



**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

Telephone No:-01782-240075
e-mail:-ee-kum-hp@nic.in

No. PW-KMS-AB-NIT/2022-23- 4465-67

Dated: - 23/06/2022

To

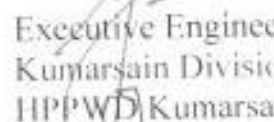
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The Executive Engineer (IT Cell),
HP, PWD, Shimla-2

Subject: -

Publication of Tender Notice


Enclosed please find herewith the tender of works 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)1/2020 dated 16.07.2021 as the works mentioned in the tender notice are urgent in nature and public interest.

**Encl: - Notice Inviting tender &
Schedule of Quantity and certificate.**


Executive Engineer,
Kumarsain Division,
HPPWD Kumarsain


Copy to the Supertntending Engineer, 11th Circle,
HP.PWD., Rampur Bsr. for information please.

Copy to Drawing Branch in this office.


Executive Engineer,
Kumarsain Division,
HPPWD Kumarsain

CERTIFICATE

**CERTIFIED THAT THE TENDERS OF WORKS, AS
CALLED VIDE THIS OFFICE LETTER NO. PW-KMS-AB-NIT/ 2022-23-
4414-64 DATED 23-6-2022 ARE URGENT NATURE AND PUBLIC
INSTREST.**


Executive Engineer,
Kumarsain Division,
HPPWD Kumarsain

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

NOTICE INVITING TENDER

Sealed item/percentage rate tenders are hereby invited by the Executive Engineer, Kumarsain Division, and HP.PWD. Kumarsain from the experienced contractors enlisted with PWD for B&R works, so as to reach in this office on or before **30.06.2022** up to **3:00 PM** and will be opened on same day at **3:30 PM**, in the presence of intending contractors or their authorized representatives who may wish to be present.

The application for issue of tender form shall be received on **29.06.2022** up to **5.00 PM**. The tender form can be had from his office against cash payment (Non-refundable) on **30.06.2022** up to **1.00 P.M.**

The earnest money in the shape of National saving certificate/Time deposit receipt of any recognized Bank in H.P. duly pledged in the name of XEN must accompany with each application for obtaining the tender form. The Executive Engineer reserves the right to reject the tenders without assigning any reasons.

1. **Name of Work :-**Improvement of link road from Tipri to Dhinguli via Chiya Khaltu Harabag Shantibag in GP Zar Km.0/000 to 3/855 (SH:- C/O PCC B/Wall at Rd.2/760 to 2/788).Estimated Cost:-4,95,576/- Earnest Money:- 10000/- Time allowed: -One Month.
2. **Name of Work:-**R/O R/D on Baragaon Machinkhad road Km.14/000 to 21/405 (SH:- C/O Wire Crate R/Wall at Rd.15/870 to 15/886.80). Estimated Cost:-1,43,527/- Earnest Money:- 2900/- Time allowed: -One Month.
3. **Name of Work:-** Improvement of Kainthalghatti to Hathiya Via Prod Mandir road Km.0/000 to 2/500(SH:- C/O Wire Crate R/W0/all at Rd.0/475 to 0/482.20 and wire crates 4th & 5th layer at Rd.0/770 to 0/798.80 on existing wire crate R/Wall for grade improvement).Estimated Cost:-4,68,552/- Earnest Money:- 9400/- Time allowed: -One Month.
4. **Name of Work:-** A/R & M/O on Slapper Tattapani Suni Luri road Km.103/800 to 120/800 (SH:- P/L GSB in dpressions of road and G-III at various Rds between Km.105/555 to 105/737.50, Repair of Pot Holes between Rd.105/555 to105/737.50). Estimated Cost:-4,99,627/- Earnest Money:- 10000/- Time allowed: - Three Months.
5. **Name of Work:-** A/R & M/O on Slapper Tattapani Suni Luri road Km.103/800 to 120/800 (SH:- P/L GSB in dpressions of road and G-III at various Rds between Km.104/900 to 105/555, Repair of Pot Holes between Rd.104/900 to 105/555).Estimated Cost:-4,99,432/- Earnest Money:- 10000/- Time allowed: -Three Months.
6. **Name of Work:-** A/R &M/O on Oddi Kingal road Km.0/000 to 21/405 (SH:- C/O PCC Causeway at Rd.12/660).Estimated Cost:- 1,08,527/- Earnest Money: 2200/- Time allowed: -One Month.
7. **Name of Work:-** C/O Ambulance road from NH-5 Dhank Kandyali Km.0/000 to 0/735 (SH:- P/L Kharanja Stone Soling in Km.0/030 to 0/075, 0/120 to 0/210 & 0/300 to 0/735).Estimated Cost: - 4,23,880/-Earnest Money:- 8500/- Time allowed: -Three Months.
8. **Name of Work:-** R/O R/D on Jogsha Kumarsain road Km.0/000 to 2/400(SH:- C/O PCC R/Wall at Rd.1/520 to 1/528.50 & 1/575 to 1/590).Estimated Cost:- 4,98,544/- Earnest Money: 10000/- Time allowed: One Month.
9. **Name of Work:-** R/O R/D on Dokhari Nallah Rogha Kotgarh via Khobal Nallah Km.0/000 to 2/000(SH:- Removal of slips at various Rds).Estimated Cost:- 96,289/- Earnest Money: 2000/- Time allowed: One Month.

