

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No:- PW-NHD-HMR-GA-NIT/2023-24 7245-46
To

Dated: 30/11/2023

The Executive Engineer, (IT Cell),
Nigam Vihar HP Shimla- 02.

Subject:- Publication of Notice Inviting Tenders.

Enclosed Please find herewith the tender notice for the works mentioned in notice inviting tender for uploading on departmental website. The works mentioned in the tender notice are of urgent nature and invited keeping in view public interest. These tenders are invited to repair the road surface damaged due to heavy rains during monsoon 2023 and to keep the road traffic worthy and providing good Riding Quality to road users.

Executive Engineer,
NH Division, HPPWD,
Hamirpur

✓ Copy to the Superintending Engineer National Highway Circle HP, PWD.,
Shahpur for information please.

Executive Engineer,
NH Division, HPPWD,
Hamirpur

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

Sealed Tenders on item rate basis are hereby invited on behalf of Governor of H.P. by **Executive Engineer, NH Division, HPPWD, Hamirpur (H.P)** from the experienced contractor/ firms enlisted in appropriate class with HPPWD for the following works. The tender shall be received in this office on **11.12.2023** upto **11.00 A.M** and the same shall be opened on the same day at **11:30 A.M.** in the presence of Contractor/Firms or their authorized/representatives who wish to be present at the time of opening of tender. The application for issue of tender document shall be received on dated **07.12.2023** upto **4:00 P.M.** on cash payment (Non-Refundable) and tender document will be issued on **08.12.2023** upto **5:00 P.M.** If the office happens to be closed on the scheduled date the tender form document will be sold/ opened on the next working day at the same time and venue.

Sl	Name of work	Estimated cost	Earnest money	Time allowed	Cost of form
1.	Annual repair and Maintenance on NH 503Extn Km 19/0 to 44/700 (SH:- construction of U-shape drain fully covered with RCC slab in between Km. 33/360 to 33/425 (LHS).	478756.00	10000.00	One Month	350/-
2.	Annual repair and Maintenance on NH 503Extn Km 19/0 to 44/700 (SH:- construction of U-shape drain fully covered with RCC slab in between Km. 33/425 to 33/490 (LHS).	478756.00	10000.00	One Month	350/-
3.	Annual repair and Maintenance on NH 503Extn Km 19/0 to 44/700 (SH:- construction of U-shape drain fully covered with RCC slab in between Km. 33/490 to 33/525(LHS)and in km. 41/782 to 41/802 (RHS)	425890.00	9000.00	One Month	350/-
4.	Annual repair and Maintenance on NH 503 Extn km 19/0 to 44/700. (SH:-Construction of edge wall and crash barrier in Km. 19/350 to 19/398.50 (L.H.S).	498246.00	10000.00	One Month	350/-
5.	Annual repair and Maintenance on NH 503A Km 0/0 to 70/0 (SH:- Construction of Retaining wall in km. 61/748 to 61/756 (RHS) and Breast wall in Km. 61/735 to 61/745 (LHS)	353756.00	7100.00	One Month	350/-
6.	Annual repair and Maintenance on NH 70(New NH-03) Km 58/400 to 114/0 (SH:- Hiring of Labour/ Tipper for removal of slips in Km. 58/400 to 85/0	496350.00	10000.00	One Month	350/-
7.	Annual repair and Maintenance on NH- 503A Km 0/0 to 70/0 (SH:- Dressing of berms in Km. 38/0 to 39/700)	146895.00	3000.00	One Month	350/-
8.	Annual repair and Maintenance on NH- 503 Extn. Km 28/0 to 44/700 (SH:- Dressing of berms at various locations in Km. 28/0 to 43/0)	149800.00	3000.00	One Month	350/-
9.	Annual repair and maintenance on NH 20A (New NH 503) Km 39/00 to 91/00 (SH:- Construction of Retaining wall at RD 83/283 to 83/303 (RHS).	270550.00	5500.00	One Month	350/-
10.	Annual repair and maintenance on NH 20A (New NH 503) Km 39/00 to 91/00 (SH:- Construction of Retaining wall at RD 66/373.5 to 66/380 (LHS) along with Parapets Near Dhaliara.,	493276.00	10000.00	One Month	350/-
11.	Annual repair and maintenance on NH 20A (New NH 503) Km 39/00 to 91/00 (Sub Head :- Providing and laying of Interlocking Paver Blocks 80 mm thick in km 59/810 to 59/870 (LHS).	498625.00	10000.00	One Month	350/-
12.	Annual repair and maintenance on NH 20A (New NH 503) Km 39/00 to 91/00 (Sub Head :- Providing and laying of Interlocking Paver Blocks 80 mm thick in km 59/750 to 59/810 (LHS).	498625.00	10000.00	One Month	350/-
13.	REPAIR AND MAINTENCE OF A.E. OFFICE AT DEHRA ON NH-20A(NEW NH-503)(SH:- LAYING THE PAVER BLOCK IN OFFICE YARD, BRICK WORK, PLASTER WORK PAINT WORK AND ROOFING FOR VERANDAH AND P/L PVC PANELING)	484029.00	10000.00	One Month	350/-
14.	Annual repair and maintenance on NH 20A (New NH 503) Km 39/00 to 91/00 (SH:- Construction of Retaining wall at RD 51/686.5 to 51/705.5 (LHS) Near Mangarh.	375275.00	7500.00	One Month	350/-
15.	Annual repair and maintenance on NH 20A (New NH 503) Km 39/00 to 91/00 (SH:- Construction of Retaining wall at RD 51/670 to 51/686 (LHS) Near Mangarh.	452425.00	9500.00	One Month	350/-
16.	Repair of Rain Shelter on NH-20A (New NH-503) at RD 59/700 (LHS) near NH sub Division Dehra.	241829.00	5000.00	One Month	350/-
17.	Annual repair and Maintenance on NH 503 Extn Km 0/0 to 19/0 (SH:- Providing and fixing overhead cantilever Gantry board made up of high intensity micro prismatic retro reflective sheeting type-IV over 2mm thick aluminium sheet 6000 x 1500 mm span (single side board) at baduhi km 13/780 (LHS)	394651.00	8000.00	One Month	350/-
18.	Annual repair and maintenance on NH-20A (New NH-503) km. 39/00 to 91/00 (SH:- Supply and Installation of Digital Photocopier Machine in National Highway Division office Hamirpur.	134520.00	3000.00	One Month	350/-

Draft notice inviting specification special conditions can be seen in this office on any working day between 11:00 AM to 4:00 PM ambiguous Telegraphic conditional tenders by fax shall not be entertained/considered in any case. The contractors/firms are requested to insert the rate of each item in words as well as in figure, failing which Executive Engineer, reserves the right to accept/reject any or all tenders. The intending contractors/firms are requested to see the site of work before submitting the tenders. All the application must accompany with the Earnest Money in the shape of call at deposit N.S.C. purchased from any post office in H.P. FDR from any nationalized bank duly pledged in favour of Executive Engineer. The application without earnest money will not be entertained and out rightly rejected.

