

Himachal Pradesh
Public Works Department

No. PW-SD-I-CTR- Tender-NIT/2021-22- 12429-30 Dated:- 6/9/2021

To

The Executive Engineer (IT Cell)
Nigam Vihar Shimla.

Subject :- Publication of Tender Notice.

Jai Hind

Enclosed please find herewith the tender Notice of work as given in the Notice Inviting tender for uploading on department website as per notification Pr. Secy. (PW) to the Govt. of Himachal Pradesh letter No. PBW (B)A(3)1/2020 dated Shimla-2 the 16th July 2021 as the works mentioned in the tender notice are urgent in nature and in public interest.

DA:- Notice Inviting Tender & Schedule of Quantity and Certificate.


Executive Engineer,
Shimla Division No-I.,
HPPWD, Shimla-3.

Copy forwarded to for further necessary action please.

1. The Superintending Engineer 4th Circle HPPWD Shimla .


Executive Engineer,
Shimla Division No-I.,
HPPWD., Shimla-3.

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT
NOTICE INVITING TENDERS

Executive Engineer B&R Division No-I HPPWD Shimla for the following works on behalf of the Government of Himachal Pradesh from the eligible contractors enlisted in HPPWD, so as to reach in the office as per time schedule given below:-

- | | |
|--|---------------------------|
| 1. Date of receipt of application for tender forms:- | 13-09-2021 |
| 2. Dated of Issue /sale of tender forms:- | 14-09-2021. |
| 3. Date of receipt of tender:- | 15-09-2021.up to 10:30 AM |
| 4. Date of opening of tender:- | 15-09-2021 up to 11:00 AM |

Sr. No.	Name of Work	Estimated cost	EMD(Rs.)	Cost of Tender (Rs.)	Time Limit	Eligible class of Contractor
1	Restoration of rain damages to various buildings under Kasumpti Sub Division Shimla -9 (SH;- Retaining wall work in cottage No.4 at Brock Hrurst Kasumpti Shimla-9).	87445/-	1800/-	350/-	60 days	Class-D
2	A/R & M/O various roads under Lakkar Bazar section in Shimla sub Division No.1 (SH;- Trimming of Grass and weeds from the shoulders/berms).	82418/-	1700/-	350/-	15 days	Class-D
3	A/R & M/O link road to HIPA km. 0/00 to 0/450 and link road from Chharabra to kalyani Helipad km. 0/00 to 1/200 (SH;- Maintenance of earthen shoulder Maintenance of Drain ,White Washing and Trimming of Grass, Between various Rds).	99955/-	2000/-	350/-	30 days	Class-D
4	SA/R & M/O to Mashobra Bhakhality road km. 0/00o 18/360 (SH;- Maintenance of Earthen shouldwer maintenance of Drain Culvert , White washing and Trimming of Grass, between Rd. 12/00 to 13/00).	78598/-	1600/-	350/-	30 days	Class-D
5	A/R & M/O Sadhora to Mohanpur road km. 0/00 to 6/525 (SH;- Maintenance of Earthen Shoulder, maintenance of Drain ,white washing and Trimming of Grass, between Rd. 0/00 to 2/00).	64940/-	1300/-	350/-	30 days	Class-D
6	A/R & M/O to old Kasumpti junga road km. 0/00 to 11/240 (SH;- C/O M.S Channel Railing between Rd. 1/220 to 1/250).	84538/-	1700/-	350/-	30 days	Class-D
7	A/R & M/O on Cheog to Dharech road km. 0/00 to 7/400 (SH;- C/O unlined surface drain ibn between km. 2/00 to 4/00).	99900/-	2000/-	350/-	30 days	Class-D
8	A/R & M/O on Cheog to Dharech road km. 0/00 to 7/400 (SH;- C/O unlined surface drain in between km. 0/00 to 2/00).	99900/-	2000/-	350/-	30 days	Class-D
9	A/R & M/O KSC road km. 145/00 to 149/00 & MRR via Lakkar bazaar km. 147/735 to 157/335 (SH;- Trimming of Grass and weeds from the shoulders/berms).	82418/-	1700/-	350/-	30 days	Class-D
10	C/O Bhatta Kuffer to Koti road km. 0/00 to 6/885 (SH;- C/O Edge wall and P/F Erecting WBM Crash Barrier in RD. 0/260 to 0/287).(Under Black spot).	463480/-	9300/-	350/-	Two Month	Class-D
11	A/R & M/O to Mashobra Bhakhality road km. 0/00 to 18/360 (SH;- Maintenance of Earthen Shoulder Maintenance of Drain Culvert and Trimming of Grass between Rd. 0/00 to 2/00).	136375/-	2800/-	350/-	One Month	Class-D
12	R/R Damages on KSC /MRR road via Chotta Shimla km. 145/100 to 152/090 (SH;- Providing and laying patch work at Rds between km. 145/100 to 152/090).	495126/-	10000/-	350/-	15 days	Class-D
13	R/R Damages on MRR road via Lakkar Bazar km. 147/825 to 153/075 (SH;- Providing and laying patch work at RDs. 147/825 to 153/075).	495126/-	10000/-	350/-	15 days	Class-D
14	R/R Damages on Dhalli Bye pass km. 0/00 to 3/775 (SH;- Providing and laying patch work at Rds. 0/00 to 3/775).	495126/-	10000/-	350/-	15 days	Class-D
15	R/R Damages on Kalyani Helipad km. 0/00 to 1/00 (SH;- Providing and laying patch work at Rds between km. 0/ to 1/00).I	255031/-	5100/-	350/-	15 days	Class-D