10. **Name of Work:-** R/O R/D on Phaleli-Lauga road Km.0/000 to 1/165 (SH:- C/O PCC B/Wall at Rd.0/300 to 0/315). Estimated Cost:-1,56,678/- Earnest Money:- 3200/- Time allowed: -One Month.
11. **Name of Work:-** A/R & M/O on Slapper Tattapani Suni Luri road Km. 103/800 to 1 20/800 (SH:- C/O PCC R/Wall at Rd.112/940.60 to 112/950.60). Estimated Cost:-3,66,470/- Earnest Money:- 7400/- Time allowed: One Month.
12. **Name of Work:-** A/R & M/O on Slapper Tattapani Suni Luri road Km. 103/800 to 1 20/800 (SH:- C/O PCC R/Wall at Rd.119/596.20 to 119/601.20). Estimated Cost:-4,85,630/- Earnest Money:- 9800/- Time allowed: One Month.
13. **Name of Work:-** A/R & M/O on link road to Hattu Temple Km.0/000 to 6/245 (SH:- C/O R/Wall including Crash Barrier at Rd.1/575 to 1/587). Estimated Cost:-3,62,728/- Earnest Money:- 7300/- Time allowed: -One Month.
14. **Name of Work:-** A/R & M/O on Baragaon Machinkhad road Km.0/000 to 21/000 (SH:- P/L of Hot Applied Thermoplastic Compound 2.5 mm thick including Zebra Crossing in Km.6/000 to 9/000). Estimated Cost:-4,07,817/- Earnest Money:- 8200/- Time allowed: -One Month.
15. **Name of Work:-** Improvement of Old H.T road from Koti to Kingal Km.0/000 to 2/800 (SH:- Removal of formation deficiency in Km.1/390 to 1/765). Estimated Cost:-4,94,126/- Earnest Money:- 9900/- Time allowed: -One Month.
16. **Name of Work:-** A/R & M/O on approach road to Rest House Kotgarh Km.0/000 to 0/500 (SH:-P/L Gr-III, Tack Coat, Premix Coat & Seal Coat). Estimated Cost:-3,82,551/- Earnest Money:- 7700/- Time allowed: One Month.

Terms and conditions:-

1. The contractors shall produce their latest registration/renewal of their registration/GST No/EPF No along with their application.
2. The single/conditional tender will be rejected.
3. The offer shall remain valid up to 90 days.

Note:- The rates quoted by the contractors should be 5% above to 30 % below only otherwise the tenders will be rejected.

Executive Engineer,
Kumarsain Division
HP.PWD, Kumarsain

No.PW-KMS-AB-NIT/2022-23- 4414-64

Dated:- 23/06/2022

Copy to the Engineer-in-Chief, HP.PWD., Shimla-2.
Copy to the Deputy Commissioner Shimla, District Shimla (H.P.)
Copy to the Sub-Divisional Officer @ Kumarsain, Distt. Shimla (H.P.)
Copy to the Superintending Engineer, XIth Circle, HP.PWD., Rampur.
Copy to Block Development office, Narkanda Distt. Shimla, (H.P.)
Copy to all Assistant Engineers under this Division for information & n.a.
Copy to various contractors for information.
Copy to Notice Board of this office.