CONDITIONS: - The following document are required to be attached with the application: -

- 1 A copy of valid enlistment and renewal certificate.
- 2 A copy of GST.
- 3 Any other information as desired by the Executive Engineer. Any application not accompanied by above documents shall not be entertained. The tender shall be issued to those contractors/firms who are found eligible, suitable and competent. The decision of the Executive Engineer, regarding suitability, eligibility and competence of the contractor/firm applying for issue of tenders shall be final. In case, of any information supplied by the contractor/firm, is found false at any stage the tender is liable to be rejected and action taken against contractor/firm.

Executive Engineer,
NH Division, HPPWD
Hamirpur.

NO.PW-NHD-HMR-GA-TENDER/2023-24

71247-53

DATED: - 30/11/2023

COPY FORWARDED TO THE FOLLOWING for information please:

- 1 The Engineer-in-Chief, HPPWD, Shimla-I
- 2 The Chief Engineer (NH), HPPWD, Shimla-I.
- 3 The Superintending Engineer, N.H. Shahpur B&R Hamirpur
- 4 All the Executive Engineer, NH B&R in District Hamirpur
- 5 All the Assistant Engineer, N.H. Sub Division under this Division B&R in District Hamirpur
- 6 The contractor association District Hamirpur Una Kangra Mandi Bilaspur
Drawing Branch Account Branch Notice Board of this office.

Executive Engineer,
NH Division, HPPWD
Hamirpur.

SCHEDULE OF QUANTITY

Name of work :- Annual repair and Maintenance on NH 503Extn Km 19/0 to 44/700 (SH:- construction of U-shape drain fully covered with RCC slab in between Km. 33/360 to 33/425 (LHS).

Job No. ①

Sr No.	Description of item.	Qty.	Rate		Unit	Amount
			In Figure	In Words		
1	Earth, work in excavation for all type of road structure such as retaining walls, breast walls, culverts, drains and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rocks, chiseling/ wedging out of rock (where blasting is prohibited) as per drawings and MORT&H specification clause 305.1 and as per direction of the Engineer-in-charge including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal of materials upto all lead and lift, including dressing of sides and bottom and back filling in trenches with excavated suitable approved material to the original surface in layers not exceeding 150mm (One hundred fifty millimetre) compacted thickness including shoring and structing and pumping and bailing out water (surface and sub soil water upto any depth and any quantum of water including cleaning of slush which may arise out during dewatering as per the direction of the Engineer-in-Charge and carriage of material within all leads and lifts and other incidentals charges.	84.50			Per Cubic metre	
2	Providing and laying, mechanically mixed and vibrated concrete for plain/ reinforced concrete in open foundation complete as per drawings and MORT&H specifications clause 802.803, 1202 & 1203. PCC Grade M10 (Nominal mix 1:3:6) (One cement : three sand : six graded/ crushed stone aggregate) 20mm (Twenty millimetre) nominal size including entire carriage of materials within all leads and lifts and as per the direction of Engineer-in-charge.	39.98			Per Cubic metre	
3	Supplying, fitting and placing TMT bar reinforcement (Fe 415) in substructure complete as per drawings and MORT&H specifications Clause 1002, 1005, 1010 & 1202 including carriage of material and equipment within all leads and lifts with all mode of transportation and as per the direction of Engineer-in-Charge.	2.03			Per Metric Tonne	
4	Providing concrete for plain/reinforced concrete in open foundation complete as per drawings and MORT&H specifications clause 802, 804, 805, 806, 807, 1202 and 1204 RCC M. 25 including carriage of material and equipment in all leads and lifts with all mode of transportation and as per the direction of Engineer-in-Charge.	16.90			Per Cubic metre	
G.Total						

Executive Engineer,
National Highway Division,
HP.PWD., Hamirpur (HP)

Job No. (2)

SCHEDULE OF QUANTITY

Name of work :- Annual repair and Maintenance on NH 503Extn Km 19/0 to 44/700 (SH:- construction of U-shape drain fully covered with RCC slab in between Km. 33/425 to 33/490 (LHS).

Sr No.	Description of item.	Qty.	Rate		Unit	Amount
			In Figure	In Words		
1	Earth work in excavation for all type of road structure such as retaining walls, breast walls, culverts, drains and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rocks, chiseling/ wedging out of rock (where blasting is prohibited) as per drawings and MORT&H specification clause 305.1 and as per direction of the Engineer-in-charge including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal of materials upto all lead and lift, including dressing of sides and bottom and back filling in trenches with excavated suitable approved material to the original surface in layers not exceeding 150mm (One hundred fifty millimetre) compacted thickness including shoring and strutting and pumping and bailing out water (surface and sub soil water upto any depth and any quantum of water including cleaning of slush which may arise out during dewatering as per the direction of the Engineer-in-Charge and carriage of material within all leads and lifts and other incidentals charges.	84.50			Per Cubic metre	
2	Providing and laying, mechanically mixed and vibrated concrete for plain/ reinforced concrete in open foundation complete as per drawings and MORT&H specifications clause 802.803.1202 & 1203. PCC Grade M10 (Nominal mix 1:3:6) (One cement : three sand : six graded/ crushed stone aggregate) 20mm (Twenty millimetre) nominal size including entire carriage of materials within all leads and lifts and as per the direction of Engineer-in-charge.	39.98			Per Cubic metre	
3	Supplying, fitting and placing TMT bar reinforcement (Fe 415) in substructure complete as per drawings and MORT&H specifications Clause 1002, 1005.1010 & 1202 including carriage of material and equipment within all leads and lifts with all mode of transportation and as per the direction of Engineer-in-Charge.	2.03			Per Metric Tonne	
4	Providing concrete for plain/reinforced concrete in open foundation complete as per drawings and MORT&H specifications clause 802, 804, 805, 806, 807, 1202 and 1204 RCC M. 25 including carriage of material and equipment in all leads and lifts with all mode of transportation and as per the direction of Engineer-in-Charge.	16.90			Per Cubic metre	
G.Total						

