



**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

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

No. PW-KMS-AB-NIT/2021-22-
To

14150-52

Dated: - 17/3/2021

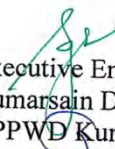
✓ The Executive Engineer (IT Cell),
HP, PWD, Shimla-2

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 Superintending Engineer, 11th Circle,
HP.PWD., Rampur Bsr. for information please.

Copy to Drawing Branch in this office.


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 **25.03.2022** up to **10:00 AM** and will be opened on same day at **11:00 AM**. 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 **24.03.2022** up to **1.00 PM**. The tender form can be had from his office against cash payment (Non-refundable) on **24.03.2022** up to **5.00 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 Ambulance road from NH-5 to Dhank Kandyali Km.0/000 to 5/000(SH:-C/O PCC R/Wall at Rd.0/300 to 0/315 & C/O Hume Pipe Culvert 900mm dia at Rd.0/600). Estimated Cost:- 4,91,877/- Earnest Money:- 9900/- Time allowed: -Two Months.
2. **Name of Work:-** Improvement of link road from Bhanana to Serthi Km.0/000 to 3/665 (SH:- C/O PCC R/Wall at Rd.2/690 to 2/705). Estimated Cost.4,11,752/- Earnest Money:- 8500/- Time allowed: -Two Months.
3. **Name of Work:-** A/R&M/O on Oddi Kingal road Km.0/000to 21/405 (SH:- C/O PCC R/Wall at Rd.3/990 to 4/010 & 4/233 to 4/240).Estimated Cost: -4,69,604/- Earnest Money:- 9,400/- Time allowed: -One Month.
4. **Name of Work:-** R/O Snow Damage on link road to Hattu Temple Km.0/000to 6/250 (SH:- Hiring of JCB Excavator front end loader for removal of snow/slips between Km.0/000 to 6/250). Estimated Cost: - 4,62,350/- Earnest Money: 9300/- Time allowed: -Three Months.
5. **Name of Work:-** C/O link road from Reheshwa to Banka Jubber Km.0/000 to 1/110(SH:- Formation Cutting 5/7 mtrs wide road in Km.0/495 to 0/645). Estimated Cost: - 2,06,146/- Earnest Money: 4200/- Time allowed: -One Month.
6. **Name of Work:-** Construction of road from Dudhlidharti to Nagali Harijan Basti Sheel Km.0/000 to 3/985 (SH:-Formation Cutting 5/7 mtrs wide road in Km.0/000 to 0/090).Estimated Cost: - 3,95,091/- Earnest Money: 7910/- Time allowed: -Two Months.
7. **Name of Work:-** R/O R/D on link road Jimmu Nalla Jal Km.0/000 to 5/000(SH:-C/O PCC R/Wall at Rd./1/325 to 1/335 & 1/405 to 1/415).Estimated Cost: - 4,40,194/- Earnest Money: 8900/- Time allowed: -One Month.
8. **Name of Work:-** R/O R/D on link road to village Konthru Km.0/000 to 5/000 (SH:- C/O PCC R/Wall at Rd.1/615 to 1/628 & 3/910 to 3/925). Estimated Cost.4,89,610/- Earnest Money:- 9800/- Time allowed: -Two Month.
9. **Name of Work:-** C/O Ambulance road from Devri to Tushar Km.0/000 to 1/705(SH:-Formation Cutting 2.75/5.00 mtrs wide road in Km.0/240 to 0/540). Estimated Cost.4,98,753/- Earnest Money:- 10,000/- Time allowed: -Three Months.
10. **Name of Work:-** A/R & M/O on Oddi Kingal road Km.0/000 to 21/405 (SH:- C/O Wire Crates R/Wall at Rd.2/787 to 2/795). Estimated Cost.67,301/- Earnest Money:- 1400/- Time allowed: -One Month.
11. **Name of Work:-** C/O link road from Kotgarh Kulka Sudmu road Km.0/000 to 2/500(SH:- C/O PCC V-Shape Side drain Km.0/850 to 1/730).Estimated Cost.4,42,035/- Earnest Money:- 8900/- Time allowed: -One Month.
12. **Name of Work:-** A/R & M/O on various roads under Baragaon Sub-Division (SH:- Supplying & Stacking of Sand, Stone Aggregate 53mm to 22.4 mm Grading-3). Estimated Cost.2,39,648/- Earnest Money:- 5000/- Time allowed: -One Month.