It is certified that the above works are required to be carried out immediately being emergent nature of work in public interest. The tender documents shall be issued only to those contractor/Firm who fulfill the following documents with the application.

1. The valid enlistment/Registration of contractor in Appropriate Class.
2. Permanent account No. (PAN NO).
3. G.S.T No.

4. Earnest Money in the shape of National saving certificate/time deposit account in the any of the post office in HP. F.D.R from any Nationalized Bank duly pleaded in favour of the Executive Engineer Shimla Division No-I HPPWD Shimla.
5. The earnest & cost of tender form for the above works should be submitted with the application for the purchase of the tender form . The application received without earnest money & cost of tender form shall summarily be rejected.
6. The officer of the tender shall remain valid up to 75 days after the opening of tender.
7. Ambiguous/telephonic /conditional tenders or tender by fax/E mail shall not be considered and will be summarily be rejected.
8. Executive Engineer reserve the right to reject or cancel any or all tenders without assigning any reasons.
9. If the date given above happens to be holiday the same shall be processed on next working day.
10. The Contractor/firms must quote their rates in words as well as in figures failing which EXN reserve the right to accept/reject any or all tenders.
11. The tender forms shall not be issued to those contractors/firms whose previous performance is not found satisfactory and who have not executed the previous awarded works within the stipulated period of completion.
12. One contractor shall not have more than two major works in hand at a time.
13. Work should be completed by the contractor within stipulated period.

No.PW-SD-I/CB-Tender/21-22-
Copy forwarded to :-

12431-60

1. Copy to the Deputy Commissioner Shimla Distt. Shimla.
2. The Superintending Engineer, 4th Circle, HPPWD ., Shimla-3 for information please.
3. Copy to the Executive Engineer Shimla Division No-III HPPWD Shimla.
4. Copy to the Sub Divisional Magistrate (U) Shimla.
5. Copy to the Sub Divisional Magistrate (R) Shimla.
6. Copy to Municipal committee Shimla Distt. Shimla.
7. Copy to Block Development officer Mashobra Dsitt. Shimla.
8. All the Assistant Engineers under this Division, HPPWD Shimla-3.
9. Superintendent / HDM /DAO.
10. Notice Board.

Executive Engineer,
Shimla Division No-I.,
HPPWD., Shimla-3.
Dated :- 6/9/2021

Executive Engineer,
Shimla Division No-I.,
HPPWD., Shimla.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.							Estimated Cost:- 87,445.00	
Name of Work :- Restoration of rain damages to various buildings under Kasumpti Sub-Division Shimla - 9 (SH: Retaining Wall work in cottage No.4 at Brock Hurst Kasumpti Shimla-9).							Earnest Money :- 1,800.00	
							Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate In figures	Estimated Rate In words	Unit	Amount	
1	Cutting in earth work in all heights/depthes and in all kinds of soil such as kankar, moorn, shingle & soft rock and hard rock including their intermediate classification and chiselling/ wedging out rock where blasting is prohibited including saturated soiland filling in embankment etc.where necessary and disposal of all excavated un-serviceable materials in all leads and lifts including through Mechanical Transportation the disposal of un-serviceable materials will be done in acquired width of the road or on approved dumping site.Any damage to the private/public property during execution will be restored by the contractor what so ever the nature of the same may be.The serviceable materials will be stacked to specified/ dimensions in all leads and lifts as per direction of the Engineer-in-Charge.	36.49	Cum			Per Cubic Metre		
2	Excavation in foundation, trenches etc. in earth work in all heights and depths in all kind of soils, including saturated soils comprising of pick work, jumper work and blasting wotj both in soft and hard rock with chiselling and wedging out of rock (where blasting is prohibited) and their intermediate classification of soils including dewatering wherever required ,setting out to required lines, levels as shown on the drawing and directed by the Engineer-in-Charge at site according to the HP PWD specification of 1990.(Jumper work)	3.48	Cum			Per Cubic Metre		
3	Providing and laying cement concrete 1:6:12 (One cement:Six sand : twelve graded stone aggregate 40 mm(forty millimetre) nominal size) and curing complete excluding cost of centring and shuttering including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge. (i)Foundation and plinth:	1.56	Cum			Per Cubic Metre		
4	Providing form work with steel plates (3.15mm) (three point fifteen millimetre) thick welded with angle iron in frame (30x30x5mm) (Thirty x thirty x 5 millimetre) so as to give a fair finish including centering, shuttering, strutting and propping etc., with wooden battens and ballies, height of propping and centering below supporting floor to ceiling not exceeding 4mtr.(Four metre) and removal of the same for insitu-reinforced concrete and plain concrete work including carriage of materials upto all leads and lifts and as per the direction of Engineer-in-Charge. (a) Vertical surfaces such as walls (any thickness) partitions and the like including attached pillars buttresses, plinth and string courses and the like.	20.85	Sqm			Per Square Metre		