Executive Engineer,
Kumarsain Division,
HP.PWD, Kumarsain

SCHEDULE OF QUANTITY

Estimated cost:-Rs.495576/-

Earnest money:-Rs.10000/-

Time allowed:-One month.

Name of work:-Improvement of link road from Tipri to Dhinguli via Chiya Khaltu Harabag Shantibag in G.P. Zar Km.0/000 to 3/855(SH :-Construction of P.C.C. Breast wall at RD. 2/760 to 2/788).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	Excavation in soil in hill area by manual means/mechanical means including cutting and trimming of side slope and disposing of excavated earth with in all leads and lifts as per drawing and technical specification clause 1603.10 as per direction of the Engineer-in-charge.	49.00 m3			Per cubic metre.	
2	Earth work in excavation for structures as per drawing and technical specifications clause 305.1 including setting out, construction of shoring and bracing removal of stumps and other deleterious material and disposal upto all leads and lifts dressing of sides and bottom backfilling in trenches with excavated suitable materials upto all leads and lifts as per directions of the Engineer-in-Charge.	21.84 m3			Per cubic metre.	
3	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203) P.C.C nominal mix 1:5:10 (40mm aggregates) including entire carriage of materials in all leads and lifts.	97.16 m3			Per cubic metre.	
4	Providing weapholes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 100mm dia PVC pie extending through the full width 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 entire carriage of materials in all leads and lifts.	26 Nos.			Each.	
Total:-						

Executive Engineer,
Kumarsain Division,
HP.PWD., Kumarsain.

SCHEDULE OF QUANTITY

Estimated cost:-Rs.143527/-

Estimated cost:-Rs.143527/-

Earnest money:-Rs.2900/-

Time allowed:-One month.

Name of work:-Restorration of rain damages on Baragaon Machinkhad road Km.14/000 to 21/405 (SH:-Construction of Wire Crate Retaining wall at RD.15/870 to 15/886.80).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1.	Excavation in soil in hill area by manual means/mechanical means including cutting and trimming of side slope and disposing of excavated earth with in all leads and lifts as per drawing and technical specification clause 1603.10 as per direction of the Engineer-in-charge.	10.08 m ³			Per cubic metre.	
2.	Earth work in excavation for structures as per drawing and technical specifications clause 305.1 including setting out, construction of shoring and bracing removal of stumps and other deleterious material and disposal upto all leads and lifts dressing of sides and bottom backfilling in trenches with excavated suitable materials upto all leads and lifts as per directions of the Engineer-in-Charge.	6.05 m ³			Per cubic metre.	
3.	Providing and laying of boulder apron laid in wire crates with 4mm dia GI wire conforming to IS:280 and IS: 4826 in 100mmx100mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg. each as per drawing and technical specification Clause 1301 incuding entire carriage of mterials in all leads and lifts.	48.38 m ³			Per cubic metre.	
Total:-						

Executive Engineer,
Kumarsain Division,
HP.PWD., Kumarsain.

Executive Engineer,
Kumarsain Division,
HP.PWD., Kumarsain.

Estimated cost:-Rs.468552/-

Earnest money:-Rs.9400/-

Time allowed:-One month.

Name of work:-Improvement of Kainthalghati to Hatiya via Proad Mandir road Km.0/000 to 2/500 (SH:-Construction of wire crate Retaining wall at RD.0/475 to 0/482.20 and wire crates 4th and 5th layer at RD.0/770 to 0/798.80 on existing wire crate R/Wall for grade improvement).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	Excavation in soil in hill area by manual means/mechanical means including cutting and trimming of side slope and disposing of excavated earth with in all leads and lifts as per drawing and technical specification clause 1603.10 as per direction of the Engineer-in-charge.	8.64 m ³			Per cubic metre.	
2	Earth work in excavation for structures as per drawing and technical specifications clause 305.1 including setting out, construction of shoring and bracing removal of stumps and other deleterious material and disposal upto all leads and lifts dressing of sides and bottom backfilling in trenches with excavated suitable materials upto all leads and lifts as per directions of the Engineer-in-Charge.	2.59 m ³			Per cubic metre.	
3	Providing and laying of boulder apron laid in wire crates with 4mm dia GI wire conforming to IS:280 and IS: 4826 in 100mmx100mm mesh (woven diagonally) including 10 per cent extra for laps and joints laid with stone boulders weighing not less than 25 kg. each as per drawing and technical specification Clause 1301 including entire carriage of materials in all leads and lifts.	172.80 m ³			Per cubic metre.	
	Total:-					

Executive Engineer,
Kumarsain Division,
HP.PWD., Kumarsain.

