

# HIMACHAL PRADESH PUBLIC WORKS DEPARTMENT (B&R) DIVISION KOTKHAJ



## \*H.P.PWD TENDERS\*

Sealed item rate tenders on form No. 6 are invited by the Executive Engineer, Kotkhai Division, HPPWD: Kotkhai for the following works from the approved and eligible contractors enlisted in HP:PWD, so as to reach in his office on or before 25-11-2023 upto 11:00 A.M. and will be opened on the same day at 12:00 noon. in the presence of the intending contractors or their authorized representatives. The tender forms can be had from his office against cash payment on 24-11-2023 upto 11:00 A.M. to 3:00 P.M. The earnest money in the shape of National Saving Certificate / Time deposit account / saving bank account / FDR in any of the Post Office in Himachal Pradesh duly pledged in the name of the undersigned must accompany with each tenders. The tender form will be issued on contractor giving proof of enlistment, GST. Conditional tender and tender received without earnest money will be out rightly rejected. The offer of the tender shall be kept open for 10 days. The Executive Engineer reserves the right to reject any or all the tenders without assigning any reasons.

The draft NIT and other specifications and conditions of the tender can be seen by the contractors in the office of the undersigned on any working day during the office hours.

| Job No. | Name of Work   | Estimated Cost | Earnest Money | Cost of Tender | Time    | Eligible class of Contractor |
|---------|--|----------------|---------------|----------------|---------|------------------------------|
| 1.      | R/R damages on Pujali to Satral road Km 0/00 to 1/00 (SH:- C/o B/wall at Rd 0/365 to 0/405)  | Rs. 4,71,413/- | Rs. 9500/-    | Rs. 350/-      | 30 Days | Class D & Class C            |
| 2.      | R/R Damages on Link to Reot road Km 0/00 to 2/225 (SH:- C/o R/wall at Rd 1/405 to 1/424)   | Rs. 4,99,718/- | Rs. 10,000/-  | Rs. 350/-      | 30 Days | Class D & Class C            |
| 3.      | R/R Damages on Bakhrala to Arihala road km 0/00 to 8/00 (SH:- C/o R/wall at Rd 6/115 to 6/130)   | Rs. 2,72,283/- | Rs. 5500/-    | Rs. 350/-      | 30 Days | Class D & Class C            |
| 4.      | R/R Damages on link road to Khola road km 0/00 to 3/500 (SH:- C/o B/wall in wire in Crate and P.C.C at R.d 0/485 to 0/497, 0/507 to 0/521, 0/532 to 0/545) | Rs. 4,78,392/- | Rs. 9600/-    | Rs. 350/-      | 30 Days | Class D & Class C            |
| 5.      | R/R Damages on Nohra Chouri Baghal road Km 0/00 to 14/00 (SH:- C/o B/wall in P.C.C & wire crate at Rd 2/945 to 2/962.50)                                   | Rs. 2,40,343/- | Rs. 4900/-    | Rs. 350/-      | 30 Days | Class D & Class C            |
| 6.      | R/R Damages on Deem Nagan road km 0/00 to 5/500 (SH:- C/o R/wall at R.d 1/162 to 1/171 & 5/045 to 5/064)   | Rs. 4,98,915/- | Rs. 10,000/-  | Rs. 350/-      | 30 Days | Class D & Class C            |