Executive Engineer,
National Highway Division,
MP.PWD., Hamirpur (HP)

Job No. 3

SCHEDULE OF QUANTITY

Name of work :- Annual repair and Maintenance on NH 503Extn Km 19/0 to 44/700 (SH:- construction of U-shape drain fully covered with RCC slab in between Km. 33/490 to 33/525(LHS)and in Km. 41/782 to 41/802 (RHS)

Sr No.	Description of item.	Qty.	Rate		Unit	Amount
			In Figure	In Words		
1	Earth work in excavation for all type of road structure such as retaining walls, breast walls, culverts, drains and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rocks, chiseling/ wedging cut of rock (where blasting is prohibited) as per drawings and MORT&H specification clause 305.1 and as per direction of the Engineer-in-charge including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal of materials upto all lead and lift, including dressing of sides and bottom and back filling in trenches with excavated suitable approved material to the original surface in layers not exceeding 150mm (One hundred fifty millimetre) compacted thickness including shoring and structing and pumping and bailing out water (surface and sub soil water upto any depth and any quantum of water including cleaning of slush which may arise out during dewatering as per the direction of the Engineer-in-Charge and carriage of material within all leads and lifts and other incidentals charges.	71.40			Per Cubic metre	
2	Providing and laying, mechanically mixed and vibrated concrete for plain/ reinforced concrete in open foundation complete as per drawings and MORT&H specifications clause 802.803,1202 & 1203. PCC Grade M10 (Nominal mix 1:3:6) (One cement : three sand : six graded/ crushed stone aggregate 20mm (Twenty millimetre) nominal size including entire carriage of materials within all leads and lifts and as per the direction of Engineer-in-charge.	54.30			Per Cubic metre	
3	Supplying, fitting and placing TMT bar reinforcement (Fe 415) in substructure complete as per drawings and MORT&H specifications Clauses 1002, 1005,1010 & 1202 including carriage of material and equipment within all leads and lifts with all mode of transportation and as per the direction of Engineer-in-Charge.	1.24			Per Metric Tonne	
4	Providing concrete for plain/reinforced concrete in open foundation complete as per drawings and MORT&H specifications clause 802, 804,805,806, 807, 1202 and 1204 RCC M-25 including carriage of material and equipment in all leads and lifts with all mode of transportation and as per the direction of Engineer-in-Charge.	8.50			Per Cubic metre	
G.Total						

Executive Engineer,
National Highway Division,
M.P.PWD, Hamirpur (HP)

Job No. 14

SCHEDULE OF QUANTITY

Name of work :- Annual repair and Maintenance on NH 503 Extn km 19/0 to 44/700. (SH-Construction of edge wall and crash barrier in Km. 19/350 to 19/398.50 (L.H.S).	Estimated Cost:- Rs.	498246.00
	Earnest Money:- Rs.	10000.00
	Time Limit:-	One Month

Sr No.	Description of Item.	Qty.	Rate		Unit	Amount
			In Figure	In Words		
1	Earth work in excavation by mechanical means (Hydraulic excavator/breaker)/manual means over areas (exceeding 30 cm (Thirty centimetre) in depth, 1.5 m (One point five metre) in width as well as 10 sqm(Ten square metre) on plan including getting out and disposal of excavated earth in all leads and lifts in ordinary rock and all kinds of soil including chiseling of hard rocks where blasting is prohibited including entire carriage of materials within all leads and lifts and as per drawings and MORT&H specifications as per the direction of Engineer-in-Charge including all incidentals.	50.93			Per Cubic metre	
2	Providing and laying cement concrete 1:3:6 (One cement : three coarse sand : six graded stone aggregate) 20 mm (Twenty millimetre) nominal size in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etcetera including the cost of centering, shuttering and finishing as per direction of Engineer-in-Charge including entire carriage of material within all leads and lifts and other incidentals.	87.30			Per Cubic metre	
3	Providing and erecting 'W' metal beams crash barrier comprising to 3mm (three millimetre) thick corrugated sheet metal beam rail, 70cm (seventy centimetre) above road/ground level fixed on ISMC series channel vertical post 150x75x5mm (One hundred fifty into seventy five into five millimetre) spaced 2.00 mtr (two metre) center to center 1.8 metre Height (One point eight metre) 1.1 mtr. (one point one metre) below ground/ road level, all steel parts and filaments to be galvanized by hot dip process, all fittings to conform to IS 1367 and IS 1364 metal beam rail to be fixed on the vertical post with a spacer of channel section 150x75x5mm (One hundred fifty into seventy five into five millimetre), 330mm (three hundred thirty millimetre) long complete as per direction of the Engineer-in-Charge including carriage of material within all leads and lifts and other incidentals	25.00			Per Running metre	
G.Total						

Executive Engineer,
National Highway Division,
H.P.P.W.D., Hamirpur (H.P.)


SCHEDULE OF QUANTITY

Job No. 5

Name of work :- Annual repair and Maintenance on NH 503A Km 0/0 to 70/0 (SH:- Construction of Retaining wall in km. 61/748 to 61/756 (RHS) and Breast wall in Km. 61/735 to 61/745 (LHS)

Estimated Cost:- Rs.	353756.00
Earnest Money:- Rs.	7100.00
Time Limit:-	One Month