SCHEDULE OF QUANTITY

Estimated cost:-Rs.499627/-

Earnest money:-Rs.10000/-

Time allowed:-Three months.

Name of work:-A/R & M/O on Slapper Tattapani Suni Luhri road Km 103/800 to 120/800,(Providing and laying GSB in depressions of road and G-III at various RDs between Km.105/555 to 105/737.50, Repair of pot holes between RD.105/555 to 105/737.50).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	Construction of granular sub-base by providing well graded material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site upto lead of 1000 m spreading in uniform layers with motor grader on prepared surface and compacing with smooth wheel roller to achieve the desired density, complete as per Technical specification clause 4021 including entire cariage of materials in all leads and lifts.	89.12 m3			Per cubic metre.	
2	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 KN in stages to proper grade and camber, applying and brooming, stone screening to fill up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical specification clause 405 By manual means(Pot hole) including entire carriage of materials in all leads and lifts.	50.93 m3			Per cubic metre.	
3	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20mm thick premix carpet and seal coat type B specification Clause 1904.2,503 and 508.1 including entire carriage of materials in all leads and lifts as per direction of the Engineer-in-charge.	679.13 m2			Per square metre.	
	Total:-					

Note :-Bitumen VG-10 & emulsion will

be supplied by department.


Executive Engineer,
Kumarsain Division,
HP.PWD., Kumarsain.

SCHEDULE OF QUANTITY

Estimated cost:-Rs.499432/-

Earnest money:-Rs.10000/-

Time allowed:-Three months.

Name of work:-A/R & M/O on Slapper Tattapani Suni Luhri road Km 103/800 to 120/800.(Providing and laying GSB in depressions of road and G-III at various RDs between Km.104/900 to 105/555, Repair of pot holes between RD.104/900 to 105/555).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	Construction of granular sub-base by providing well graded material, mixing in a mechanical mix plant at OMC, carriage of mixed material to work site upto lead of 1000 m spreading in uniform layers with motor grader on prepared surface and compacting with smooth wheel roller to achieve the desired density, complete as per Technical specification clause 4021 including entire carriage of materials in all leads and lifts.	79.78 m3			Per cubic metre.	
2	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 KN in stages to proper grade and camber, applying and brooming, stone screening to fill up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical specification clause 405 By manual means(Pot hole) including entire carriage of materials in all leads and lifts.	54.51 m3			Per cubic metre.	
3	Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat, 20mm thick premix carpet and seal coat type B specification Clause 1904.2.503 and 508.1 including entire carriage of materials in all leads and lifts as per direction of the Engineer-in-charge.	726.75 m2			Per square metre.	
Total:-						

Note :-Bitumen VG-10 & emulsion will be supplied by department.

Executive Engineer,
Kumarsain Division,
HP.PWD., Kumarsain.

SCHEDULE OF QUANTITY

Estimated cost:-Rs.108527/-

Earnest money:-Rs.2200/-

Time allowed:-One month.

Name of work:-A/R & M/O on Oddi Kingal road Km.0/000 to 21/405 (SH:-Construction of P.C.C. Causeway at RD.12/660).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	Excavation in soil in hill area by manual means/mechanical means including cutting and trimming of side slope and disposing of excavated earth with in all leads and lifts as per drawing and technical specification clause 1603.10 as per direction of the Engineer-in-charge.	4.05 m ³			Per cubic metre.	
2	Earth work in excavation for structures as per drawing and technical specifications clause 305.1 including setting out, construction of shoring and bracing removal of stumps and other deleterious material and disposal upto all leads and lifts dressing of sides and bottom backfilling in trenches with excavated suitable materials upto all leads and lifts as per directions of the Engineer-in-Charge.	16.25 m ³			Per cubic metre.	
3	Providing and laying concrete for plain/reinforced concrete in open foundation complete as per drawing and technical specification clauses 802,803,1202 and 1203 P.C.C. nominal mix 1:4:8 (40mm aggregates) including entire carriage of materials in all leads and lifts.	14.25 m ³			Per cubic metre.	
4	Providing concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications clause 802,803,1202 & 1203 P.C.C. grade M 20 nominal mix 1:2:4 including entire carriage of materials in all leads and lifts.	3.75 m ³			Per cubic metre.	
Total:-						