13. **Name of Work:-** R/O R/D on Oddi Khaneti Kotgarh road Km.0/000 to 21/000(SH:-C/O PCC R/Wall at Rd.8/595 to 8/607 & 8/690 to 8/695). Estimated Cost.4,73,801/- Earnest Money:- 9500/- Time allowed: -One Month.
14. **Name of Work:-** A/R&M/O on link road to village Bargal Km.0/000 to 4/500(SH:- P/L hot applied thermoplastic compound 2.5mm i/c Zebra crossing in Km.0/000 to 4/500).Estimated Cost.3,10,537/- Earnest Money:- 6300/- Time allowed: -One Month.
15. **Name of Work:-** A/R&M/O on Baragaon Machinkhad road Km.0/000 to 14/000(SH:-P/L Wet Mix Macadam and Priming Coat SS-I between Km.6/000 to 8/000 at various Rds).Estimated Cost.4,42,640/- Earnest Money:- 8900/- Time allowed: -One Month.
16. **Name of Work:-** A/R&M/O on Baragaon Machinkhad road Km.0/000 to 14/000(SH:-P/L Wet Mix Macadam and Priming Coat SS-I between Km.8/000 to 9/000 at various Rds).Estimated Cost.2,76,664/- Earnest Money:- 5600/- Time allowed: -One Month.
17. **Name of Work:-** Construction of link road from Harijan Basti Shanand to Sheel Km.0/000 to 2/200(SH:- C/O Wire Crate R/Wall at Rd.1/460 to 1/510).Estimated Cost: - 4,07,564/- Earnest Money: 8200/- Time allowed: -One Month.
18. **Name of Work:-** C/O of Kainthalghatti to Hathiya via Prod Mandir Km.0/000 to 2/500 (SH:-C/O Wire Crate R/Wall at Rd.1/256 to 1/320).Estimated Cost:-4,86,447/- Earnest Money: 9800/- Time allowed: -One Month.
19. **Name of Work:-** C/O of Kainthalghatti to Hathiya via Prod Mandir Km.0/000 to 2/500 (SH:-C/O Wire Crate R/Wall at Rd.1/870 to 1/895).Estimated Cost:-4,99,364/- Earnest Money: 9000/- Time allowed: -One Month.
20. **Name of Work:-** A/R&M/O on A.E Residence & 3 Nos Staff Quarters at Kumarsain(SH:- Repair of roofing, stairs, Cupboard & flooring etc).Estimated Cost:-4,91,288/- Earnest Money: 9800/- Time allowed: -One Month.
21. **Name of Work:-** A/R & M/O of PWD Rest House Chowkidar Residence Type-I Qtr at Kumarsain (SH:- Roofing, Flooring, Ceiling, Wood Work & Steel Work in stair etc).Estimated Cost:- 2,77,112/- Earnest Money: 5600/- Time allowed: -One Month.
22. **Name of Work:-** A/R&M/O of Staff Quarter Near PNB at Kumarsain (SH:- Cleaning of Septic Tank).Estimated Cost:-49,720/- Earnest Money: 1000/- Time allowed: -One Month.
23. **Name of Work:-** R/O R/D on Barthanighatti Thaya Bajwa road Km.0/000 to 1/765 (SH:- C/O Wire Crate R/Wall at Rd.1/110 to 1/118.40). Estimated Cost.1,30,698/- Earnest Money:- 2700/- 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 90days.
- Note:- The rates quoted by the contractors should be 5% above to 30 % below only otherwise the tenders will be rejected.