Sr No.	Description of item.	Qty.	Rate		Unit	Amount
			In Figure	In Words		
1	Earth work in excavation for all type of road structure such as retaining walls, breast walls, culverts, drains and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rocks, chiseling/ wedging out of rock (where blasting is prohibited) as per drawings and MORT&H specification clause 305.1 and as per direction of the Engineer-in-charge including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal of materials upto all lead and lift, including dressing of sides and bottom and back filling in trenches with excavated suitable approved material to the original surface in layers not exceeding 150mm (One hundred fifty millimetre) compacted thickness including shoring and structing and pumping and bailing out water (surface and sub soil water upto any depth and any quantum of water including cleaning of slush which may arise out during dewatering as per the direction of the Engineer-in-Charge and carriage of material within all leads and lifts and other incidentals charges.	41.84			Per Cubic metre	
2	Providing and laying, mechanically mixed and vibrated concrete for plain/ reinforced concrete in open foundation complete as per drawings and MORT&H specifications clause 802.803.1202 & 1203. PCC Grade M10 (Nominal mix 1:3:6) (One cement : three sand : six graded/ crushed stone aggregate 20mm (Twenty millimetre) nominal size including entire carriage of materials within all leads and lifts and as per the direction of Engineer-in-charge.	69.66			Per Cubic metre	
3	Providing weep holes in brick masonry/ plain /reinforced concrete abutment wing wall/ return wall etc. with 100mm dia (One Hundred Millimeters) PVC pipe extended through the full width of the structure with slope of 1(V) 20H towards drainage face complete as per drawing and MORT&H specification clauses 614, 709, 1204.3.7 including carriage of material with in all leads and lifts as per the direction of Engineer-in-Charge.	37.00			Each	
4	Back filling with granular material wing walls, return walls and retaining walls complete as per drawing and MORT&H specifications clause 1204.3.8 and as per direction of Engineer-in-Charge including entire carriage of material within all leads and lifts and other incidentals charges.	13.44			Per Cubic metre	
G.Total						


 Executive Engineer,
 National Highway Division,
 M.P.W.D., Hamirpur (HP)

Job No. 6

SCHEDULE OF QUANTITIES

Name of work :- Annual repair and Maintenance on NH 70 New NH-03) km 58.400 to 114.0 (SH:- Hiring of Labour- Tipper for removal of slips in km. 58.400 to 85.0

Estimated Cost:- Rs. 496350.00
Earnest Money:- Rs. 10000.00
Time Limit:-
One Month

Sr No.	Description of item.	Qty.	Rate		Unit	Amount
			In Figure	In Words		
1	Hiring of Labour/Beldar as and whenever required by the Deptt. for carrying out miscellaneous road repair activities such as clearing of drains/culverts, bridges, repair of rain cuts, removal of vegetation from bridges and culverts etcetera complete in all and to the entire satisfaction of Engineer - in - charge.	850.00			Per day	
2	Hiring of Tipper for carriage of debris/muck/unserviceable material from the various reaches of the road including all leads, lifts and unloading of material at suitable places as per entire satisfaction of the Engineer-in-charge.(9.00 am to 5.00 PM)	48.00			Per day	
G. Total						

Executive Engineer,
National Highway Division,
HP, PWD., Hamirpur (HP)

SCHEDULE OF QUANTITY

Job No. 7

Name of work :- Annual repair and Maintenance on NH- 503A Km 0/0 to 70/0 (SH:- Dressing of berms in Km. 38/0 to 39/700)

Sr No.	Description of item.	Qty.	Rate		Unit	Amount
			In Figure	In Words		
1	Making up loose of material / irregularities on shoulders to the design level by adding fresh approved selected soil and compacting it with appropriate equipment at OMC upto any lead as per MORTH specification clause 1903 including entire carriage of material within all leads and lifts as per directions of Engineer-in-Charge and other incidental charges	4197.00			Per square metre	
G.Total						

Estimated Cost - Rs. 146895.00
 Earnest Money - Rs. 3000.00
 Time Limit - One Month

Executive Engineer,
 National Highway Division,
 P.W.D. Hamirpur (HP)

SCHEDULE OF QUANTITY

Name of work :- Annual repair and Maintenance on NH- 503 Extn. Km 28/0 to 44/700 (SH:- Dressing of berms at various locations in Km. 28/0 to 43/0)

Estimated Cost:- Rs. 149800.00
Earnest Money:- Rs. 3000.00
Time Limit:- One Month

Sr No.	Description of item.	Qty.	Rate		Unit	Amount
			In Figure	In Words		
1	Making up loose of material / Irregularities on shoulders to the design level by adding fresh approved selected soil and compacting it with appropriate equipment at OMC upto any lead as per MORTH specification clause 1903 including entire carriage of material within all leads and lifts as per directions of Engineer-in-Charge and other incidental charges.	4280.00			Per square metre	
G.Total						

Executive Engineer,
National Highway Division,
H.P. PWD., Hamirpur (HP)

Job No. (8)

Job no. 9

SCHEDULE OF QUANTITY

Estimated Cost:- Rs.- 270550.00
Earliest Money:- Rs.- \$500.00
Time Limit:- One Month

Name of Work:- Annual repair and maintenance on NH 20A (New NH 503) Km 39/00 to 91/00 (SH:- Construction of Retaining wall at RD 83/283 to 83/303 (RHS),

Sr No.	Description of item.	Qty.	Rate		Unit	Amount
			In Figure	In words		
1	Earth work in excavation for all type of road structure such as retaining walls, breast walls, culverts, drains and parapets etcetra in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rocks, chiseling/ wedging out of rock (where blasting is prohibited) as per drawings and MORT&H specification and as per direction of the Engineer-in-charge including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal of materials upto all lead and lift, including dressing of sides and bottom and back filling in trenches with excavated suitable approved material to the original surface in layers not exceeding 150mm (One hundred fifty millimetre) compacted thickness including shoring and structing and pumping and bailing out water (surface and sub soil water upto any depth and any quantum of water including cleaning of slush which may arise out during dewatering as per the direction of the Engineer-in-Charge and carriage of material within all leads and lifts and other incidentals charges.	19.60			Per Cubic metre	
2	Providing and laying 1:3:6 (One Cement : three coarse sand : Six graded stone aggregate) 20 mm (twenty millimetre) nominal size in position cement concrete of specified grade including the cost of centering and shuttering for all work up to plinth level in drains, toe walls and like structures including entire carriage of materials within all leads and lifts as per the direction of Engineer-in-Charge.	52.40			Per Cubic metre	
3	Back filling behind abutment, wing walls and return walls complete as per drawings and MORT&H technical specification, granular material as per direction of Engineer-in-Charge including entire carriage of materials within all leads and lifts and other incidentals.	24.00			Per Cubic metre	
4	Providing weep holes in brick masonry / Stone masonry / plain/reinforced concrete in retaining walls, breast walls and the like with 100mm (One hundred millimetre) dia PVC pipe Finolex/ Supreme having pressure not less than 4.00 Kg/Cm ² (four kilogram) per centimetre square extending through the full width of the structure with slope of 1(V):20(H) (one vertical : twenty horizontal) towards drawing face complete including entire carriage of materials within all leads and lifts and as per drawings and HORT&H specifications as per the direction of Engineer-in-Charge including all incidentals.	19.00			Each	
G.Total					Rs.-	

