipment and materials to various location of site through all modes of transportations in all lead, lift and all incidental charges. all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosions, damage to hill side, water pollutions etc., and to protect stability of hill side rock work shall be executed with chiseling, wedging out rock, where blasting is prohibited). All earth work in excavation including rock excavation shall be carried out true to lines, grades, side slopes, width, camber super elevations and levels as shown on the drawing or as directed by the Engineer-in-Charge. Stacking of materials useful for construction at suitable sites and safe disposal of unserviceable cut materials in specified manners, trimming, filling of unevenness blindages and finishing of the road to specified dimensions as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with Earthwork in excavation for all type of road structures such as retaining wall, breast wall, culvert, drain and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rock chiseling / wedging out rocks (where blasting is prohibited). Dimensions and other particulars as per drawing and Technical Specification Clause 305.1 (Three hundred Five point One) including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and its disposal including dressing of sides and bottom and backfilling in trenches with excavated suitable material, trimming, filling of unevenness blindages and finishing of the road to specified dimensions. All work of excavation by blasting shall be carried out by taking all necessary precautions against soil erosions, damage to hill side, water pollutions etc., and to protect stability of hill side rock. Stacking of materials useful for construction at suitable sites and safe disposal of unserviceable excavated materials in specified manners to dumping site (to be arranged by tile contractor) or as directed by the Engineer-in-Charge. Any loss to the public or private property during the course of execution shall be the sole responsibility of the	49.590	m ³	Per Cubic metre		
2	Providing and Laying cement concrete 1:5:10 (one cement isto five sand isto ten graded stone aggregate 40mm) and mechanical mixed, vibrated and curing complete including the cost of farmwork for plain concrete in retaining walls, breast walls, the size of plum should be 150 to 300 mm as per drawing and HP.PWD technical / MORD specifications 800 & 1200 (eight zero zero & one two zero zero) & as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.	34.200	m ³	Per Cubic Meter		
3	Backfilling of Granular material behind abutment, wing wall and return wall, breast walls, retaining walls and parapets up to all heights, depths and levels complete as per drawings and MORD technical specification clause 1204.3.8 (one thousand two hundred four point three point eight) . including carriage of all labour equipment and materials to various location of site through all modes of transportations in all leads lifts and all incidental charges.	142.350	m ³	Per Cubic Meter		
4		13.68	m ³	Per Cubic Meter		

Draft SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
5	Providing weep holes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 100mm (one hundred millimeter) dia PVC pipe extending through the full width of the structure with slope of 1:20 (One verticle isto twenty horizontal) towards drawing face complete as per drawing and MORD technical specification clause 614, 709, 1204.3.7(six hundred fourteen, seven hundred nine, one thousand two hundred four point three point seven) or as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.	70.00	met Per Meter			

Executive Engineer
 Shimla Rural Division
 HPWD, Dharmi

Job No. 22

Schedule Of Quantity							Estimated Cost:- 4,63,261.00
Name of Work :- A/R & M/O On Baldian Dharpur road Km.10/00 to 16/500 (SH:- C/O R/wall at Rd. 16/130 to 16/140, 16/140 to 16/150, & Edge wall at Rd. 16/150 to 16/174)							Earnest Money:- 9300.00
							Time:- One Months.
S.No	Description of Work	No.of Qty.	Rate		In words	Unit	Amount
				In figures			
1	2	3	4	5	6	7	8
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.as per the direction of Engineer-In-Charge.	23.62	Cum			Per cubic metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.as per the direction of Engineer-In-Charge.(For Structure as per drawing)	37.76	Cum			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (1:5:10) (One cement : five sand : Ten Graded stone aggregate 40mm nominal size) and curing complete including the carriage of materials in all leads lifts as per the direction of Engineer-In-Charge.	118.76	Cum			Per cubic metre	
4	Back filling behind abutment, wing wall and return wall and retaining wall with granular material complete as per drawings and MORD technical specification Clause 1204.3.8 (One thousand Two Hundred Four point Three Point Eight) including carriage of materials with in all leads and lifts as per direction of the Engineer-in-Charge.	39.78	Cum			Per cubic metre	
5	Providing and laying 100mm dia metre PVC pipe for wheep holes complete of approved quality Including carriage of material within all leads and lifts.	27.60	Rmt.			Per Running Metre	
Total Rs.							