Executive Engineer,
Kumarsain Division,
HP PWD. Kumarsain

SCHEDULE OF QUANTITY

Name of work:-Construction of Ambulance Road from NH -5 Dhank Kandiyali Km . 0/000 to 0/735 (SH:-Providing and laying Kharanja stone soling Km.0/ 030 to 0/075 , 0/120 to 0/210 and 0/300 to 0/735).

S.N o.	Sub-Head/Items of work.	Quantity.		Rate.		Unit.	Amounts.
				In fig.	in words		
1	Preparation of sub grade by dressing to camber (Earth work for the cutting involved for sub-grade to be paid for separately depending upon the classification of soil completed as per HP.PWD specifications including entire carriage of materials in all leads and lifts.	1752.15	m2				
2	Consolidation of sub grade with road roller including making good the undulation etc. with earth or quarry soil etc. and re-rolling the sub-grade completed as per HP.PWD specifications including entire carriage of materials in all leads and lifts.	1752.15	m2				
3	Stone soling properly hand packed filling interstices with Kharanja stone and consolidating with power road roller to the required gradient and camber including spreading watering and rolling of binding materials moorum or earth etc. complete as per HP.PWD specification 150 mm spread thickness (finished work including materials and labour) including entire carriage of materials in all leads and lifts.	262.82	m3				
	Total:-						


 Executive Engineer,
 Kumarsain Division,
 HP.PWD., Kumarsain.

SCHEDULE OF QUANTITY

Estimated cost:-Rs.498544/-

Earnest money:-Rs.10000/-

Time allowed:-One month.

Name of work:-Restoration of rain damages on Jogsha Kumarsain road Km.0/000 to 2/400(SH:-Construction of P.C.C Retaining wall at RD.1/520 to 1/528.50 & 1/575 to 1/590).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	Excavation in soil in hill area by manual means/mechanical means including cutting and trimming of side slope and disposing of excavated earth with in all leads and lifts as per drawing and technical specification clause 1603.10 as per direction of the Engineer-in-charge.	20.61 m ³			Per cubic metre.	
2	Earth work in excavation for structures as per drawing and technical specifications clause 305.1 including setting out, construction of shoring and bracing removal of stumps and other deleterious material and disposal upto all leads and lifts dressing of sides and bottom backfilling in trenches with excavated suitable materials upto all leads and lifts as per directions of the Engineer-in-Charge.	30.84 m ³			Per cubic metre.	
3	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203) P.C.C nominal mix 1:5:10 (40mm aggregates) including entire carriage of materials through all modes of transportation with in all leads and lifts as per direction of the Engineer-in-Charge.	90.76 m ³			Per cubic metre.	
4	Providing weapholes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 100mm dia PVC pie extending through the full width 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 entire carriage of materials through all modes of transportation with in all leads and lifts as per direction of the Engineer-in-Charge.	22 Nos			Each.	
5	Back filling behind abutment, retaining wall/breast wall including entire carriage of materials in all leads and lifts.	15.81 Cum			Per cubic metre.	
	Total:-					

Executive Engineer,
Kumarsain Division,
HP.PWD., Kumarsain.

SCHEDULE OF QUANTITY

Estimated cost:-Rs.96289/-

Earnest money:-Rs.2000/-

Time allowed:-One month.

Name of work:-Restoration of rain damages from Dokhari Nallah Rogha Kotgarh via Khobal Nallah Km.0/000 to 2/000(SH:-Removal of slips at various RDs).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	Removal of land slide in hilly area in ordinary rock not requiring blasting by mechanical means including cutting and trimming of slopes and disposal of cut material with in all leads and lifts as per technical specification 302.3.5 and 1611 including entire carriage of materials in all leads and lifts as per direction of Engineer-in-Charge	616.84 m ³			Per cubic metre.	
	Total:-					

Executive Engineer,
Kumarsain Division,
HP.PWD., Kumarsain.