No.PW-KMS-AB-NIT/2021-22-

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.

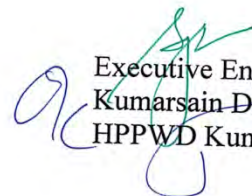
Executive Engineer,
Kumarsain Division
HP.PWD, Kumarsain

Dated:- 16/03/2022

Executive Engineer,
Kumarsain Division,
HP.PWD, Kumarsain

CERTIFICATE

CERTIFIED THAT THE TENDERS OF WORKS,
AS CALLED VIDE THIS OFFICE LETTER NO. PW-KMS-AB-NIT/
2021-22- 14/02-49 DATED 16-3-2022 ARE URGENT NATURE
AND PUBLIC INSTREST.


Executive Engineer,
Kumarsain Division,
HPPWD Kumarsain

HIMACHAL PRADESH

SCHEDULE OF QUANTITY

Estimated cost:-Rs.4,91,877/-

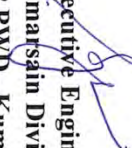
Earnest money:-Rs.9900/-

Time allowed:-Two months.

Name of work:-Improvement of Ambulance road from NH-5 to Dhank Kandiya Km , 0/000to 5/000 (SH:-Construction of P.C.C Retaining wall at RD.0/300 to 0/315 & Construction of Hume pipe culvert 900mm Dia at Rd , 0/600).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	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.	70.03 m ³			Per cubic metre.	
2	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203) 1:6:12 including entire carriage of materials in all leads and lifts.	1.88 m ³			Per cubic metre.	
3	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 10 nominal mix 1:3:6 including entire carriage of materials in all leads and lifts.	10.95 m ³			Per cubic metre.	
4	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.	66.45 m ³			Per cubic metre.	
5	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 (25mm aggregates). including entire carriage of materials in all leads and lifts.	2.22				

6	Providing and laying reinforced cement concrete pipe NP2 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 but excluding excavation, protection work, back filling, concrete and masonry work in head walls and parapets clause 1108, 900mm.including entire carriage of materials in all leads and lifts.	5.00 Rmt.			Per running metres	
7	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.	36 Nos			Each.	
8	Back filling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8 Granular material including entire carriage of materials in all leads and lifts.	8.10 m3			Per cubic metre.	
Total:-						


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

SCHEDULE OF QUANTITY

Estimated cost:-Rs.4,11,752/-
Earnest money:-Rs.8500/-
Time allowed:-Two months.

Name of work:-Improvement of link road from Bhanana to Serthi Km , 0/000 to 3/665 (SH:-Construction of P.C.C Retaining wall at RD. 2/690 to 2/705).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	Excavation in foundation trenches etc. in earth work. lift upto 1.50 metres stacking the excavated soil not more than 3 metres clear from the edge of the excavation and then returning the stacked soil in 15 cm.layers. when required into plinths sides of foundations etc., consolidating each deposited layer by ramming and watering and then depositing of all surplus excavated earth as directed with in a lead of 20 metres. including entire carriage of materials in all leads and lifts.	11.64 m3			Per cubic metre.	
2	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.	74.25 m3			Per cubic metre.	
3	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.	30 Nos			Each.	
4	Back filling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3,8 Granular material including entire carriage of materials in all leads and lifts.	21.60 m3			Per cubic metre.	
Total:-						


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

SCHEDULE OF QUANTITY

Estimated cost:- Rs.469604/-
Earnest money:-Rs.9400/-
Time allowed:- One month.

Name of work:-A/R & M/O on Oddi Kingal road Km.0/0 to 21/405/SF:-Construction of P.C.C Retaining wall at RD.3/990 to 4/010 & 4/233 to 4/240).