Executive Engineer
Shimla Rural District
H.P.W.D. Dhami

SCHEDULE OF QUANTITY

SCHEDULE OF QUANTITY				Estimated Cost: - Rs 481712 /- only
Name of Work: - Improvement of Curves and Providing and fixing Railing and parapet on Khel Ka Chaura to Baggi Road km. 0/00 to 12/225 (Sh:- Providing & Fixing W-Metal Beam Crash Barrier at various RDs.) Job No-3				Earnest Money : - Rs. 10000 /-only
S.	Sub head and items of work			Time: - One Month

Barrier at various RDs.) Job No-3									
Sub head and items of work									
S. No.	Qty.	Rate	Unit	Amount	figures	In words	Rate	Unit	Amount
1	13.59	Cum	Per cubic metre	7	4	5	6	Per cubic metre	7
2	13.59	Cum	Per cubic metre					Per cubic metre	
3	110.00	Rmt	Per Running Metre					Per Running Metre	
0			Total:						

Note : (i) All the material will procured by the contractor him self.

Executive Engineer
Sixth Rural Division
H.D. Dhemla

Draft SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In Figure Words	AMOUNT Rs.
	Sub 20.24			Estimated C	497453.00
				Earnest Mon	9800.00
				Time Limit:	Two Months.

Job No.

Name of work: - Improvement of curves on Nehra Bukho road KM 0/00 to 8/00(SH:-Providing and fixing railing W-metal crash beam barrier at various RDs).Job No.-2

1	Earthwork in excavation for all type of road structures such as retaining wall, breast wall, culvert, drain and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rock chiesling / wedging out rocks (where blasting is prohibited) as per drawing and technical specification true to lines and grades. Dimesions and other particulars as per drawing and Technical Specification Clause 305.1(Three hundred Five point One) and 1606.1(One six zero six point one) including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto all lead and lifts including dressing of sides and bottom and backfilling in trenches with excavated suitable material. All work of excavation by blasting shall be carried out by taking all necessary precautions against soil erosions, damage to hill side, water pollutions etc., and to protect stability of hill side rock. Stacking of materials useful for construction at suitable sites and safe disposal of unserviceable excavated materials in specified manners to dumping site (to be arranged by the contractor), trimming, filling of unevenness blindages and finishing of the road to specified dimensions or as directed by the	19.800 m3	Per Cubic Meter		
2	Providing and laying cement concrete work 1:2:4 (one cment: two sand: four graded stone aggregate 20mm (twenty millimeter) nominal size) in foundation and plinth, and curing complete excluding cost of form work and reinforcement as per HP.PWD specification, including carriage of all labour equipment and material to various location through all modes of transportation in all lead and lift, including all incidental charges.	19.800 m3	Per cubic meter		
3	Providing and erecting single sided single "W" metal beam crash barrier comprising of cold formed W Profile section having thickness of 3mm (un coated thickness) with frame width of 311 mm depth 83mm and length 4318mm made of ISI Marked HR Coil confirming to IS : 5986/2011 to be fixed on cold formed channel section post of size 150 x 75 x 5 mm made of ISI Marked HR Coil confirming to IS : 5986/2011 spaced 1.5 m centre to centre of the post which will be of total 1.8 m height, 1.1 m below ground / road level and 0.70 meter above ground level. Metal beam rail to be fixed on the vertical post with spacer channel of cold formed channel section size 150 x 75 x 5 mm, 330 mm long made of ISI Marked HR Coil confirming to IS : 5986/2011. All the above components shall confirm to clause 810 of MORT&H Specifications (latest revision) including all fittings required for erection at road / site of work, spacer shall be hot dipped galvanized with zinc coating (reaffirmed 2011) for bolts and nuts IS 14393/1996 (Re affirmed 2011) including carriage of all labour, equipments and materials to various location through all modes of transportation in all leads lifts and all incidental charges	104.000 m	Per Running Meter		

Executive Engineer,
Shimla Rural Division,
HP&V, Dhami
SDs KSLI)