5	Providing and laying cement concrete 1:3:6 (1 cement:3 sand:6 graded stone aggregate 40mm nominal size) excluding cost of centring and shuttering including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. i) Foundations and plinth	23.56	Cum		Per Cubic Metre	
6	Providing weapholes in brick masonry / stone masonry /plain reinforced concrete abutment, wing wall, return wall with 100 mm(One hundred milimetre) 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 clauses 614, 709, 1204.3.7 including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	10.00	Rmt		Per Running Metre	
7	Backfilling behind abutment, wing wall and return wall complete as per specification clause 1204.3.8 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) Granular material.	1.20	Cum		Per Cubic Metre	
8	Disposal of surplus earth complete including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	39.97	Cum		Per Cubic Metre	
					Total	


 Executive Engineer,
 Shimla Division No.I,
 HP PWD Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.					Estimated Cost:- 82,418.00	
Name of Work :- A/R & M/O various roads under Lakkar Bazar section in Shimla Sub-Division No.I (SH: Trimming of Grass and weeds from the shoulders/berms)					Earnest Money :- 1,700.00	
					Time:- 15 Days.	
Sr. No	Description of Work / Item (S)	No.of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Trimming of grass and weeds from the shoulders/ berms and disposing off the same to suitable locations as per technical specifications Clause 1914 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	24975.00	Sqm		Per Square Metre	
					Total	


 Executive Engineer,
 Shimla Division No.1.
 HP PWD Shimla-3.

SCHEDULE OF QUANTITY

Name of work:- A/R & M/O Link Road to HIPA Km 0/00 to 0/450 and Link Road from Chharabra to Kalyani Helipad Km. 0/00 to 1/200 (SH:- Maintenance of Earthen Shoulder, Maintenance of Drain, White Washing and Trimming of Grass, Between Varios RDs)

Estimated Cost -Rs99955/- only

Earnest Money : Rs. 2000/-Only

Time - 30 Days

S. No.	Sub head and items of work	Qty.	Rate		Unit	Amount
			In figure	In words		
1	2	3			6	7
1	Maintenance of Earthen Shoulder(Fillingwith fresh selected soil) Making up loose Materials/ irregularities on shoulders to the desion level by adding fresh approved slected soil and compacting it with appropriate equipment at OMC up to a lead of 1000 metre as per technical specifications Clause1603	2310.00	cum		Per square metre	
2	Maintenance of drains including erosion, reoarir, clearing. Cleaning, reshaping, regrading,deepening of side drain as well as per Technical specification Clause 1907 including carriage of materials within all leads and lifts as per the direction of Engineer-In-Charge.	1650.00	Rmt		Per Running Metre	
3	Trimming of Grass from the sholders/ Berms and disssposing of the same to suitable location as per the technical specification Clause 1914 including carriage of materials within all leads and lifts as per the direction of Engineer-In-Charge.	4785.00	Sqm.		Per Square Metre	
4	White Washing Two Coats on Parapet walla and tree trunks including preparation of Surface by cleaning scraping etc. As per technical specifications Clause 1915 including carriage of materials within all leads and lifts as per the direction of Engineer-In-Charge.	360.00	Sqm.		Per Square Metre	
					Total	


 Executive Engineer,
 Shimal Division No.1
 HP,PWD, Shimla-3


SCHEDULE OF QUANTITY

Estimated Cost -Rs78598/- only

Earnest Money : Rs. 1600/-Only

Time - 30 Days

Name of work:- A/R & M/O to Mashobra Bhakhality Road Km 0/00 to 18/360 (SH:-
Maintenance of Earthen Shoulder, Maintenance of Drain, Culvert, White Washing and Trimming
of Grass, Between RD 12/00 to 13/00).