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.	18.23 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.	26.05 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.	85.32 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.	46 Nos			Each.	
5	Back filling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8 Granular material including entire carriage of materials in all leads and lifts.	19.99 m3			Per cubic metre.	
Total:-						


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

SCHEDULE OF QUANTITY

Estimated cost:-Rs.462350/-
Earnest money:-Rs.9300/-

Time allowed:-Three months.

Name of work:-Restoration of snow damages on link road to Hattu Temple Km.0/000 to 6/250 (SH:-Hiring of (JCB) Excavator front end loader for removal of snow/slips between Km.0/000 to 6/250).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	in words.		
1	Hiring of (J.C.B) Excavator front end loader I cum. Bucket capacity for removal of snow/slips including P.O.L. as per direction Engineer- in-Charge Any loss to Public and Private Property during the course of execution and disposal of serviceable/unserviceable materials shall be absolute responsibility of the contractor which shall be duly compensated to the full extent him in all respect and in all cases.	350.00 Hours			Per Hour.	
Total:-						


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

SCHEDULE OF QUANTITY.

Estimated Cost:-Rs.206146/-

Earnest money :-4200/-

Time allowed:- One month.

Name of work:-Construction of link road from Reheshwa Banka Jubber Km.0/000 to 1/110 (SH:-Formation cutting 5/7 mtr. wide road Km.0/495 to 0/645).

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 73.07 (Seventy three point seven) Cubic Meter in all cases at the rate of Ruppes 300/- only (Ruppes 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.	1034.40 m ³			Per cubic metre.	
G.Total:-						

Note:-The following materials will be issued

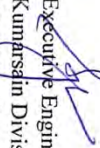
from P.W.D Store at Kumarsain.

1 Gelatine @ Rs.88.53/Per Kg.

2 Detonator @ Rs.3.39/Each.

3 S.F coil @ Rs.31/Coil

+3% storage charges.


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

SCHEDULE OF QUANTITY.

Estimated Cost:-Rs.395091/-
Earnest money:-7910/-

Time allowed:-Two months.

Name of work:-Construction link road from Dudhldharti to Nagali Harizen Basti Sheel Km.0/000 to 3/985 (SH:-Formation cutting 5/7 mtr. wide road in Km.0/000 to 0/090).

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-1 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 200.61 (Two hundred point sixty one) 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.	1561.50 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.
 - 2 Detonator @ Rs.3.39/Each.
 - 3 S.F coil @ Rs.31/Coil
- +3% storage charges.


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

SCHEDULE OF QUANTITY

Estimated cost:-Rs.4,40,194/-
 Earnest money:-Rs.8900/-
 Time allowed:-One month.
Name of work:-Restoration of rain damages on link road Jimmu Nallha Jal Km , 0/000to 5/000 (SH:-Construction of P.C.C Retaining wall at RD.1/325 to 1/335 & 1/405 to 1/415).

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.	13.10 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.	8.30 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.	84.50 m ³			Per cubic metre.	
4	Providing weaphotes 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.	24 Nos			Each.	
5	Back filling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8 Granular material including entire carriage of materials in all leads and lifts.	11.70 m ³			Per cubic metre.	
Total:-						


 Executive Engineer,
 Kumarsain Division,
 HP JWD, Kumarsain.

SCHEDULE OF QUANTITY

Estimated cost:-Rs.4,89,610/-
 Earnest money:-Rs.9800/-
 Time allowed:-Two months.
Name of work:-Restoration of rain damages on link road to Village Konthru Km , 0/000to 5/000 (SH:-Construction of P.C.C Retaining wall at RD.1/615 to 1/628 & 3/910 to 3/925).

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.	13.56 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.	26.25 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.	92.62 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(1) 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.	28 Nos			Each.	
5	Back filling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8 Granular material including entire carriage of materials in all leads and lifts.	15.24 m3			Per cubic metre.	
Total:-						


 Executive Engineer,
 Kumarsain Division,
 HP.P.W.D., Kumarsain.

SCHEDULE OF QUANTITY.

Estimated Cost:-Rs.498753/-

Earnest money:-10000/-

Time allowed:-Three months.