Sub. No 28

Schedule Of Quantity							Estimated Cost:-1,42,078.00
Name Of Work :- C/O link road Chebri to Chowki km. 0/00 to 0/700 (SH:- Improvement of Geometries curves in km. 0/460 to 0/506)							Earnest Money:- 2900.00
S.No							Time:- One Months.
	Description of Work	No.of Qty.		Rate		Unit	Amount
				In figures	In words		
1	2	3	4	5	6	7	8
1	Cutting in earth work in all heights and depths in all kinds of soil including saturated soil comprising of pick, jumper, blasting work both in soft and hard rock with chiseling/ wedging out of rock (where blasting is prohibited) and their intermediate classification of soil including, dewatering where ever required, setting to the required line, grades, side slopes trimming bottoms and level as shown on the drawing as directed by the Engineer-in-Charge at site according to HP.PWD specifications of 1990 (One thousand Nine hundred Ninety) Volume-I and sorting out useful/un-useful materials and stacking the same in all leads and lifts and transportation of the unuseful materials for filling in road ways, embankments for grades improvements and leveling to the required grades and then disposing of surplus excavated earth in acquired width of road or on approved dumping sites through all modes of transportation including head load , animal load or mechanical means along with its leveling fine dressing and all labour , machineries, materials, tools equipments and safety measures and incidentals necessary to complete the work by mechanized means and labour (if any required). the cost of useful materials such as stones, shingles, aggregates and slates shall be sorted out and stacked along road side, which shall not be less than one tenth of JW, one ten of SR and one six of HR one Third . = 81.96 cum qty. which shall be proportionately increase/decrease as the qty. of earth work increase/decrease in all cases recovered from the contracto @ 300/- (Three hundred only) per cubic metre shall be efacted any loss to the public and private property during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all respects.	378.28	Cum			Per cubic metre	
Total Rs.							

Executive Engineer
Shirala Rural District
HP PWD Dharm
Dharm

Job. 26

SCHEDULE OF QUANTITY

Name of Work: - Restoration of Rain Damages on Devidhar Bhajyar Road km. 0/00 to 2/200 (SH: - construction of R-Wall at RD. 1/240 to 1/260)				Estimated Cost: - Rs 438952 /- only Earnest Money : - Rs. 9000 /-only Time: - One Month			
S. No.	Sub head and items of work	Qty.	figures	Rate	Unit	Amount	
			4	In words 5			
1	2	3		5	6	7	
1	Excavation in soil in Hilly Area by manual means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto 1.5 m and a lead upto 20 m as per drawing and Technical Specification Clause 1603.1 and other deleterious materials and disposal upto all leads and lifts as per MORD specification directed by Engineer-in Charge.	18.00 Cum			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 all leads and lifts dressing of sides and bottom and backfilling in trenches with excavated suitable material as per MORD specification directed by Engineer-in-Charge.	45.40 Cum			Per cubic metre		
3	Providing and Laying cement concrete for plain / reinforced conc. In open foundation complete as per drawing and technical specification clause-802, 803, 1202 & 1203 in Cement Concrete 1:5:10 (1 Cement : 5 sand: 10 graded stone Aggregate 40 mm nominal mix). Including carriage of material upto all leads and lifts as per the directions of Engineer-in-Charge.	113.40 Cum			Per cubic metre		
4	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8, (I) Granular material, Including carriage of material within all leads upto leads as per the direction of Engineer-in-Charge.	22.80 Cum			Per cubic metre		
5	Providing weapholes in brick masonry / stone masonry /plain reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full with of the structures with slop of 1(v):20(H) towards drawing face complete as per drawing and technical specification . Including carriage of material upto all leads and lifts as per the direction of Engineer -in-Charge.	68.20 Rmt.			Per Running Metre		
0					Total:		

Note : (i) All the material will procured by the contractor him self.

Executive Engineer
Shimla Rural DWG
HPPWD Dhami.

Sub No. 257 **Draft SCHEDULE OF QUANTITY**

Sr. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
Schedule of Quantity						
Sr.N o.	Name of work:-C/O Jeepable road from Banuti to Mansa Mata Temple KM 0/00 to /850(SH:-P/L G-1,G-2,G-3,M/T works there of in KM 0/615 to 0/850).				Estimated Cost: -	499325.00
					Earnest Money: -	10000.00
					Time: -	Two Months.
1	Comacting original ground gravel supporting sub grade by dressing to camber including cutting in earth work to a depth equal to the combined depth of sub base and surface coarse below the proposed finished level required to the gradient and confirmed line as per drawings and direction of the Engineer-in charge as per HPPWD specification 1990(one thousand nine hundred ninety) volume-1(one) and direction of the ngineer-in-charge, including carriage of all labour equipments and materials to various locations through all modes of transportation in all leads and lifts and all incidental charges.	587.50	m 2	Per Square Meter		
2	Construction of sub grade earthen shoulders with approved materiaal obtained from borrow pits with all leads lift transporting to site spreading grading to required slope and compacted to meet requirement to table 300.2 with lead upto 1000 meter and direction of Engineer-in-charge including carriage of all labour equipment and materials to various locations through all modes of transportation in all leads lifts and all incidental charges.	587.50	m 2	Per Square Meter		
3	WBM grading-I:providing, laying,spreading and compacting stone aggregates of specific size to water bound macadam specification including spreading in uniform thickness hand packing,rolling with three wheel 80-100KN static roller in stages to propergrade and camber, applying and brooming, stone screening/binding materials to fill up the interstices coarse aggregate,watering and compacting to the required denesty grading-I as per technical specification clause 405 including carriage of materials,labour and equipments to various location of site of work through all modes of transportation in all leads,lifts and all incidental charges .By mechanical means	88.14	m3	Per Cubic metre		
4	WBM grading-II:providing, laying,spreading and compacting stone aggregates of specific size to water bound macadam specification including spreading in uniform thickness hand packing,rolling with three wheel 80-100KN static roller in stages to propergrade and camber, applying and brooming, stone screening/binding materials to fill up the interstices coarse aggregate,watering and compacting to the required denesty grading-II as per technical specification clause 405 including carriage of materials,labour and equipments to various location of site of work through all modes of transportation in all leads,lifts and all incidental charges .By mechanical means	44.06	m3	Per Cubic metre		