S. No.	Sub head and items of work	Qty.	Rate		Unit	Amount
			In figure	In words		
1	2	3			6	7
1	Maintenance of Earthen Shoulder(Fillingwith fresh selected soil) Making up loose Materials/ irregularities on shoulders to the desion level by adding fresh approved selected soil and compacting it with appropriate equipment at OMC up to a lead of 1000 metre as per technical specifications Clause1603	1800.00	cum		Per square metre	
2	Maintenance of drains including erosion, reoar, clearing, Cleaning, reshaping, regrading, deepening of side drain as well as per Technical specification Clause 1907 including carriage of materials within all leads and lifts as per the direction of Engineer-In-Charge.	1000.00	Rmt		Per Running Metre	
3	Maintenance of Hume Pipe Culvert by way of Cleaning, Erosion repair, repairs to Cracks, parapet wall and protection work as per drawing and technical specification Clause 1908 including carriage of materials within all leads and lifts as per the direction of Engineer-In-Charge.	4.00	Nos		Each	
4.	Trimming of Grass from the sholders/ Berms and dispossing of the same to suitable location as per the technical specification Clause 1914 including carriage of materials within all leads and lifts as per the direction of Engineer-In-Charge.	1500.00	Sqm.		Per Square Metre	
5	White Washing Two Coats on Parapet walla and tree trunks including preparation of Surface by cleaning scraping etc. As per technical specifications Clause 1915 including carriage of materials within all leads and lifts as per the direction of Engineer-In-Charge.	340.20	Sqm.		Per Square Metre	
					Total	

Executive Engineer,

Shimal Division No.1

HP,PWD, Shimla

SCHEDULE OF QUANTITY

Name of work:- A/R & M/O Sadhora to Mohanpur Road Km 0/00 to 6/525 (SH:- Maintenance of Earthen Shoulder, Maintenance of Drain ,White Washing and Trimming of Grass, Between RD. 0/00 to 2/00)

Estimated Cost -Rs64940/- only

Earnest Money : Rs. 1300/-Only

Time - 30 Days

S. No.	Sub head and items of work	Qty.	Rate		Unit	Amount
			In figure	In words		
1	2	3			6	7
1	Maintenance of Earthen Shoulder(Fillingwith fresh selected soil) Making up loose Materials/ irregularities on shoulders to the desion level by adding fresh approved slected soil and compacting it with appropriate equipment at OMC up to a lead of 1000 metre as per technical specifications Clause1603	1800.00	cum		Per square metre	
2	Maintenance of drains including erosion, repair, clearing. Cleaning, reshaping, regrading,deepening of side drain as well as per Technical specification Clause 1907 including carriage of materials within all leads and lifts as per the direction of Engineer-In-Charge.	900.00	Rmt		Per Running Metre	
3	Trimming of Grass from the sholders/ Berms and dissposing of the same to suitable location as per the technical specification Clause 1914 including carriage of materials within all leads and lifts as per the direction of Engineer-In-Charge.	1350.00	Sqm.		Per Square Metre	
4	White Washing Two Coats on Parapet walla and tree trunks including preparation of Surface by cleaning scraping etc. As per technical specifications Clause 1915 including carriage of materials within all leads and lifts as per the direction of Engineer-In-Charge.	141.75	Sqm.		Per Square Metre	
					Total	

Executive Engineer,
Shimal Division No.1
HP,PWD, Shimla

3

SCHEDULE OF QUANTITY

Name of work: -A/R & M/O to Old Kasumpti Junga Road km. 0/00 to 11/200(SH:-C/O **M.S. Sharma**) Estimated Cost: -Rs 84538/- only
Sharma Railing Between Rd. 1/220 to 1/250) Earnest Money : Rs. 1700/-Only
Time - One Month