Executive Engineer,
National Highway Division,
BP.PWD., Hamirpur (HP)

Job No. 10

SCHEDULE OF QUANTITY

Estimated Cost:- Rs.- 493276.00
Earnest Money:- Rs.- 10000.00
Time Limit:- One Month

Name of Work:- Annual repair and maintenance on NH 20A (New NH 503) Km 39/00 to 91/00 (SH:- Construction of Retaining wall at RD 66/373.5 to 66/380 (LHS) along with Parapets Near Dhaliara,

Sr No.	Description of item.	Qty.	Rate		Unit	Amount
			In Figure	In words		
1	Earth work in excavation for all type of road structure such as retaining walls, breast walls, culverts, drains and parapets etcetra in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rocks, chiseling/ wedging out of rock (where blasting is prohibited) as per drawings and MORT&H specification and as per direction of the Engineer-in-charge including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal of materials upto all lead and lift, including dressing of sides and bottom and back filling in trenches with excavated suitable approved material to the original surface in layers not exceeding 150mm (One hundred fifty millimetre) compacted thickness including shoring and structing and pumping and bailing out water (surface and sub soil water upto any depth and any quantum of water including cleaning of slush which may arise out during dewatering as per the direction of the Engineer-in-Charge and carriage of material within all leads and lifts and other incidentals charges.	42.53			Per Cubic metre	
2	Providing and laying 1:3:6 (One Cement : three coarse sand : Six graded stone aggregate) 20 mm (Twenty millimetre) nominal size in position cement concrete of specified grade including the cost of centering and shuttering for all work up to plinth level in drains, toe walls and like structures including entire carriage of materials within all leads and lifts as per the direction of Engineer-in-Charge.	98.95			Per Cubic metre	
3	Back filling behind abutment , wing walls and return walls complete as per drawings and MORT&H technical specification, granular material as per direction of Engineer-in-Charge including entire carriage of materials within all leads and lifts and other incidentals.	20.70			Per Cubic metre	
4	Providing weep holes in brick masonry / Stone masonry / plain/reinforced concrete in retaining walls, breast walls and the like with 100mm (One hundred millimetre) dia PVC pipe Finolex/ Supreme having pressure not less than 4.00 Kg/Cm ² (four kilogramm) per centimetre square extending through the full width of the structure with slope of 1(V):20(H) (one vertical : Twenty horizontal) towards drawing face complete including entire carriage of materials within all leads and lifts and as per drawings and HORT&H specifications as per the direction of Engineer-in-Charge including all incidentals.	25.00			Each	
	G.Total				Rs:-	

Executive Engineer,
National Highway Division,
HP.P.W.D., Hamirpur (HP)

SCHEDULE OF QUANTITY

Job No. (11)

Estimated Cost:- Rs.:- 498625.00
Earnest Money:- Rs.:- 10000.00
Time Limit:- One Month

Name of Work:- Annual repair and maintenance on NH 20A (New NH 503) Km 39/00 to 91/00 (Sub Head :- Providing and laying of Interlocking Paver Blocks 80 mm thick in km 59/810 to 59/870 (LHS).

Sr No.	Description of item.	Qty.	Rate		Unit	Amount
			In Figure	In words		
1	Excavation work 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), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soil in ordinary rock and all kinds of soil including entire carriage of materials within all leads and lifts and as per drawings and technical specifications as per the direction of Engineer-in-Charge including all incidentals.	54.60			Per Cubic metre	
2	Providing plain/ reinforced concrete M-15 (1:2:5:5) X One Cement: two point five sand: five aggregate) in open foundation complete as per drawings and MOR&TH specifications including entire carriage of materials within all leads and lifts including the cost of centering, shuttering and finishing as per direction of Engineer-in-Charge including entire carriage of material within all leads and lifts and other incidentals.	34.30			Per Cubic metre	
3	Providing and Laying of Interlocking Concrete Block Pavements having thickness 80 mm(Eighty millimetre) (NTC) as per drawings and MOR&TH Specification as per direction of Engineer-in-Charge complete in all respect.	184.76			Per Square metre	
G.Total					Rs.:-	


Executive Engineer,
National Highway Division,
HP.PWD., Hamirpur (HP)

SCHEDULE OF QUANTITY

Job No. (12)

Estimated Cost:- Rs.:- 498625.00
 Earnest Money:- Rs.:- 10000.00
 Time Limit:- One Month

Name of Work:- Annual repair and maintenance on NH 20A (New NH 503) Km 39/00 to 91/00 (Sub Head :- Providing and laying of Interlocking Paver Blocks 80 mm thick in km 59/750 to 59/810 (LHS).

Sr No.	Description of item.	Qty.	Rate		Unit	Amount
			In Figure	In words		
1	Excavation work 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), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soil in ordinary rock and all kinds of soil including entire carriage of materials within all leads and lifts and as per drawings and technical specifications as per the direction of Engineer-in-Charge including all incidentals.	54.60			Per Cubic metre	
2	Providing plain/ reinforced concrete M-15 (1:2:5.5) One Cement: two point five sand: five aggregate) in open foundation complete as per drawings and MOR&TH specifications including entire carriage of materials within all leads and lifts including the cost of centering, shuttering and finishing as per direction of Engineer-in-Charge including entire carriage of material within all leads and lifts and other incidentals.	34.30			Per Cubic metre	
3	Providing and Laying of Interlocking Concrete Block Pavements having thickness 80 mm(Eighty millimetre) (NTC) as per drawings and MOR&TH Specification as per direction of Engineer-in-Charge complete in all respect.	184.76			Per Square metre	
G. Total					Rs.:-	

Executive Engineer,
 National Highway Division,
 HP.PWD., Hamirpur (HP)

SCHEDULE OF QUANTITY

Estimated Cost:- Rs.- 484029.00
Earnest Money:- Rs.- 10000.00
Time Limit:- One Month

NAME OF WORK:- A/R & M/O TO A.E. OFFICE AT DEHRA ON NH-28A(NEW NH-583)(SH:- LAYING THE PAVER BLOCK IN OFFICE YARD, BRICK WORK, PLASTER WORK, PAINT WORK AND ROOFING)
VERANDAH AND P/L PVC PANELING)