Draft SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
5	WBM grading-III:providing, laying,spreading and compacting stone aggregates of specific size to water bound macadam specification including spreading in uniform thickness hand packing,rolling with three wheel 80-100KN static roller in stages to propergrade and camber, applying and brooming, stone screening/binding materials to fill up the interstices coarse aggregate,watering and compacting to the required denesty grading-III as per technical specification clause 405 including carriage of materials,labour and equipments to various location of site of work through all modes of transportation in all leads,lifts and all incidental charges .By mechanical means	44.06 cu m	Per Cubic Meter			
6	Providing and applying primer coat of Low porosity with Bitumen Emulsion SS-1 (one) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.85 Kg. / sqm (point eight five kilogramme per square meter) using mechanical means as per MORD Technical Specification Clause 502 (Five hundred Two) and entire satisfaction & direction of Engineer-in-Charge, including carriage of all labour, equipments and materials to various locations through all modes of transportation in all lead & lifts and all incidental charges.	552.250 m2	Per square meters			
7	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.275 kg (zero point two seven five kilogramme) per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 (five zero three) and as per direction of Engineer in charge including carriage of all labour, equipments and materials to various locations through all modes of transportation in all lead & lifts and all incidental charges.	552.25 m2	Per Square Meter			
8	Providing, laying by Mechanical means and rolling of open-graded premix carpet of 20 mm (twenty millimeters) thickness with specified size of graded stone aggregates using viscous grade bitumen (VG-10 (ten)) to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 kN (eighty to hundred kilo Newton) static roller capacity, finished to required level and grades to be followed by seal coat of Type B as per Technical Specification Clause 508 (five zero eight) including carriage of all labour, equipments and materials to various location through all modes of transportation in all leads lifts and all incidental charges.	552.25 m2	Per Square Meter			
9	Providing and laying seal coat By Mechanical Means sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type B as per Technical Specification Clause 510 (five hundred ten) using Bitumen VG 10 (ten)) including carriage of all labour, equipments and materials to various location through all modes of transportation in all leads lifts and all incidental charges.	552.25 m2	Per Square Meter			
	Total:-					

Executive Engineer
 Shimla Rural Division
 HPPD, Dhami

Draft SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
Shedule of Quantity						
Sr.No.	Name of work:-C/O Jeepable road from Banuti to Mansa Mata Temple KM 0/00 to /850(SH:-C/O Hume pipe culvert 900 mm dia and both side wing wall & C/O PCC R/wall in KM 0/720 to 0/730).				Estimated Cost:	497170.00
					Earnest Money:	10000.00
					Time limit :-	Two Month.
1	Excavation in soil in Hilly Area by mechanical means including cutting and trimming of side slopes and disposing of excavated earth with in all lead and lift as per Technical Specification Clause 1603.1(one six zero three point one) and MORD specification including carriage of all labour equipment and materials to various location of site through all modes of transportations in all lead, lift and all incidental charges. all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosions, damage to hill side, water pollutions etc., and to protect stability of hill side rock work shall be executed with chiseling, wedging out rock, where blasting is prohibited). All earth work in excavation including rock excavation shall be carried out true to lines, grades, side slopes, width, camber super elevations and levels as shown on the drawing or as directed by the Engineer-in- Charge. Stacking of materials useful for construction at suitable sites and safe disposal of unserviceable cut materials in specified manners, trimming, filling of unevenness blindages and finishing of the road to	6.860	m ³	Per Cubic metre		
2	Earthwork in excavation for all type of road structures such as retaining wall, breast wall, culvert, drain and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rock chiesling / wedging out rocks (where blasting is prohibited). Dimesions and other particulars as per drawing and Technical Specification Clause 305.1(Three hundred Five point One) including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and its disposal including dressing of sides and bottom and backfilling in trenches with excavated suitable material, trimming, filling of unevenness blindages and finishing of the road to specified dimensions. All work of excavation by blasting shall be carried out by taking all necessary precautions against soil erosions, damage to hill side, water pollutions etc., and to protect stability of hill side rock. Stacking of materials useful for construction at suitable sites and safe disposal of unserviceable excavated materials in specified manners to dumping site (to be arranged by the contractor) or as directed by the	88.210	m ³	Per Cubic Meter		