S N o.	Sub head and items of work	Qty.	Rate		Unit	Amount
			In figure	In words		
1	2	3			6	7
1	Demolition of stone masonry below G.L. upto 1.5 Metres depth including stacking of serviceable materials and disposal of un-serviceable materials within all leads and lifts as per directions of the Engineer-in-Charge	1.00	Cum		Per Cubic Metre	
2	Providing and laying concrete Mechanically mixed and vibrated P.C.C. M-10 nominal mix 1:3:6 (1 cement : three sand : six graded stone aggregate forty millimetre nominal size for plain /reinforced concrete in open foundation and plinths or similar works complete as per drawings and technical specifications MORD clause 802, 803, 1202 & 1203 and curing complete including the cost of form work and hauling of materials in all leads and lifts as per the same satisfaction and direction of Engineer-In-Charge.	1.00	Cum		Per Cubic Metre	
3	Steel work welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of red lead paint. including carriage of materials within all leads and lifts :- (a) In gratings framed guard bars, ladders, railing, brackets and similar works.	7.49	Qtl		Per Quintel	
4	Painting two coats (excluding priming coat) on new steel and other metal surfaces with enamel paint other than White brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter including carriage of materials within all leads and lifts :-	45.00	Sqm		Per Square Metre	
					Total	


Executive Engineer,
Shimal Division No.1
HP, PWD, Shimla-3

Name of work: -A/R & M/O on Cheeg to Dharech Road km. 0/00 to 7/400(SH:-C/O unlined surface drain in between Km. 2/00 to 4/00)

Earnest Money : Rs.2000/-Only

S.	Sub head and items of work
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S. No.	Sub head and items of work	Qty.	Rate	Unit	Amount
			In figure	In words	
1	Construction of unlined surface drain of average cross-sectional area 0.4 sqm in ordinary rock to specified lines, grades, levels and dimensions as per approved design and Technical Specification Clause 307. Excavated material to be used in embankment at site, including Carriage of materials with in all leads and lifts and as per direction by the Engineer-In-Charge	1996.00	Rmt		Per Running Metre
					Total

Executive Engineer,
Shimal Division No.1
HP, PWD, Shimla-3

SCHEDULE OF QUANTITY

Name of work: -A/R & M/O on Cheog to Dharech Road km. 0/00 to 7/400(SH:-C/O unlined surface drain in between Km. 0/00 to 2/00)

Estimated Cost: -Rs.99900/- only
Earnest Money : Rs 2000/-Only
Time - One Month

Sub head and items of work		Qty.	Rate	In figure	In words	Unit	Amount
1	2	3				6	7
1	Construction of unlined surface drain of average cross-sectional area 0.4 sqm in ordinary rock to specified lines, grades, levels and dimensions as per approved design and Technical Specification Clause 307. Excavated material to be used in embankment at site. including Carriage of materials with in all leads and lifts and as per direction by the Engineer-In-Charge	1996.00	Rmt			Per Running Metre	
						Total	

Executive Engineer,
Shimal Division No.1
HP,PWD, Shimla-B

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.				Estimated Cost:-82,418.00		
Name of Work :- A/R & M/O KSC road Km.145/100 to 149/00 & MRR via Lakkar Bazar Km.147/735 to 157/335 (SH: Trimming of Grass and weeds from the shoulders/berms)				Earnest Money :- 1,700.00		
				Time:- 15 Days.		
Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Trimming of grass and weeds from the shoulders/ berms and disposing off the same to suitable locations as per technical specifications Clause 1914 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.	24975.00	Sqm		Per Square Metre	
					Total	