Sr No.	Description of item.	Qty.	Rate		Unit	Amount
			In Figure	In words		
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains not exceeding 1.5m(one point five metre) in width or 10 sqm(ten square metre) on plan, including dressing of sides and ramming of bottoms, lift upto 1.5 m(one point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within a any lead, complete and carriage of materials other incidents as per direction by the Engineer-in-Charge.	14.70			Per Cubic metre	
2	Excavation in earth work and filling in 15 cm(fifteen centimetre) kayers in foundation and plinth including ramming, watering and consolidating up to all leads and lifts and carriage of materials within all leads and lifts and other incidents complete as per the direction of Engineer-in-charge.	7.45			Per Cubic metre	
3	Providing and laying cement concrete 1:3:6 (one Cement : two coarse sand : six graded stone aggregate 20 mm (twenty millimetre) nominal size)carriage of materials within all leads and lifts and other incidents complete as per the direction of Engineer-in-charge.	17.04			Per Cubic metre	
4	Providing and laying 80mm (eighty millimetre) thick factory made cement concrete interlocking paver block of M-30 grade made by block making machine with strong vibratory compaction, of approved size, design and shape, laid in required colour and pattern over and including 50mm(fifty millimetre) thick compacted bed of coarse sand, filling the joints with line sand etcetra. all complete and carriage of materials within all leads, lifts and other incidents as per directed by the Engineer-in-Charge including	63.92			Per square metre	
5	2nd class brick masonry in common burnt clay buildings bricks in foundation and plinth in cement mortar 1:5 (one cement : six sand) up to floor all level including carriage of materials within all leads, lifts and other incidents complete as per the direction of Engineer-in-charge.	8.69			Per Cubic metre	
6	15mm (fifteen millimetre) thick cement plaster in single coat on rough side of brick / concrete / stone walls for interior plastering upto floor two levels including arises, internal rounded angles, chamfers and / or rounded angles not exceeding 80mm (eighty millimetre) in girth and finished even and smooth with cement mortar 1:5 (one Cement isto five sand) including carriage of materials within all leads, lifts and other incidents complete as per the direction of Engineer-in-charge.	75.60			Per square metre	
7	Finishing wall with weather proof exterior grade emulsion of approved design (Apexultima) or its equvalent on undecorated wall surfaces (two coats) to give an even shade and final finish after thoroughly cleaning the surface to remove all dirt, dust and other foreign matter etcetra including sand paper smooth complete. and carriage of materials within all leads, lifts and other incidents complete as per the direction of Engineer-in-charge.	75.60			Per square metre	
8	Structural steel work riveted bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete. Including carriage of materials within all leads, lifts and other incidents complete as per the direction of Engineer-in-charge	724.68			Per kilograme	
9	Providing and fixing 0.60mm (zero point six zero millimetre) thick preapainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20(twenty) microns over 5(five) microns primer coating to back coat of polyester of 5(five) microns over 5(five) microns primer coating including fixing with preapainted iron J or L hooks, bolts and nuts 6mm(six millimetre) dia metre with preapainted limpet and rubber washers complete with all accessories as required and carriage of materials within all leads, lifts and other incidents complete as per the direction of Engineer-in-charge.	27.60			Per square metre	
10	Providing and fixing of cedar PVC ceiling, wall panels including all cap & accessories wall affair colour 3600 x3600 x10mm (three thousand six hundred into three thousand six hundred into ten millimetre) and carriage of materials within all leads, lifts and other incidents complete as per the direction of Engineer-in-charge.	105.57			Per square metre	
G.Total						

Executive Engineer,
National Highway Division,
H.P.P.W.D., Hamirpur (HP)

Job No. 13

SCHEDULE OF QUANTITY

Name of Work:- Annual repair and maintenance on NH 20A (New NH 503) Km 39/00 to 91/00 (SH:- Construction of Retaining wall at RD 51/686.5 to 51/705.5 (LHS) Near Mangarh.

Estimated Cost:- Rs.- 375275.00
 Earnest Money:- Rs.- 6500.00
 Time Limit:- One Month

Sr No.	Description of Item.	Qty.	Rate		Unit	Amount
			In Figure	In words		
1	Earth work in excavation for all type of road structure such as retaining walls, breast walls, culverts, drains and parapets etcetra in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rocks, chiseling/ wedging out of rock (where blasting is prohibited) as per drawings and MORT&H specification and as per direction of the Engineer-in-charge including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal of materials upto all lead and lift, including dressing of sides and bottom and back filling in trenches with excavated suitable approved material to the original surface in layers not exceeding 150mm (One hundred fifty millimetre) compacted thickness including shoring and structing and pumping and bailing out water (surface and sub soil water upto any depth and any quantum of water including cleaning of slush which may arise out during dewatering as per the direction of the Engineer-in-Charge and cartage of material within all leads and lifts and other incidentals charges.	116.40			Per Cubic metre	
2	Providing and laying 1:3:6 (One Cement : three coarse sand : Six graded stone aggregate) 20 mm (twenty millimetre) nominal size in position cement concrete of specified grade including the cost of centering and shuttering for all work up to plinth level in drains, toe walls and like structures including entire cartage of materials within all leads and lifts as per the direction of Engineer-in-Charge.	72.71			Per Cubic metre	
3	Providing weep holes in brick masonry / Stone masonry / plain/reinforced concrete in retaining walls, breast walls and the like with 100mm (One hundred millimetre) dia PVC pipe Finalex Supreme having pressure not less than 4.00 Kg/Cm ² (four kilogram) per centimetre square extending through the full width of the structure with slope of 1(V):20(H) (one vertical : twenty horizontal) towards drawing face complete including entire cartage of materials within all leads and lifts and as per drawings and MORT&H specifications as per the direction of Engineer-in-Charge including all incidentals.	22.00			Each	
4	Back filling behind abutment , wing walls and return walls complete as per drawings and MORT&H specification, granular material as per direction of Engineer-in-Charge including entire cartage of materials within all leads and lifts and other incidentals.	7.32			Per Cubic metre	
G.Total						

Executive Engineer,
 National Highway Division,
 HP.PWD., Hamirpur (HP)

506 200.00

SCHEDULE OF QUANTITY

Estimated Cost:- Rs:- 452425.00
Earnest Money:- Rs:- 10000.00
One Month

Time Limit:-

Name of Work:- Annual repair and maintenance on NH 20A (New NH 503) Km 39/00 to 91/00 (SH:- Construction of Retaining wall at RD 51/670 to 51/686 (LHS) Near Mangarh.