Name of work:-Construction of Ambulance road from Devri to Tusher Km.0/000 to 1/705(SH:-Formation cutting 2.75/5.00 mtr. wide road between Km. 0/240 to 0/540).

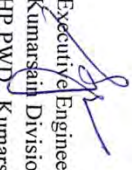
S.No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	2.75/5.00 meters wide (2.75 meters wide in straight and 5.00 meters on curves) Excavation in soil in hilly area by mechanical means including cutting and trimming of side slopes and disposal of excavated earth in all 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 330.63 (Three hundred thirty point sixty three) 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.	1562.41 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.
- 2 Detonator @ Rs.3.39/Each.
- 3 S.F coil @ Rs.31/Coil

+3% storage charges.


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

SCHEDULE OF QUANTITY

Estimated cost:-Rs.67301/-
 Earnest money:-Rs.1400/-
 Time allowed:-One month.
 Name of work:-A/R & M/O on Oddi Kingal road Km.0/000 to 21/405 (SH:-Construction of wire crates retaining wall at RD.2/787 to 2/795).

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.	10.29 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.	2.52 m3			Per cubic metre.	
3	Providing and laying of boulder apron laid in wire crates with 4mm dia G.I 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.	24.19 m3			Per cubic metre.	
Total:-						


 Executive Engineer,
 Kumarsain Division,
 HP PWD, Kumarsain.

SCHEDULE OF QUANTITY

Estimated cost:-Rs.442035/-

Earnest money:-Rs.8900/-

Time allowed:-One month.

Name of work:-Construction of link road from Kotgarh Kulka Sudmu Km.0/000 to 2/500(SH:-C/O P.C.C V-Shape side drain Km.0/850 to 1/730).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	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.	93.15 m ³			Per cubic metre.	
2	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 10 mechanical mix 1:3:6 including entire carriage of materials in all leads and lifts.	63.23 m ³			Per cubic metre.	
Total:-						

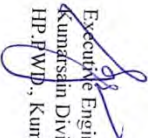

 Executive Engineer,
 Kumarsain Division,
 HP.PWD., Kumarsain.

SCHEDULE OF QUANTITY

Name of work:- Restoration of rain damages on Oddi Khaneti Kotgarh road Km. 0/000 to 21/000(SH:-Construction of PCC Retaining wall at RD.8/595 to 8/607 & 8/690 to 8/695).

Estimated cost:- Rs.473801/-
 Earnest money:- Rs.9500/-
 Time allowed:- One month.

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	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.	28.08 m3			Per cubic metre.	
2	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.	85.00 m3			Per cubic metre.	
3	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.	60 Nos			Each.	
4	Back filling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8 Granular material including entire carriage of materials in all leads and lifts.	15.30 m3			Per cubic metre.	
Total:-						


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

REBUTAL QUANTITY

Estimated cost:-Rs.310537/-

Earnest money:-Rs.6300/-

Time allowed:-One Month.

Name of work:-A/R & M/O on link road to village Bargal Km.0/000 to 4/500(SH:-Providing and laying of hot applied thermoplastic compound 2.5mm thick including Zebra crossing Km.0/000 to 4/500).

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 heads and lifts.	463.73 m2			Per square metre.	
Total:-						


 Executive Engineer,
 Kumarsain Division,
 HP.P.W.D., Kumarsain.

SCHEDULE OF QUANTITY

Estimated Cost:-Rs.276664/-

Earnest Money:-Rs.5600/-

Time:-One month.

Name of work:- A/R & M/O on Baragaon Machinehad road Km. 0/000 to 14/000 (SH:- Providing and laying Wet Mix Macadam and Priming coat SS-1 between Km.8/000 to 9/000 at various RDS).