 Executive Engineer,
 Shimla Division No.I,
 HP PWD Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.					Estimated Cost:- 4,63,480.00	
Name of work:- C/O Bhatta Kuffer to Koti Road Km.0/00 to 6/885 (SH: C/O Edge Wall and P/F Erecting					Earnest Money :- 9,300.00	
WBM Crash Barrier in RD. 0/260 to 0/267) (Black Spot)					Time:- 60 Days.	
Sr. No	Description of Work / Item (S)	No. of Qty.	Estimated Rate		Unit	Amount
			In figures	In words		
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m (One point five metre) in width or 10 sqm (ten Square Metre) on plan) in all kinds of soil. including dressing of sides and ramming of bottoms including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal in all leads and lifts including dressing of sides and bottom and back filling in trenches with excavated suitable materials. All work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion damage to hill side water pollution etc. and to protect stability of hill side rock shall be excavated with chiseling and wedging out rock (where blasting is prohibited) all earth work in cutting/ excavation including rock excavation shall be carried out true to lines grades, side slopes, width , camber super elevation and level as shown on the drawings or as directed by the Engineer-in-charge hauling and stacking of materials useful for construction at suitable sites and safe disposal of unsuitable cut materials in specified dimension or as directed by the Engineer-in-Charge. If the foundation of the structure is in an area with stagnant water or water is met with in the excavation due to spring seepage rain and other causes it shall be remove by suitable diversion bailing out or pumping as directed and the area of the foundation or embankment shall be kept dry. All the surplus excavated earth to be dumped at dumping site(dumping sites will be arranged by the contractor on his own cost).Any loss to the public or private property during the course of excavation shall be the sole responsibility of the contractor which shall have to be dully compensated by him at his on cost in all cases. including carriage of materials in all leads and lifts as per the directions of the Engineer-in-Charge.	43.30	Cum		Per Cubic Metre	
2	Providing and Fixing Single "W" Metal beam crash barrier comprising of cold formed W profiled section having thickness of 3 mm (three millimetre)(uncoated thickness) with frame width of 311 mm(three hundred eleven millimetre) depth 83 mm (eighty three millimetre)and length 4318 mm (four thousand three hundred eighteen millimetre) (made of ISI marked HR coil conforming to IS : 5986/2011) . to be fixed on cold formed channel section post of size 150x75x5 mm (One hundred fifty into seventy five into five millimetre)(Made from ISI marked Hr Coils conforming to IS 5986/2011) spaced 1.50 metre(one point five zero metre) centre to centre of the post which will be of total height of 1.80 metre(One point eight zero metre) with its height of 1.1 metre(One point one metre) below ground level and 0.70 metre(zero point seven zero metre) above ground level. Metal beam rail to be fixed on the vertical post with spacer channel of cold formed channel section size 150x75x5 mm and 330 mm(One hundred fifty into seventy five into five millimetre) and (three hundred thirty millimetre) long (made from ISI Marked HR coils conforming to IS : 5986/2011) , All the above components shall - conform to clause 810 of MORTH & H specifications including all fittings required for erection on road side W-Beams, Posts , Spacers shall be hot dip galvanised with Zinc coating of 550 gm/Sqm(five hundred fifty gram/swquare metre). All bolts , nuts and washers shall be hot dip galvanised to IS :1367 pt-XIII/1983 (Reaffirmed 2011) for bolts and IS 14394/1996 (reaffirmed 2011) for nuts including carriage of materials in all leads and lifts as per the direction of Engineer-in- charge.	27.00	Rmt		Per Running 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 including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) 1:2:4 (One cement : two coarse sand) : four graded stone aggregate 20 mm(twenty milimetre) nominal size)	4.23	Cum		Per Cubic Metre	
4	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge.(i) 1:4:8 (one Cement : four coarse sand) : eight graded stone aggregate 20 mm(twenty milimetre) nominal size)	63.48	Cum		Per Cubic Metre	
5	Centering and shuttering including strutting, propping etc. and removal of form for including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (i) Foundations, footings, bases of columns, etc. for mass concrete	70.68	Sqm		Per Square Metre	
					Total	


 Executive Engineer,
 Shimla Division No.I,
 HP PWD Shimla-3.

SCHEDULE OF QUANTITY

Name of work:- A/R & M/O to Mashobra Bhakhality Road Km 0/00 to 18/360 (SH:- Maintenance of Earthen Shoulder, Maintenance of Drain, Culvert and Trimming of Grass Between RD 0/00 to 2/00):				Estimated Cost: -Rs136375/- only		
				Earnest Money : Rs. 2800/-Only		
				Time - 30 Days		
S. No.	Sub head and items of work	Qty.	Rate	In figure	In words	Unit
						Amount
1	2	3				6
1	Maintenance of Earthen Shoulder(Fillingwith fresh selected soil) Making up loose Materials/ irregularities on shoulders to the design level by adding fresh approved selected soil and compacting it with appropriate equipment at OMC up to a lead of 1000 metre as per technical specifications Clause1603	3600.00	cum			Per square metre
2	Maintenance of drains including erosion, repair, clearing, reshaping, regrading,deepening of side drain as well as per Technical specification Clause 1907 including carriage of materials within all leads and lifts as per the direction of Engineer-In-Charge.	2000.00	Rmt			Per Running Metre
3	Maintenance of Hume Pipe Culvert by way of Cleaning, Erosion repair, repairs to Cracks, parapet wall and protection work as per drawing and technical specification Clause 1908 including carriage of materials within all leads and lifts as per the direction of Engineer-In-Charge.	8.00	Nos			Each
4	Trimming of Grass from the sholders/ Berms and dissposing of the same to suitable location as per the technical specification Clause 1914 including carriage of materials within all leads and lifts as per the direction of Engineer-In-Charge.	2000.00	Sqm.			Per Square Metre
						Total