Draft SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
3	Providing and laying concrete for plain Cement concrete in 1:4:8 (one cement: four sand: eight graded crushed hard stone aggregate 40 (forty) millimeter nominal size) mechanical mixed, vibrated and curing complete in open foundation and plinth for all type of structure including the cost of form work complete as per drawing and MORD Technical Specification clause 802, 803, 1202 and 1203 (Eight hundred two, eight hundred three, one thousand two hundred two and one thousand two hundred three) or as directed by the Engineer-in-Charge including carriage of materials with in all leads	6.490 m ³	Per Cubic Meter			
4	Providing and laying concrete for P.C.C. grade M-10 (ten) nominal mix 1:3:6 (one cement isto three sand isto six graded crushed stone aggregate 20 (twenty) millimeters nominal size) mechanically mixed and vibrated in open foundations complete as per drawings and technical specifications clause 802, 803, 1202 and 1203 (eight hundred two, eight hundred three, one thousand two hundred two and one thousand two hundred three) curing complete as per MORD specifications including carriage of all labour, equipments and materials to various location through all modes of transportation in all leads lifts and all incidental charges	17.970 m ³	Per Cubic Meter			
5	Providing and Laying cement concrete 1:5:10 (one cement isto five sand isto ten graded stone aggregate 40mm) and mechanical mixed, vibrated and curing complete including the cost of farmwork for plain concrete in retaining walls, breast walls, the size of plum should be 150 to 300 mm as per drawing and HP.PWD technical / MORD specifications 800 & 1200 (eight zero zero & one two zero zero) & as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals	79.050 m ³	Per Cubic Meter			
6	Providing and laying (to level or slope) reinforced cement concrete pipe NP2- 900 mm (nine hundred millimeter) diameter for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 (one cement isto two sand) but excluding excavation, protection work, back filling, concrete and masonry work in head walls and parapets as per technical specification clause 1108 (one thousand one hundred eight), or as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.	12.000 m	Per Running Meter			

Job No. 22

Draft SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figure	Words	
					Estimated C	497150.00
					Earnest Mor	10000.00
					Time Limit :	One month.

Job No. 22

Name of work: - Annual Repair & Maintenance of various roads under Sunni Sub Division Dhama Division (SH :- Providing and fixing of high intensity reflective all weather proof malty colour taps sheet).

1	Providing and fixing of high intensity reflective all weather proof malty colour taps sheet quality fixed or face of longitudinal channel rail W-metal bimb crash barrier with mechanical means with high visibility from long distance in long pron area black sport point and narrow curve etc.Including rubbing and fixing the sheet etc as per HPPWD specification including carriage of material by all models of transportation in all lead and lift and including all incidental charges and as per direction of Engineer in Charge.	610.000 met er	Per Run ning met er			0.00
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Executive Engineer
Shimla Rural Division
HPPWD Dhama

Draft SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figure	Words	
Sr.N Name of work: -Annual Repair & Maintenance of various roads under Sunni Sub Division Dhama o. Division (SH :- Providing and fixing Aluminium cat eyes & delinator at various RDs).						
				Estimated Cost: -		497280.00
				Earnest Money: -		10000.00
				Time Limit: -		Fifteen days.
1	Providing and fixing plastic road studs / cat eyes studs 100x100mm diameter aluminium resistant to corrosive effect of salt and grits fitted with less reflector installation in concrete or ashalitic 30 mm upto depth 60 mm and beded insuitable bituminous grout as per BS:873 part (4) 1973 in yellow, white and red colour (two way acrylic reflector fixed at site with suitable epoxy and nails as per specification and to the entire satisfaction of the Engineer in Charge, including all lead and lift and carriage of material through all modes of transport including all incidental charges.	250.000	No. each			
2	Providing and fixing dual directional delinator conventional road beam (Indicator or impact) paistic black body of base 110*120mm and height 120 mm provision to fix over (or base to) curb stone with steel screws oblique surface 90*90 mm on both side laminated with high intensity prismetic yellow colour reflector CAT part no.GPL 30-20 make green lite including complete in all respect as per direction of Engineer in Charge through all modes of transport including all incidental charges.	440	No. Each			