S.N o.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			in fig.	in words		
1	2	3	4	5	6	7
1	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer(Pug mill) carriage of mixed material by tipper to site, laying in uniform layers in sub base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100 KN weight to achieve the desired density including lighting, barricading and maintenance of diversion etc. as per Tables 400.11 & 400.12 and Technical specification clause 406 by mechanical means including entire carriage of materials in all leads and lifts.	75.38 m3			Per Cubic Metre	
2	Providing and applying primer coat with bitumen emulsion (SS-1) 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 Low porosity including entire carriage of materialsplants and equipments by all modes of transportation with in all leads and lifts and as per direction of Engineer-in-Charge.	1005.00 m2			Per Square Metre.	
Total:-						


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

SCHEDULE OF QUANTITY

Estimated Cost:-Rs.442640/-

Earnest Money:-Rs.8900/-

Time:-One month.

Name of work:-A/R & M/O on Baragoun Machinehad road Km. 0/000 to 14/000 (SH:-Providing and laying Wet Mix Macadam and Priming coat SS-I between Km.6/000 to 8/000 at various RDS).

S.N o.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			in fig.	in words		
1	2	3	4	5	6	7
1	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer(Pug mill) carriage of mixed material by tipper to site, laying in uniform layers in sub base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 100 kN weight to achieve the desired density including lighting, barricading and maintenance of diversion etc. as per Tables 400.11 & 400.12 and Technical specification clause 406 by mechanical means including entire carriage of materials in all leads and lifts.	120.60 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 Low porosity including entire carriage of materialsplants and equipments by all modes of transportation with in all leads and lifts and as per direction of Engineer-in-Charge.	1608.00 m2			Per Square Metre.	
Total:-						


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

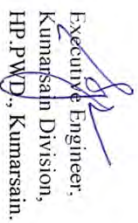
SCHEDULE OF QUANTITY

Estimated cost:-Rs.407564/-
Earnest money:-Rs.8200/-

Time allowed:-One month.

Name of work:-Construction of link road from HarijanBasti Shanad to Sheel Km. 0/000 to 2/200(SH:-Construction of wire crates Retaining wall at RD.1/460 to 1/510).

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.	52.50 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.	19.50 m ³			Per cubic metre.	
3	Providing and laying of boulder apron laid in wire crates with 4mm dia G.I 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.	145.16 m ³			Per cubic metre.	
Total:-						


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

SCHEDULE OF QUANTITY

Estimated cost:-Rs.499364/-
 Earnest money:-Rs.9000/-
 Time allowed:-One month.
 Name of work:-Construction of Kainthalghati to Hariya via Proad Mandir Km.0/000 to 2/500 (SH-1) Construction of wire crates retaining wall at RD.1/870 to 1/895).

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.	37.50 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.	12.00 m ³			Per cubic metre.	
3	Providing and laying of boulder apron laid in wire crates with 4mm dia G.I 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.	165.89 m ³			Per cubic metre.	
Total:-						


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

SCHEDULE OF QUANTITY

Estimated cost:-Rs.486447/-
 Earnest money:-Rs.98000/-
 Time allowed:-One month.
 Name of work:-Construction of Kainthalghati to Hatya via Proad Mandir Km.0/000 to 2/500 (SH:-Construction of wire crates retaining wall at RD.1/256 to 1/320).

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.	96.00 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.	23.04 m3			Per cubic metre.	
3	Providing and laying of boulder apron laid in wire crates with 4mm dia G.I 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 m3			Per cubic metre.	
Total:-						


 Executive Engineer,
 Kumarsain Division,
 HP.RWD, Kumarsain.

SCHEDULE OF QUANTITY

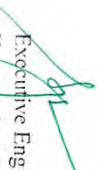
Estimated cost:-Rs.130698/-

Earnest money:-Rs.2700/-

Time allowed:-One month.

Name of work:-**Restoration of rain damages on Barthanighati Thaya Baiwa road Km.0/000 to 1/765 (SH:-Construction of wire crate Retaining wall at RD.1/110 to 1/118.40).**

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.	12.10 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.	3.02 m ³			Per cubic metre.	
3	Providing and laying of boulder apron laid in wire crates with 4mm dia G.I 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.	48.38 m ³			Per cubic metre.	
Total:-						


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

SCHEDULE OF QUANTITY

Estimated cost:-Rs.49720/-

Earnest money:-Rs.1000/-

Time allowed:-One month.