 Executive Engineer,
 Shimla Division No.1
 HP,PWD, Shimla-3

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.							Estimated Cost:- 4,95,129.00	
NAME OF WORK:- R/R Damages on KSC/MRR road via Chotta Shimla Km. 145/100 to 152/090 (SH: Providing and laying Patch work at various RDs. between Km. 145/100 to 152/090)							Earnest Money :- 10,000.00	
Time:- 15 Days								
Sr. No	Description of Work / Item (S)	No. of Qty.		Estimated Rate		Unit	Amount	
				In figures	In words			
1	Providing and applying tack coat using bitumen emulsion conforming to IS:8887, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom on bituminous surface @ 0.25 Kg./Sq.m including carriage of materials in all leads and lifts as per direction by the Engineer-in-Charge.	1000.00	Sqm			Per Square Metre		
2	Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge. (a) 30mm (thirty millimetre) thick compacted thickness with bitumen of grade VG-10(ten) @ 5.5% (five point five percent) (percentage by weight of total mix) and lime filler @ 3%(three percent) (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity including carriage of materials in all leads and lifts as per direction by the Engineer-in-Charge. The work should be executed as per Job Mix Formula approved by the department. The rate should be Quated accordingly Nothing extra shall be applicable on this account	30.00	Cum			Per Cubic Metre		
3	Providing and laying Bitumen Penetration Macadam with hard stone aggregate of quality, size and grading as specified, with bitumen of suitable penetration grade, including required key aggregate as specified, spreading coarse aggregate with the help of self propelled/ tipper tail mounted aggregate spreader and applying bitumen by a pressure distributor and then spreading key aggregate with the help of aggregate spreader complete, including consolidation with road roller of minimum 8 to 10 tonne capacity to achieve specified values of compaction and surface accuracy including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) For 50mm (fifty millimetre) compacted thickness using coarse aggregate of size 50-20mm (fifty-twenty millimetre) graded @ 0.60 (zero point six zero) cum per sqm key aggregate of size 12.5mm (twelve point five millimetre) graded @ 0.15 (zero point one five) cum per 10 (ten) sqm. With paving asphalt grade VG-10(Ten)@ 50 kg./10 Sqm.	13.737	Cum			Per Cubic Metre		
						Total		


 Executive Engineer,
 Shimla Division No.I,
 HP PWD Shimla-3.

SCHEDULE OF QUANTITY

SCHEDULE OF QUANTITY						
Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.			Estimated Cost:- 4,95,129.00			
NAME OF WORK:- R/R Damages on MRR road via Lakkar Bazar Km.147/825 to 153/075 (SH: Providing and laying Patch work at various RDs.between Km. 147/825 to 153/075)			Earnest Money :- 10,000.00			
			Time:- 15 Days			
Sr. No	Description of Work / Item (S)	No.of Qty.	Estimated Rate	Unit	Amount	
			In figures			In words
1	Providing and applying tack coat using bitumen emulsion conforming to IS:8887, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom on bituminous surface @ 0.25 Kg./Sqm including carriage of materials in all leads and lifts as per direction by the Engineer-in-Charge.	1000.00	Sqm	Per Square Metre		
2	Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge.(a) 30mm (thirty millimetre) thick compacted thickness with bitumen of grade VG-10(ten) @ 5.5% (five point five percent) (percentage by weight of total mix) and lime filler @ 3%(three percent) (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity including carriage of materials in all leads and lifts as per direction by the Ebngeener-in-Charge. The work should be executed as per Job Mix Formula approved by the department. The rate should be Quated accordingly Nothing extra shall be applicable on this account.	30.00	Cum	Per Cubic Metre		
3	Providing and laying Bitumen Penelration Macadam with hard stone aggregate of quality, size and grading as specified, with bitumen of suitable penetration grade, including required key aggregate as specified, spreading coarse aggregate with the help of self propelled/ tipper tail mounted aggregate spreader and applying bitumen by a pressure distributor and then spreading key aggregate with the help of aggregate spreader complete, including consolidation with road roller of minimum 8 to 10 tonne capacity to achieve specified values of compaction and surface accuracy including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) For 50mm (fifty millimetre) compacted thickness using coarse aggregate of size 50-20mm (fifty-twenty millimetre) graded @ 0.60 (zero point six zero) cum per sqm key aggregate of size 12.5mm (twelve point five milimetre) graded @ 0.15 (zero point one five) cum per 10 (ten) sqm. With paving asphalt grade VG-10(Ten)@ 50 kg./10 Sqm.	13.737	Cum	Per Cubic Metre		
					Total	