Sr No.	Description of item.	Qty.	Rate		Unit	Amount
			In Figure	In words		
1	Earth work in excavation for all type of road structure such as retaining walls, breast walls, culverts, drains and parapets etcetra in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rocks, chiselling/ wedging out of rock (where blasting is prohibited) as per drawings and MORT&H specification and as per direction of the Engineer-in-charge including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal of materials upto all lead and lift, including dressing of sides and bottom and back filling in trenches with excavated suitable approved material to the original surface in layers not exceeding 150mm (One hundred fifty millimetre) compacted thickness including shoring and structuring and pumping and bailing out water (surface and sub soil water upto any depth and any quantum of water including cleaning of slush which may arise out during dewatering as per the direction of the Engineer-in-Charge and carriage of material within all leads and lifts and other incidentals charges.	166.40			Per Cubic metre	
2	Providing and laying 1:3:6 (One Cement : three coarse sand : Six graded stone aggregate) 20 mm (twenty millimetre) nominal size in position cement concrete of specified grade including the cost of centering and shuttering for all work up to plinth level in drains, toe walls and like structures including entire carriage of materials within all leads and lifts as per the direction of Engineer-in-Charge.	85.99			Per Cubic metre	
3	Providing weep holes in brick masonry / plain/reinforced concrete in retaining walls, breast walls and the like with 100mm (One hundred millimetre) dia PVC pipe Finolex/ Supreme having pressure not less than 4.00 Kg/Cm ² (four kilogramm) per centimetre square extending through the full width of the structure with slope of 1(M):20(H) (one vertical : twenty horizontal) towards drawing face complete including entire carriage of materials within all leads and lifts and as per drawings and MORT&H specifications as per the direction of Engineer-in-Charge including all incidentals.	40.00			Each	
4	Back filling behind abutment , wing walls and return walls complete as per drawings and MORT&H specification, granular material as per direction of Engineer-in-Charge including entire carriage of materials within all leads and lifts and other incidentals.	7.68			Per Cubic metre	
G.Total					Rs.-	

Executive Engineer,
National Highway Division,
HP.PWD, Hamirpur (HP)

Job No. 65

SCHEDULE OF QUANTITY

Estimated Cost:- Rs.
Earnest Money:- Rs.

Time: -

Name of work :- Repair of Rain Shelter on NH-20A (New NH-503) at RD 59/700 (LHS) near NH sub Division Dehra.

Sr No.	Description of item.	Qty.	Rate		Unit
			In Figure	In Words	
1	Excavation work by mechanical means (Hydraulic excavator) manual means in foundation trenches or drains not exceeding 1.5m(one point five metre) in width or 10 sqm(ten square metre) on plan, including dressing of sides and ramming of bottoms, lift upto 1.5 m(one point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within a any lead, complete and carriage of materials within all leads, lifts and other incidents as per directed by the Engineer-in-Charge.	0.71			Per Cubic metre
2	P/L 40mm (forty millimetre) cement concrete flooring 1:2:4 (one cement: two sand: four aggregate) and carriage of materials within all leads, lifts and other incidents as per directed by the Engineer-in-Charge.	16.12			Per Cubic metre
3	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% (zero point zero eight percent)and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm(twenty millimetre) thick cement mortar 1:4 (one cement : four coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm(three point threekilogramme per square metre) including grouting the joints with white cement and matching pigments etcetra., complete and carriage of materials within all leads, lifts and other incidents as per directed by the Engineer-in-Charge.	16.12			Per Cubic metre
4	Providing and laying Vitrified tiles in different sizes (thickness to be specified by the manufacturer), with water absorption less than 0.08% (Zero point zero eight percent)and conforming to IS: 15622, of approved brand and manufacturer, in all colours and shade, in skirting, riser of steps, laid with cement based high polymer modified quick set tile adhesive (water based) conforming to IS: 15477, in average 6 mm(six millimetre) thickness, including grouting of joints (Payment for grouting of joints to be made separately). Size of Tile 500x500 mm(five hundred into five hundred millimetre) and carriage of materials within all leads, lifts and other incidents as per directed by the Engineer-in-Charge.	13.80			Per Cubic metre
5	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 (Seven point five) in foundation and plinth above plinth level upto all floor level in cement mortar 1:6 (one cement isto six sand) and curing complete as per approved drawing, and carriage of materials within all leads, lifts and other incidents as per directed by the Engineer-in-Charge.	0.77			Per square metre
6	Providing and applying 15mm (fifteen millimetre) thick cement plaster with cement mortar 1:6 (one cement isto six sand) in single coat on rough side of brick/concrete/ stone walls for interior plastering up to all floor level including arses, internal rounded angles, chamfers or rounded, and carriage of materials within all leads, lifts and other incidents as per directed by the Engineer-in-Charge	72.83			Per square metre
7	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel of TATA/SAIL as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar and carriage of materials within all leads, lifts and other incidents as per directed by the Engineer-in-Charge.	402.68			Per kilograme
8	Providing and fixing 0.60mm(zero point six zero millimetre) thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet, and carriage of materials within all leads, lifts and other incidents as per directed by the Engineer-in-Charge.	32.31			Per Cubic metre
9	Providing and fixing ridges or hips 60 cm(sixty centimetre) overall with 0.60mm (Zero point six zero millimetre) thick prepainted steel sheets in roofing with hot dipped metallic zinc coated sheets and carriage of materials within all leads, lifts and other incidents as per directed by the Engineer-in-Charge.	4.10			Per square metre
10	Providing and fixing M.S. BP Sheet 1.66mm to 2mm (one point six six millimetre)thick in eaves board/facia/soffits/ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete and carriage of materials within all leads, lifts and other incidents as per directed by the Engineer-in-Charge.	3.88			Per square metre
11	Painting Steel work with Deluxe Multir Surface Paint to give an even shade. Two or more coat applied @ 0.90 ltr/10 sqm (zero point nine zero litre per ten square metre) over an under coat of primer applied @ 0.80 ltr/10 sqm(zero point eight zero litre per ten square metre) of approved brand and manufacture, and carriage of materials within all leads, lifts and other incidents as per directed by the Engineer-in-Charge.	20.00			Per square metre