Executive Engineer
 Shimla Rural Division
 HPPWD, Dhama

Sub 200.31

Schedule Of Quantity

Name Of Work :- R/R damages on Galog Nehra Okhroo road Km. 0/00 to 12/00 (SH:- C/O R/wall at Rd. 7/860 to 7/883)							Estimated Cost:- 4,97,242.00	
							Earnest Money:- 10000.00	
							Time:- One Months.	
S.No	Description of Work	No. of Qty.		Rate	In words	Unit	Amount	
				In figures				
1	2	3	4	5	6	7	8	
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. as per the direction of Engineer-In-Charge.	20.7	Cum			Per cubic metre		
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. as per the direction of Engineer-In-Charge. (For Structure as per drawing)	52.21	Cum			Per cubic metre		
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (1:5:10) (One cement : five sand : Ten Graded stone aggregate 40mm nominal size) and curing complete including the carriage of materials in all leads lifts as per the direction of Engineer-In-Charge.	130.41	Cum			Per cubic metre		
4	Back filling behind abutment, wing wall and return wall and retaining wall with granular material complete as per drawings and MORD technical specification Clause 1204.3.8 (One thousand Two Hundred Four point Three Point Eight) including carriage of materials with in all leads and lifts as per direction of the Engineer-In-Charge.	26.22	Cum			Per cubic metre		
5	Providing and laying 100mm dia metre PVC pipe for wheep holes complete of approved quality Including carriage of material within all leads and lifts.	34.00	Rmt.			Per Running Metre		
Total Rs.								

Executive Engineer
Shimla Rural DM's
Himachal Pradesh

Job No. 32

Schedule Of Quantity							Estimated Cost:- 4,54,740.00
Name Of Work :- C/O Kadrain Nalwan road km. 0/00 to 3/00 (Providing and Laying Soling WBM G-I, in km. 1/300 to 2/100)							Earnest Money:- 9100.00
							Time:- One Months.
S.No	Description of Work	No.of Qty.		Rate		Unit	Amount
				In figures	In words		
1	2	3	4	5	6	7	8
1	Preparation of sub grade by dressing to combor (Earth work for the cutting involved for sub-grade to be paid for separately depending upon the classification of soil completed as per HP.PWD specifications.	2860.00	Sqm			Per Square Metre	
2	Consolidation of sub grade with road roller including making good the undulation etc. with earth or quarry soil etc. and rerolling the sub-grade completed as per HP.PWD specifications	2860	Sqm			Per Square Metre	
3	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 1 as per Technical Specification Clause 404. By Mechanical Means	286.00	Cum			Per cubic metre	
Total Rs.							

Executive Engineer,
Shimla Rural Division,
HP, PWD, Dharni.

Job No. 33

Schedule Of Quantity							Estimated Cost:- 4,54,740.00
Name Of Work :- C/O Kadrain Nalwan road km. 0/00 to 3/00 (Providing and Laying Soling WBM G-I, in km. 2/200 to 3/00)							Earnest Money:- 9100.00
							Time:- One Months.
S.No	Description of Work	No. of Qty.		Rate		Unit	Amount
		3	4	In figures	In words		
1	2			5	6	7	8
1	Preparation of sub grade by dressing to combor (Earth work for the cutting involved for sub-grade to be paid for separately depending upon the classification of soil completed as per HP.PWD specifications.	2860.00	Sqm			Per Square Metre	
2	Consolidation of sub grade with road roller including making good the undulation etc. with earth or quarry soil etc. and rerolling the sub-grade completed as per HP.PWD specifications	2860	Sqm			Per Square Metre	
3	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80-100 kN static roller in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 1 as per Technical Specification Clause 404. By Mechanical Means	286.00	Cum			Per cubic metre	
Total Rs.							

Executive Engineer,
Shimla Rural Division,
HP, RWD, Dhami.