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|     |  |                   |                 |              |            |                      |
|-----|--|-------------------|-----------------|--------------|------------|----------------------|
| 7.  | R/R Damages on Mail Matlu road Km 0/00 to 6/315 (SH:- C/o R/wall at Rd 2/470 to 2/492)   | Rs.<br>4,29,928/- | Rs. 8600/-      | Rs.<br>350/- | 30<br>Days | Class D<br>& Class C |
| 8.  | R/R Damages on lower Chaugan to lower Galeha road km 0/00 to 3/00 (SH:- C/o R/wall at Rd 0/900 to 0/912)   | Rs.<br>3,72,183/- | Rs. 7500/-      | Rs.<br>350/- | 30<br>Days | Class D<br>& Class C |
| 9.  | R/R Damages on Chamain Chouri road Km 0/00 to 4/500 (SH:- C/o R/wall at Rd 0/360 to 0/366)   | Rs.<br>1,34,373/- | Rs. 2700/-      | Rs.<br>350/- | 30<br>Days | Class D<br>& Class C |
| 10. | R/R Damages on Nohra Chouri Baghal road km 0/00 to 14/00 (SH:- C/o R/wall at Rd 1/435 to 1/448)  | Rs.<br>3,01,386/- | Rs. 6100/-      | Rs.<br>350/- | 30<br>Days | Class D<br>& Class C |
| 11. | C/o Balance Work of PHC Building at Baghi in Tehsil Kotkhai Distt Shimla HP. (SH:- Providing and applying painting work on roof and Septic Tank)   | Rs.<br>3,66,520/- | Rs. 7400/-      | Rs.<br>350/- | 30<br>Days | Class D<br>& Class C |
| 12. | Consultancy Services for Restoration of rain damages/landslide mitigation on Gumma Baghi Narkanda Road MDR-54 (Sub head:- Prepration of Detailed Project Report for flood Damage Portion.) | Rs.<br>3,48,360/- | Rs. 7000/-      | Rs.<br>350/- | 30<br>Days | Class D<br>& Class C |
| 13. | R/R Damages on Bagheri to Bagheri to Bharech road Km 0/00 to 3/500 (SH:- C/o R/wall at RD 0/135 to 0/151)  | Rs.<br>2,20,436/- | Rs. 4500/-      | Rs.<br>350/- | 30<br>Days | Class D<br>& Class C |
| 14. | R/R Damages on Mealth Quinal road Km. 0/00 to 10/500 (SH:- C/O B/Wall at RD 1/230 to 1/245)  | Rs.<br>2,00,206/- | Rs. 4100/-      | Rs.<br>350/- | 30<br>Days | Class D<br>& Class C |
| 15. | R/R Damages on Mealth Quinal Golu Krall road Km 0/00 to 10/500 (SH:- C/o B/wall at RD 5/050 to 5/065)  | Rs.<br>3,95,963/- | Rs. 8000/-      | Rs.<br>350/- | 30<br>Days | Class D<br>& Class C |
| 16. | R/R Damages on Khanety Chamb Barnog road Km 0/00 to 2/340 (SH:- C/o B/wall at RD 0/360 to 0/390 and 0/415 to 0/430)  | Rs.<br>4,97,796/- | Rs.<br>10,000/- | Rs.<br>350/- | 30<br>Days | Class D<br>& Class C |
| 17. | R/R Damages on Mealth Quinal Golu Krall Road in K.M. 0/00 to 10/500 (SH:- C/o, R/Wall at R.D. 0/942 to 0/949)  | Rs.<br>1,90,118/- | Rs. 4000/-      | Rs.<br>350/- | 30<br>Days | Class D<br>& Class C |

Certified that tender of above works are being called of emergent nature in exigency of public interest.

**Terms and Conditions: -**


1. The contractor Should produce a copy of enlistment / renewal letter at time of application.
2. Executive Engineer reserves the right to reject / cancel any or all the tenders without assigning any reasons.
3. The contractor / firm shall have his registration and GST No., the copy of same be attached with the application.

**HIMACHAL PRADESH PUBLIC WORKS DEPARTMENT (B&R) DIVISION KOTKHAI**



**HIMACHAL PRADESH PUBLIC WORKS DEPARTMENT (B&R) DIVISION KOTKHAL**

4. The earnest money Shall be deposited duly pledged in favour of Executive Engineer, Division Kotkhal, HPPWD Kotkhal and cost of tender form for the above works should be submitted with the application for the purchase of tender forms. The applications received without earnest money and cost of tender form shall be similarly rejected.
5. The contractor / firms are requested to insert the rate of each item in words as in figures falling which NEN reserves the rights to accept / reject any tender without assigning any reasons at any stage.
- 6.
7. The tender shall be issued to those contractors who have not more than two works in hand.
8. If any date mentioned above happens to be a holiday, the same will be processed on the next day.


  
Executive Engineer,  
(B&R) Division, HPPWD,  
Kotkhal.

No:- PW-KD-E-Tender/2023-24:- 5054-60

Dated:- 10.11.2023

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

1. The Chief Engineer (SZ), HPPWD, Nirman Bhawan, Nigam Vihar, Shimla-II.
2. The Superintending Engineer, 14<sup>th</sup> Circle, HPPWD Rohru.
3. The Director, Information and Public Relations, Suchan Avam Jan Sampark Bhawan, Near H.P. Administrative Tribunal, Shimla, through [ipronms.himachalpr.gov.in](mailto:ipronms.himachalpr.gov.in) for publishing in the weekly as well as daily leading news papers / Grl Raj both in Hindi /English as per status of the tenders in pursuance to the standing instruction.
4. The Executive Engineer (IT) O/o Engineer-In-Chief HPPWD Shimla through [email-eelet-pwd-SH@hp.gov.in](mailto:email-eelet-pwd-SH@hp.gov.in) & [ee-pwd-hp@nlc.in](mailto:ee-pwd-hp@nlc.in) for uploading the same on HPPWD web portal.
5. All the Assistant Engineer working under this Division.
6. Drawing Branch in this office.
7. Notice Board.