SCHEDULE OF QUANTITY

SCHEDULE OF QUANTITY

Estimated cost:-Rs.156678/-

Estimated cost:-Rs.156678/-

Earnest money:-Rs.3200/-

Time allowed:-One month.

Name of work:-Restoration of rain damages on Phaluli Lauga road Km.0/000 to 1/165 (SH:-Construction of P.C.C Breast wall at RD.0/300 to 0/315)

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	Excavation in soil in hill area by manual means/mechanical means including cutting and trimming of side slope and disposing of excavated earth with in all leads and lifts as per drawing and technical specification clause 1603.10 as per direction of the Engineer-in-charge.	22.50 m3			Per cubic metre.	
2	Earth work in excavation for structures as per drawing and technical specifications clause 305.1 including setting out, construction of shoring and bracing removal of stumps and other deleterious material and disposal upto all leads and lifts dressing of sides and bottom backfilling in trenches with excavated suitable materials upto all leads and lifts as per directions of the Engineer-in-Charge.	1.80 m3			Per cubic metre.	
3	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203) P.C.C nominal mix 1:5:10 (40mm aggregates) including entire carriage of materials through all modes of transportation with in all leads and lifts as per direction of the Engineer-in-Charge.	21.00 m3			Per cubic metre.	
4	Providing weapholes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 100mm dia PVC pie extending through the full width 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 entire carriage of materials through all modes of transportation with in all leads and lifts as per direction of the Engineer-in-Charge.	13 Nos			Each.	
5	Providing and laying 110mm dia high pressure PVC spigot and socket ISI mark including entire carriage of material in all leads and lifts.	170 Rmt.			Rmt.	
	Total:-					

Executive Engineer,
Kumarsain Division,
HP.PWD, Kumarsain.

SCHEDULE OF QUANTITY

Estimated cost:-Rs.366470/-

Earnest money:-Rs.7400/-

Time allowed:-One month.

Name of work:-A/R & M/O on Slapper Tattapani Suni Luhri road Km.103/800 to 120/800 (SH:-Construction of P.C.C Retaining wall at RD. 112/940.60 to 112/950.60).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1.	Excavation in soil in hill area by manual means/mechanical means including cutting and trimming of side slope and disposing of excavated earth with in all leads and lifts as per drawing and technical specification clause 1603.10 as per direction of the Engineer-in-charge.	14.90 m3			Per cubic metre.	
2.	Earth work in excavation for structures as per drawing and technical specifications clause 305.1 including setting out, construction of shoring and bracing removal of stumps and other deleterious material and disposal upto all leads and lifts dressing of sides and bottom backfilling in trenches with excavated suitable materials upto all leads and lifts as per directions of the Engineer-in-Charge.	9.90 m3			Per cubic metre.	
3.	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203) P.C.C nominal mix 1:5:10 (40mm aggregates) including entire carriage of materials through all modes of transportation with in all leads and lifts as per direction of the Engineer-in-Charge.	72.70 m3			Per cubic metre.	
4.	Providing weapholes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 100mm dia PVC pie extending through the full width 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 entire carriage of materials through all modes of transportation with in all leads and lifts as per direction of the Engineer-in-Charge.	34 Nos.			Each.	
5.	Back filling behind retaining wall/breast wall including entire carriage of materials in all leads and lifts.	16.10 m3			Per cubic metre.	
Total:-						

Executive Engineer,
Kumarsain Division,
HP.PWD., Kumarsain.

SCHEDULE OF QUANTITY

Estimated cost:-Rs.485630/-

Earnest money:-Rs.9800/-

Time allowed:-One month.