Name of work:-A/R & M/O on Staff Quarter building near Punjab National Bank at Kumarsain(SH:-Clearing of Septic tank).

S. No.	Sub-Head/Items of work.	Quantity.	Rate.		Unit.	Amount.
			In fig.	In words.		
1	Clearing of septic tank (upto 15 cum. Vol) of all accumulated sludge and waste water along with the disposal of this sludge & Waste water far from Habitation in a eco-friendly manner Adhering to the guidelines of Government and local bodies including entire carriage of materials in all leads and lifts.	1 No.			Each.	
Total:-						


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

SCHEDULE OF QUANTITY

Estimated Cost:-Rs.487248/-

Earnest money:-9800/-

Time allowed:-One month.

Name of work:-A/R & M/O on Assistant Engineer Residence & 3 Nos. staff quarter at Kumarsain (SH:-Repair of roofing, Stairs, Cupboard & flooring etc.).

S.No.	Sub-Head/Items of work.	Quantity.	Rates.		Unit.	Amount.
			In Fig.	In Words.		
1	2	3	4	5	6	7
1	Providing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required 0.63 mm thick with zinc coating not less than 275 gm/ m ² including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	44.55 m ²			Per square metre.	
2	Providing wood work in trusses, purlins, rafters, posts, post plates, wall plates and the like wrought framed, hoisted and fixed in position including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	0.27 m ³			Per cubic metre.	

3	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	8.61 m ²			Per square metre.	
4	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	26.17 m ²			Per square metre.	
5	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :470x420 mm bowl depth 178 mm including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	1 No.			Each.	
6	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete 32 mm dia including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	4 No.			Each.	

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 etc. as required including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.					
7.01	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete.	209.00 Kg.			Per kilogramme.	
7.02	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	593.95 Kg.			Per kilogramme.	
8	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer G.I. pipes including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	44.64 Kg.			Per kilogramme.	
9	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :100x10 mm including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	20 Nos.			Each.	
10	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete 125mm including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	120 Nos.			Each.	

11	Providing and fixing veneered decorative plywood lining with decorative surface on one face with butt jointing and nails (frame work and cover fillets to be measured and paid for separately) 4 mm thick ply-3ply including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	14.05 m2			Per square metre.	
12	Providing and fixing 2mm thick PVC antistatic vinyl Flooring plain or coloured, carbed or mosaic/metalled finish laid with approved adhesive on sub-floor (damp proofing treatment to be paid for separately) including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	6.74 m2			Per square metre.	
13	Providing and fixing 19mm thick water proof commercial board in shelves/box for cup board with butt joints & fixing with nails & screws etc complete) including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	109.51 m2			Per square metre.	
14	Providing and fixing 19mm thick Commercial Board water proof shutters for cup boards i/c fixing with nickel plated piano hinges with screws etc complete) including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	76.74 m2			Per square metre.	
15	Providing and fixing magnetic catcher of approved quality in cupboard / ward robe shutters, including fixing with necessary screws etc. complete Triple strip vertical type including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	120 Nos.			Each.	

16	Providing and fixing sliding arrangement in racks/ cupboards/cabinets shutter by with stainless steel rollers to run inside C or E aluminium channel section (The payment of C or E channel shall be made separately) including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	8 Nos.	Each.	
17	Providing and fixing square edges cover fillets (beading) 19mmx6mm section i/c mitring at junctions with wood screws and nails complete 1st class deodar wood including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	245.75 Rmt.	Per Running metre.	
Total:-				


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

SCHEDULE OF QUANTITY

Estimated Cost:-Rs.277112/-
Earnest money:-5600/-
Time allowed:-One month.