Job No. 36 Draft SCHEDULE OF QUANTITY

Description of work

Description of work		Figure		Words	Rs.		
Sl. No.			s				
Draft Shchedule of Quantity							
Name of work:-R.R.Damages on Khel Ka Chaunra to Baggi road KM 0/00 to 12/225(SH:-C/O R/wall in KM 9/205 to 9/215).							
Sr.No.				Estimated Cost: - Earnest Money: - Time limit: -	499018.00 10000.00 Two Month.		
1	Excavation in soil in Hilly Area by mechanical means including cutting and trimming of side slopes and disposing of excavated earth with in all lead and lift as per Technical Specification Clause 1603.1(one six zero three point one) and MORD specification including carriage of all labour equipment and materials to various location of site through all modes of transportations in all lead, lift and all incidental charges. all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosions, damage to hill side, water pollutions etc., and to protect stability of hill side rock work shall be executed with chiseling, wedging out rock, where blasting is prohibited). All earth work in excavation including rock excavation shall be carried out true to lines, grades, side slopes, width, camber super elevations and levels as shown on the drawing or as directed by the Engineer-in- Charge. Stacking of materials useful for construction at suitable sites and safe disposal of unserviceable cut materials in specified manners, trimming, filling of unevenness blindages and finishing of the road to specified dimensions as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with Earthwork in excavation for all type of road structures such as retaining wall, breast wall, culvert, drain and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rock chiseling / wedging out rocks (where blasting is prohibited). Dimesions and other particulars as per drawing and Technical Specification Clause' 305.1(Three hundred Five point One) including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and its disposal including dressing of sides and bottom and backfilling in trenches with excavate suitable material, trimming, filling of unevenness blindages and finishing of the road to specified dimensions. All work of excavation by blasting shall be carried out by taking all necessary precautions against soil erosions, damage to hill side, water pollutions etc., and to protect stability of hill side rock. Stacking of materials useful for construction at suitable sites and safe disposal of unserviceable excavated materials in specified manners to dumping site (to be arranged by the contractor) or as directed by the Engineer-in-Charge. Any loss to the public or private property during the course of execution shall be the sole responsibility of the Providing and Laying cement concrete 1:5:10 (one cement isto five sand isto ten graded stone aggregate 40mm) and mechanical mixed, vibrated and curing complete including the cost of farmwork for plain concrete in retaining walls, breast walls, the size of plum should be 150 to 300 mm as per drawing and HP.PWD technical / MORD specifications 800 & 1200 (eight zero zero & one two zero zero) & as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.	35.500	m3	Per Cubic metre			
2				34.100	m3	Per Cubic Met er	
3				117.600	m3	Per Cubic Met er	

Draft SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figure s	Words	
4	Backfilling of Granular material behind abutment, wing wall and return wall, breast walls, retaining walls and parapets up to all heights, depths and levels complete as per drawings and MORD technical specification clause 1204.3.8 (one thousand two hundred four point three point eight) including carriage of all labour equipment and materials to various location of site through all modes of transportations in all leads lifts and all incidental charges.	25.00 m3	Per Cubic Met			
5	Providing weep holes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 100mm (one hundred millimeter) dia PVC pipe extending through the full width of the structure with slope of 1:20 (One verticle isto twenty horizontal) towards drawing face complete as per drawing and MORD technical specification clause 614, 709, 1204.3.7(six hundred fourteen, seven hundred nine, one thousand two hundred four point three point seven) or as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.	31.70 met	Per Met er			

Executive Engineer
 Shimla Rural Division
 HPPW
 Dhami

Job No 35-

Schedule Of Quantity							Estimated Cost:- 4,99,908.00
Name Of Work :- A/R & M/O Shananghatti Dargi Sohal Panohi Katal road km. 0/00 to 12/225 (SH:- C/O B/wall at Rd. 4/480 to 4/495 below Govt. Sec. Sec. School Dargi Play Ground)							Earnest Money:- 10000.00
							Time:- One Months.
S.No	Description of Work	No. of Qty.	Rate In figures	In words	Unit	Amount	
1	2	3	4	5	6	7	8
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. as per the direction of Engineer-In-Charge.	41.6	Cum			Per cubic metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. as per the direction of Engineer-In-Charge. (For Structure as per drawing)	39	Cum			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (1:5:10) (One cement : five sand : Ten Graded stone aggregate 40mm nominal size) and curing complete including the carriage of materials in all leads lifts as per the direction of Engineer-In-Charge.	132.00	Cum			Per cubic metre	
4	Back filling behind abutment, wing wall and return wall and retaining wall with granular material complete as per drawings and MORD technical specification Clause 1204.3.8 (One thousand Two Hundred Four point Three Point Eight) including carriage of materials with in all leads and lifts as per direction of the Engineer-In-Charge.	25.20	Cum			Per cubic metre	
5	Providing and laying 100mm dia metre PVC pipe for wheep holes complete of approved quality Including carriage of material within all leads and lifts.	21.76	Rmt.			Per Running Metre	
Total Rs.							