12	Dispersing with oil bound waste/oil disperser at Petrofac/Asian/Julix/Dejager approved brand and manufacture (two or more coats) or required shade on new work over and including water thinable priming coat with cement primer and carriage of materials within all leads, lifts and other incidents as per directed by the Engineer-in-Charge.	112.38			Per square metre	
13	Providing and laying flamed finish Granite stone flooring in required design and patterns, in linear as well as curvi linear portions of the building all complete as per the architectural drawings with 18 mm(twenty millimetre) thick stone slab over 20 mm(twenty millimetre) (average) thick base of cement mortar 1:4 (one cement : four coarse sand) laid and jointed with cement slurry and pointing with white cement slurry admixed with pigment of matching shade including rubbing, curing and polishing etcetra. all complete as specified and as directed by the Engineer-in-Charge.	7.95			Per square metre	
14	Providing under layer for plinth protection of 75 mm (Seventy five millimetre) thick bed dry brick/stone aggregate 40 mm(forty millimetre) nominal size and carriage of materials within all leads, lifts and other incidents as per directed by the Engineer-in-Charge.	8.58			Per square metre	
15	Providing Plinth protection 50 mm (fifty millimetre) thick in cement mortar 1:3:6 (one cement: three sand: six aggregate) with 20 mm(twenty millimetre) nominal size of aggregate and carriage of materials within all leads, lifts and other incidents as per directed by the Engineer-in-Charge.	8.58			Per running metre	


 Executive Eng
 National Highway
 H.P.P.W.D., Hamir

SCHEDULE OF QUANTITY


Job No. (17)

Name of work :- Annual repair and Maintenance on NH 503 (EXTN.) Km 0/0 to 19/00 (SH:- PROVIDING AND FIXING OVERHEAD CANTILEVER GANTRY BOARD MADE UP OF HIGH INTENSITY MICRO PRISMATIC RETRO REFLECTIVE SHEETING TYPE-IV OVER 2MM THICK ALUMINIUM SHEET 6000 x 1500 MM SPAN (SINGLE SIDE BOARD) at Baduhi Km 13/780 (LHS)

Estimated Cost:- Rs.	394651.00
Earnest Money:- Rs.	8000.00
Time Limit:-	One Month

S. No.	Description of item.	Qty.	Rate		Unit	Amount
			In Figure	In Words		
1	Earth work in excavation for all type of road structure such as retaining walls, breast walls, culverts, drains and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rocks, chiseling/ wedging out of rock (where blasting is prohibited) as per drawings and MORT&H specification clause 305.1 and as per direction of the Engineer-in-Charge including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal of materials upto all lead and lift, including dressing of sides and bottom and back filling in trenches with excavated suitable approved material to the original surface in layers not exceeding 150mm (One hundred fifty millimetre) compacted thickness including shoring and structing and pumping and bailing out water (surface and sub soil water upto any depth and any quantum of water including cleaning of slush which may arise out during dewatering as per the direction of the Engineer-in-Charge and carriage of material within all leads and lifts and other incidentals charges.	7.74			Per Cubic metre	
2	Providing and laying, mechanically mixed and vibrated concrete for plain/ reinforced concrete in open foundation complete as per drawings and MORT&H specifications clause 802.803.1202 & 1203. PCC Grade M10 (Nominal mix 1:3:6) (One cement : three sand : six graded/ crushed stone aggregate 20mm (Twenty millimetre) nominal size including entire carriage of materials within all leads and lifts and as per the direction of Engineer-in-charge.	0.48			Per Cubic metre	
3	Providing and laying mechanically mixed and vibrated design mix reinforced cement concrete of M-20 (twenty five) grade, stone aggregate 20 mm (twenty millimetre) nominal size with minimum cement content of 400Kg (four hundred kilogram) per cubic metre in walls (any thickness), including attached plasters, buttresses, plinth and string courses, filets, columns, pillars, piers, abutments, posts and struts etcetera above plinth level up to all floor level, excluding cost of centering, shuttering, finishing and reinforcement including entire carriage of materials in all leads and lifts and as per drawings and MORTH specifications as per the direction of Engineer-in-Charge including all incidentals.	2.57			Per Cubic metre	
4	Steel reinforcement (TATA/SAIL / JINDAL PANTHER/ Shyam steel make) for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete work including cost of binding wire upto all floor level mild steel and medium tensile steel bars of grade Fe-500D or more including entire carriage of materials within all leads and lifts and as per drawings and MORTH specifications as per the direction of Engineer-in-Charge including all incidentals.	385.50			Per Kilogram	
5	Structure steel work in angles, tees and flats, rivetted or welded including cutting fixing all gusset plates, bolts, nuts, rivets welding rod etc with hoisting and erecting in position including entire carriage of materials within all leads and lifts and as per drawings and MORTH specifications as per the direction of Engineer-in-Charge including all incidentals.	1745.36			Per Kilogram	

6	Providing and fixing 2mm (Two Millimetre) thick Aluminium Sheet with heat treatment process including etching treatment including entire carriage of materials within all leads and lifts and as per drawings and MORTH specifications as per the direction of Engineer-in-Charge including all incidentals.	18.00			Per Kilogram	
7	Providing and fixing Retro Reflective sheeting of high intensity Micro Prismatic type-IV including cutting and pressure pasting Retro Reflective sheet on Aluminium sheet including designing, cutting and processing of word matter, border etcetra. with computer plotter and pasting over Retro Reflective sheet as per IRC 67 (Latest Edition) and as per clause 802 of MoRT&H specification as per drawings and MORTH specifications as per the direction of Engineer-in-Charge including all incidentals.	23.10			Per square metre	
8	Providing and painting the structure material with stove enamel paint of approved quality (two coats) over red oxide primer of approved quality including Overhead and Contractor Profit including entire carriage of materials within all leads and lifts and as per drawings and MORTH specifications as per the direction of Engineer-in-Charge including all incidentals.	15.81			Per square metre	
G.Total						


 Executive Engineer,
 National Highway Division,
 H.P.W.D., Hamirpur (HP)

Name of work :- Annual repair and Maintenance on NH- 20A(New NH-503) Km 39/0 to 91/000 (SH:- Supply and Installation of Digital Photocopier Machine in National Highway Division office Hamirpur)

Estimated Cost:- Rs.	134520.00
Earnest Money:- Rs.	3000.00
Time Limit:-	One Month

Executive Engineer,
National Highway Division,
H.P.P.W.D., Hamirpur (HP)