Name of work:-A/R & M/O of PWD Rest House Chowkidar Residence Type-I Quarter at Kumarsain. (SH:-Roofing, flooring, ceiling wood work & steel work in stair etc.).

S.No.	Sub-Head/Items of work.	Quantity.	In Fig.	Rates. In Words.	Unit.	Amount.
			4	5		
1	2	3			6	7
1	Dismantling roofing including ridges, hips, valleys and gutters etc., and stacking the material within 50 metres lead of: Asbestos cement sheet including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	67.35 m2			Per square metre.	
2	Providing and fixing 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 microns over 5 microns primer coating to back coat of polyester of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia metre with prepainted limpet and rubber washers complete with all accessories as required including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	77.31 m2			Per square metre.	

3	Providing and fixing ridges or hips 60 cm overall with 0.60mm thick pre-painted steel sheets in roofing with hot dipped metallic zinc coated sheets with top coat of regular modified polyester organic coating of 20 microns over 5 microns primer coating + back coat of polyester of 5 microns over 5 microns primer coating i/c fixing with pre-painted iron J or L hooks, bolts & nuts 6mm dia & pre-painted G.I. limpet and bitumen washers complete with all accessories as required including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	9.30 Rmt.			Per running metre.	
4	Providing woodwork in frames of doors, windows, clerestory, windows and other frames wrought, framed and fixed in position 2nd class deodar wood including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	0.12 m3			Per cubic metre.	
5	Providing wood work in trusses, purlins, rafters, posts, post plates, wall plates and the like wrought framed, hoisted and fixed in position including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	0.25 m3			Per cubic metre.	
6	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments etc., complete including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	4.59 m2			Per square metre.	

7	Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption less than 0.08% and conforming to IS: 15622, of approved make, in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand), jointing with grey cement slurry @ 3.3 kg/ sqm including grouting the joints with white cement and matching pigments etc. size of tile 600x600mm including carriage through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	12.92 m ²			Per square metre.	
8	Providing and fixing Stainless Steel A ISI 304 (18/8) kitchen sink as per IS:13983 with C.I. brackets and stainless steel plug 40 mm, including painting of fittings and brackets, cutting and making good the walls wherever required :470x420 mm bowl depth 178 mm including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	2 Nos.			Each.	
9	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete 32 mm dia including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	2 Nos.			Each.	
10	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 etc. as required including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.					
10.01	In stringers, treads, landings etc. of stair cases, including use of chequered plate wherever required, all complete.	157 Kg.			Per kilogramme.	
10.02	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	461.75 Kg.			Per kilogramme.	

11	Providing and fixing hand rail of approved size by welding etc. to steel ladder railing, balcony railing, staircase railing and similar works, including applying priming coat of approved steel primer G.I. pipes including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	33.48 Kg.			Per kilogramme.	
12	Providing and fixing panelled glazed or panelled and glazed shutters for doors windows and clerestory windows. Including black enamelled iron butt hinges with necessary screws 35mm thick deodar wood including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	2.36 m2			Per square metre.	
13	Providing and fixing wire gauge shutters using galvanised M.S. wire gauge of I.S. gauge designation 85 G. with wire of dia 0.56 mm for doors windows and clerestory windows including bright finished black enamelled iron hinges with necessary screws 2nd class deodar wood including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	2.36 m2			Per square metre.	
14	Providing and fixing aluminium tower bolts, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete :100x10 mm including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	6 Nos.			Each.	

15	Providing and fixing aluminium handles, ISI marked, anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade, with necessary screws etc. complete 125mm including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	6 Nos.		Each.	
16	Providing and fixing prepainted steel sheet ceiling with prepainted steel sheet in panets of MS base frame in ceiling with screws and MS beading 40x2mm complete (MS base frame to be measured and paid for separately) including carriage of materials through all modes of transportations with in all leads and lifts and as per HP.PWD. specifications of 1990 volume-I and as per direction of Engineer-in-charge.	12.92 m ²		Per square metre.	
Total:-					


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