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Executive Engineer
Shimla Rural Division
HPP
Dhami

Sub No. 36

Schedule Of Quantity							Estimated Cost:- 4,94,099.00
Name Of Work :- R/R damages on Newhat Nayaser road km. 0/00 to 4/450 (SH:- C/O R/wall at Rd. 2/198.50 to 2/217)							Earnest Money:- 10000.00
							Time:- One Months.
S.No	Description of Work	No. of Qty.	Rate	In figures	In words	Unit	Amount
1	2 Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. as per the direction of Engineer-In-Charge.	3 23.87	4 Cum	5	6	7 Per cubic metre	8
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. as per the direction of Engineer-In-Charge (For Structure as per drawing)	50.69	Cum			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (1:5:10) (One cement : five sand : Ten Graded stone aggregate 40mm nominal size) and curing complete including the carriage of materials in all leads lifts as per the direction of Engineer-In-Charge.	129.32	Cum			Per cubic metre	
4	Back filling behind abutment, wing wall and return wall and retaining wall with granular material complete as per drawings and MORD technical specification Clause 1204.3.8 (One thousand Two Hundred Four point Three Point Eight) including carriage of materials with in all leads and lifts as per direction of the Engineer-In-Charge.	23.31	Cum			Per cubic metre	
5	Providing and laying 100mm dia metre PVC pipe for wheep holes complete of approved quality Including carriage of material within all leads and lifts.	48.00	Rmt.			Per Running Metre	
			Total Rs.				

Executive Engineer
Shimla/Rural Divisi
H.P.W.D. Dhami

Job. No. 37

Schedule Of Quantity							Estimated Cost:- 4,94,099.00
Name Of Work :- R/R damages on Newhat Nayaser road km. 0/00 to 4/450 (SH:- C/O R/wall at Rd. 2/180 to 2/198.50)							Earnest Money:- 10000.00
							Time:- One Months.
S.No	Description of Work	No.of Qty.		Rate		Unit	Amount
				In figures	In words		
1	2	3	4	5	6	7	8
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. as per the direction of Engineer-In-Charge.	23.87	Cum			Per cubic metre	
2	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m. as per the direction of Engineer-In-Charge (For Structure as per drawing)	50.69	Cum			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :- (1:5:10) (One cement : five sand : Ten Graded stone aggregate 40mm nominal size) and curing complete including the carriage of materials in all leads lifts as per the direction of Engineer-In-Charge.	129.32	Cum			Per cubic metre	
4	Back filling behind abutment, wing wall and return wall and retaining wall with granular material complete as per drawings and MORD technical specification Clause 1204.3.8 (One thousand Two Hundred Four point Three Point Eight) including carriage of materials with in all leads and lifts as per direction of the Engineer-in-Charge.	23.31	Cum			Per cubic metre	
5	Providing and laying 100mm dia metre PVC pipe for wheep holes complete of approved quality Including carriage of material within all leads and lifts.	48.00	Rmt.			Per Running Metre	
Total Rs.							

Executive Engineer
Shirala Rural Divisi
HPI RD Dhami

Draft SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
7	Backfilling of Granular material behind abutment, wing wall and return wall, breast walls, retaining walls and parapets up to all heights, depths and levels complete as per drawings and MORD technical specification clause 1204.3.8 (one thousand two hundred four point three point eight) , including carriage of all labour equipment and materials to various location of site through all modes of transportations in all leads lifts and all	27.43 m ³	Per Square Meter			
8	Providing and laying flooring of Rubble stone laid in cement mortar 1:3 (one cement isto three sand) laid over cement concrete bedding complete as per drawing and MORD technical specification Clause 1303 (one three zero three) including carriage of all labour equipment and material to various location through all modes of transportation in all leads lifts and all incidental charges.	0.980 m ³	Per cubic meter			
9	Providing weep holes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 100mm (one hundred millimeter) dia PVC pipe extending through the full width of the structure with slope of 1:20 (One verticle isto twenty horizontal) towards drawing face complete as per drawing and MORD technical specification clause 614, 709, 1204.3.7(six hundred fourteen, seven hundred nine, one thousand two hundred four point three point seven) or as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.	42.00 m	Per Meter			

Executive Engineer
Shimla Rural Division
HPPW/Dhami