 Executive Engineer,
 Shimla Division No.I,
 HP PWD Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.				Estimated Cost:- 4,95,129.00	
NAME OF WORK:- R/R Damages on Dhalli Bye Pass Km.0/00 to 3/775 (SH: Providing and laying Patch work at various RDs.between Km. 0/00 to 3/775)				Earnest Money :- 10,000.00	
				Time:- 15 Days	
Sr. No	Description of Work / Item (S)	No.of Qty.	Estimated Rate	Unit	Amount
			In figures		
1	Providing and applying tack coat using bitumen emulsion conforming to IS:8887, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom on bituminous surface @ 0.25 Kg./Sqm including carriage of materials in all leads and lifts as per direction by the Engineer-in-Charge.	1000.00	Sqm	Per Square Metre	
2	Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge.(a) 30mm (thirty millimetre) thick compacted thickness with bitumen of grade VG-10(ten) @ 5.5% (five point five percent) (percentage by weight of total mix) and lime filler @ 3%(three percent) (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity including carriage of materials in all leads and lifts as per direction by the EEngineer-in-Charge. The work should be executed as per Job Mix Formula approved by the department. The rate should be Quated accordingly Nothing extra shall be applicable on this account.	30.00	Cum	Per Cubic Metre	
	Providing and laying Bitumen Penelration Macadam with hard stone aggregate of quality, size and grading as specified, with bitumen of suitable penetration grade, including required key aggregate as specified, spreading coarse aggregate with the help of self propelled/ tipper tail mounted aggregate spreader and applying bitumen by a pressure distributor and then spreading key aggregate with the help of aggregate spreader complete, including consolidation with road roller of minimum 8 to 10 tonne capacity to achieve specified values of compaction and surface accuracy including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) For 50mm (fifty millimetre) compacted thickness using coarse aggregate of size 50-20mm (fifty-twenty millimetre) graded @ 0.60 (zero point six zero) cum per sqm key aggregate of size 12.5mm (twelve point five milimetre) graded @ 0.15 (zero point one five) cum per 10 (ten) sqm. With paving asphalt grade VG-10(Ten)@ 50 kg./10 Sqm.	13.737	Cum	Per Cubic Metre	
					Total


 Executive Engineer,
 Shimla Division No.I,
 HP PWD Shimla-3.

SCHEDULE OF QUANTITY

Tender Inviting Authority : EXECUTIVE ENGINEER SHIMLA DIVISION No-I, H.P.P.W.D., SHIMLA-3.				Estimated Cost:- 2,56,684.00	
NAME OF WORK:- R/R Damages to Kalyani Helipad road Km.0/00 to 1/00 (SH: Providing and laying Patch work between RD. 0/00 to 1/00)				Earnest Money :- 5,200.00	
				Time:- 15 Days	
Sr. No	Description of Work / Item (S)	No.of Qty.	Estimated Rate	Unit	Amount
			In figures		
1	Providing and applying tack coat using bitumen emulsion conforming to IS:8887, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom on bituminous surface @ 0.25 Kg./Sqm including carriage of materials in all leads and lifts as per direction by the Engineer-in-Charge.	600.00	Sqm	Per Square Metre	
2	Providing and laying Bituminous concrete using crushed stone aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site by tippers, laying with paver finisher equipped with electronic sensor to the required grade, level and alignment and rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction and density as per specification, complete and as per directions of Engineer-in-Charge.(a) 30mm (thirty millimetre) thick compacted thickness with bitumen of grade VG-10(ten) @ 5.5% (five point five percent) (percentage by weight of total mix) and lime filler @ 3%(three percent) (percentage by weight of Aggregate) prepared in Batch Type Hot Mix Plant of 100-120 TPH capacity including carriage of materials in all leads and lifts as per direction by the Ebngeineer-in-Charge. The work should be executed as per Job Mix Formula approved by the department. The rate should be Quated accordingly Nothing extra shall be applicable on this account	18.00	Cum	Per Cubic Metre	
3	Providing and laying Bitumen Penelration Macadam with hard stone aggregate of quality, size and grading as specified, with bitumen of suitable penetration grade, including required key aggregate as specified, spreading coarse aggregate with the help of self propelled/ tipper tail mounted aggregate spreader and applying bitumen by a pressure distributor and then spreading key aggregate with the help of aggregate spreader complete, including consolidation with road roller of minimum 8 to 10 tonne capacity to achieve specified values of compaction and surface accuracy including carriage of materials in all leads and lifts as per directions of the Engineer-in-Charge. (a) For 50mm (fifty millimetre) compacted thickness using coarse aggregate of size 50-20mm (fifty-twenty millimetre) graded @ 0.60 (zero point six zero) cum per sqm key aggregate of size 12.5mm (twelve point five millimetre) graded @ 0.15 (zero point one five) cum per 10 (ten) sqm. With paving asphalt grade VG-10(Ten)@ 50 kg./10 Sqm.	4.00	Cum	Per Cubic Metre	
					Total


 Executive Engineer,
 Shimla Division No.I,
 HP PWD Shimla-3.