Name of work:-A/R & M/O on Slapper Tattapani Suni Luhri road Km.103/800 to 120/800 (SH:-Construction of P.C.C Retaining wall at RD. 119/596.20 to 119/601.20).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1.	Excavation in soil in hill area by manual means/mechanical means including cutting and trimming of side slope and disposing of excavated earth with in all leads and lifts as per drawing and technical specification clause 1603.10 as per direction of the Engineer-in-charge.	29.85 m ³			Per cubic metre.	
2.	Earth work in excavation for structures as per drawing and technical specifications clause 305.1 including setting out, construction of shoring and bracing removal of stumps and other deleterious material and disposal upto all leads and lifts dressing of sides and bottom backfilling in trenches with excavated suitable materials upto all leads and lifts as per directions of the Engineer-in-Charge.	5.80 m ³			Per cubic metre.	
3.	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203) P.C.C nominal mix 1:5:10 (40mm aggregates) including entire carriage of materials through all modes of transportation with in all leads and lifts as per direction of the Engineer-in-Charge.	99.30 m ³			Per cubic metre.	
4.	Providing weapholes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 100mm dia PVC pie extending through the full width 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 entire carriage of materials through all modes of transportation with in all leads and lifts as per direction of the Engineer-in-Charge.	20 Nos			Each.	
5.	Back filling behind retaining wall/breast wall including entire carriage of materials in all leads and lifts.	14.85 m ³			Per cubic metre.	
	Total:-					

Executive Engineer,
Kumarsain Division,
HP.PWD, Kumarsain.

SCHEDULE OF QUANTITY

Estimated cost:-Rs.362728/-

Estimated cost:-Rs.7300/-

Estimated cost:-Rs.362728/-


Earnest money:-Rs.7300/-

Time allowed:-One month.

Name of work:-A/R & M/O link road to Hattu Temple Km.0/000 to 6/245 (SH:-Construction of Retaining wall including Crash barrier at RD.1/575 to 1/587).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	Excavation in soil in hill area by manual means/mechanical means including cutting and trimming of side slope and disposing of excavated earth with in all leads and lifts as per drawing and technical specification clause 1603.10 as per direction of the Engineer-in-charge.	14.48 m3			Per cubic metre.	
2	Earth work in excavation for structures as per drawing and technical specifications clause 305.1 including setting out, construction of shoring and bracing removal of stumps and other deleterious material and disposal upto all leads and lifts dressing of sides and bottom backfilling in trenches with excavated suitable materials upto all leads and lifts as per directions of the Engineer-in-Charge.	10.80 m3			Per cubic metre.	
3	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203) P.C.C nominal mix 1:5:10 (40mm aggregates) including entire carriage of materials through all modes of transportation with in all leads and lifts as per direction of the Engineer-in-Charge.	62.40 m3			Per cubic metre.	
4	Providing weapholes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 100mm dia PVC pie extending through the full width 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 entire carriage of materials through all modes of transportation with in all leads and lifts as per direction of the Engineer-in-Charge.	25 Nos			Each.	
5	Back filling behind abutment, retaining wall/breast wall including entire	7.20 m3			Per cubic	

6	Providing and erecting a "W" metal beam crash barrier comprising of 3mm thick corrugated sheet metal rail 70 cm. above road/ground level fixed on ISMC series channel vertical post 150x75x5 mm spaced 2m center to center, 1.8 m high, 1.1 m below ground/road level, all steel part and fittings to be galvanised by hot dip process, all fitting to conform to IS: 1367 and IS : 1364 metal beam rail to be fixed on the vertical post with a spacer of channel section 150x75x5mm, 330mm long complete as per clause 810 including entire carriage of materials in all leads and lifts as per direction of the Engineer-in-Charge.	12.00 Rmt.				Per Running metre.	
	G. Total:-						


 Executive Engineer,
 Kumarsain Division,
 HP, PWD., Kumarsain.

SCHEDULE OF QUANTITY


Estimated cost:-Rs.407917/-

Earnest money:-Rs.8200/-

Time allowed:-One Month.

Name of work:-A/R & M/O on Baragaon Machinehad road Km.0/000 to 21/000(SH:-Providing and laying of hot applied thermoplastic compound 2.5mm thick including Zebra crossing Km.6/000 to 9/000).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	Providing and applying 2.5 mm thick road marking strips (retro-reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser, propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. complete as per direction of Engineer-in-charge and accordance with applicable specifications including entire carriage of materials in all leads and lifts.	609.15 m ²			Per square metre.	
	Total:-					


Executive Engineer,
Kumarsain Division,
HP.PWD., Kumarsain.

SCHEDULE OF QUANTITY.SCHEDULE OF QUANTITY.

Estimated Cost:-Rs.494126/-

Earnest money:-9900/-


Time allowed:-One month.

Name of work:-Improvement of Old H.T road from Koti to Kingal Km.0/000 to 2/800 (SH:-Removal of formation difficiency in Km.1/390 to 1/765).

S.No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	5/7 meters wide (5 meters wide in straight and 7 meters on curves) Excavation in soil in hilly area by mechanical means including cutting and trimming of side slopes and disposal of excavated earth in all height and depths in all kinds of soil, including saturated soil comprising of pick work, jumper work and blasting work both in soft and hard rock with chiseling and wedging out of rock where blasting is prohibited and their intermediate classification of soils including dewatering wherever required, setting out true to the required lines, grades, side, slopes, trimming of bottom and levels as shown on the drawing and as directed by the Engineer, in Charge, at site according to the HP.PWD specification of 1990 volume-I and sorting out useful and un-useful material and stacking the same in all leads and lifts and transportation of the un serviceable materials for filling in roadways, embankment s for grade improvement and leveling to required grades and then disposing of all surplus excavated materials in acquired width of the road or on approved dumping site sites through all labours machineries materials, tools, equipments and safety measures and other incidental necessary to complete the work by mechanical means and or labour if any required. The recovery for stones, whether useful or not for 210.55 (One hundred ten point fifty five) Cubic Meter in all cases at the rate of Rupees 300/- only (Rupees three hundred only) per cubic meter shall be effected on pro rata basis in all circumstances. Any loss to the public and private property during the course of excavation shall be the absolute responsibility of the contractor, which shall have to be duly compensated by him in all cases.	2114.18 m3			Per cubic metre.	
	G.Total:-					

Note:-The following materials will be issued from P.W.D Store at Kumarsain.

- | | | |
|---|-----------------------------|------------------------|
| 1 | Gelatine @ Rs.88.53/Per Kg. | } +3% storage charges. |
| 2 | Detonator @ Rs.3.39/Each. | |
| 3 | S.F coil @ Rs.31/Coil | |


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HP.PWD., Kumarsain.

SCHEDULE OF QUANTITY

Estimated cost:-Rs.382551/-

Earnest money:-Rs.7700/-

Time allowed:-One month.

Name of work:-A/R & M/O on approach road to Rest House Kotgarh Km.0/000 to 0/500(SH:-Providing and laying Gr.III,Tack coat, Premix carpet & Seal coat).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	WBM Grading 3:-Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 KN in stages to proper grade and camber, applying and brooming, stone screening to fill up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical specification clause 405 By manual means(Pot hole) including entire carriage of materials in all leads and lifts.	33.39 m3			Per cubic metre.	
2	Providing and applying primer coat with Bitumen emulsion (SS-I) on prepared surface of granular base including cleaning of road surface and spraying primer at the rate of 0.70 -1.00 Kg/Sqm. using mechanical means as per Technical Specification Clause 502 with in all leads & lifts complete as per directions of the Engineer-in-Charge.	445.25 m2			Per square metre.	
3	Providing and applying tack coat with bitumen emulsion (RS-I) using emulsion distributor at the rate of 0.25 to 0.30 Kg. per Sqm. on prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specifications Clause 503 including entire carriage of materials in all leads and lifts.	1584.50 m2			Per square metre.	
4	Providing, laying and rolling of open-graded premix carpet of 20mm thickness composed of 13.2mm to 5.6 mm aggregates either using penetration grade bitumen or emulsion to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant, laying and rolling with a three wheel 80-100 KN static roller capacity, finished to required level and grades to be followed by seal coat of either Type A or Type B or Type C as per Technical Specification Clause 508 By Manual Means including entire carriage of materials in all leads and lifts.	1584.50 m2			Per square metre.	
5	Seal coat:-Providing and laying seal coat sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type B as per Technical Specification Clause 510 by manual Means Type B Bitumen (VG-10)including entire carriage of materials in all leads and lifts.	1584.50 m2			Per square metre.	
Total:-						

Note :-Bitumen VG-10 & emulsion (SS-I) will be supplied by department.

Executive Engineer,
Kumarsain Division,
HP.PWD., Kumarsain.