  
Executive Engineer,  
(B&R) Division, HPPWD,  
Kotkhal.

**HIMACHAL PRADESH PUBLIC WORKS DEPARTMENT (B&R) DIVISION KOTKHAL**





# SCHEDULE OF QUANTITY

Estimated cost:- 471413.00  
Earnest money:- 9500.00  
Time:- Two Month

Name of Work :R/R Damages on Pujali to Satral road km 0/00 to 1/00 (SH:- C/O B/wall at RD 0/365 to 0/405)

| Sr. No. | Description   | Qty.  | Unit | Rate (in figure) | Rate (in words) | Amount |
|---------|---|-------|------|------------------|-----------------|--------|
| 1       | Excavation in Hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock( where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge. In conformately with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates & slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases. | 48.10 | Cum  |                  |                 |        |
| 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, dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depth as directed by the Engineer-in-Charge. all useful material such as stone, shingle, aggregates & slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.  | 40.0  | Cum  |                  |                 |        |
| 3       | Providing and laying in position cement concrete of specified grade including the cost of form work in R/walls 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 25 mm nominal size) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.  | 7.8   | Cum  |                  |                 |        |
| 4       | Providing & making Gabion structure with mechanically woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012, MORTH Clause 2500, of required size, Mesh Type 10x12 (D=100mm with tolerance of $\pm 2\%$ ) Zinc-coated, Mesh wire diameter 2.7/3.7mm, Mechanically edged/selvedged with partitions at every 1 m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2/3.2mm (ID/OD), supplied @ 3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per direction of Engineer-in-charge.   | 125.0 | Cum  |                  |                 |        |
| Total:- |   |       |      |                  |                 |        |

Executive Engineer,  
Kotkhai Division (B&R)  
HP.PWD, Kotkhai.

## SCHEDULE OF QUANTITY

Name of Work :- R/R Damages on Link to Reot road km 0/00 to 2/225 (SH:- C/o R/wall at Rd 1/405 to 1/424)

Estimated cost:- 499718.00  
Earnest money:- 10000.00  
Time:- Two Month

| Sr.No | Description   | Qty. | Unit             | Rate (in figure) | Rate (in words) | Amount |
|-------|---|------|------------------|------------------|-----------------|--------|
| 1     | Excavation in Hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock (where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformity with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates & slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases. | 29.4 | 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, dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depths as directed by the Engineer-in-Charge all useful material such as stone, shingle, aggregates & slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.  | 17.3 | Per Cubic metre. |                  |                 |        |
| 3     | Providing and laying in position cement concrete of specified grade including the cost of form work in R/walls 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 25 mm nominal size) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.  | 16.1 | Per Cubic metre. |                  |                 |        |
| 4     | Stone masonry work in cement mortar in foundation complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 with random rubble masonry in cement mortar 1:6 (1 cement : 6 sand) . Including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 58.8 | Per Cubic metre. |                  |                 |        |
| 5     | Construction of dry rubble masonry for retaining walls, breast walls, revetment walls and parapets etc for substructure and superstructure complete as per drawings and technical specifications Clause 704.6 & 1302.5 including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 37.1 | Per Cubic metre. |                  |                 |        |
| 6     | Backfilling /Filter media with granular material behind retaining wall/breast wall as per specification 1204.3.8 in a width of 600 mm. including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 9.93 | Per Cubic metre. |                  |                 |        |



(3)

### SCHEDULE OF QUANTITY

Name of Work : R/R Damages on Bakhrala to Arihala road km 0/00 to 8/00 (Sh:- C/o R/wall at Rd 6/115 to 6/130)

Estimated cost:- 272283.00  
Earnest money:- 5500.00  
Time:- Two Month

| Sr.No | Description  | Qty.  | Unit             | Rate (in figure) | Rate (in words) | Amount. |
|-------|--|-------|------------------|------------------|-----------------|---------|
| 1     | Excavation in hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock( where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformately with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases. | 11.85 | 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, dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depth, as directed by the Engineer-in-Charge, all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.   | 20.40 | Per Cubic metre. |                  |                 |         |
| 3     | Providing and laying cement concrete 1:6:12 (1 cement:6 sand : 12 graded stone 40mm aggregate nominal size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803, 1202 and 1203 including the cost of form work and hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.  | 6.45  | Per Cubic metre. |                  |                 |         |
| 4     | Providing and laying in position cement concrete of specified grade including the cost of form work in R/walls 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.   | 2.70  | Per Cubic metre. |                  |                 |         |
| 5     | Stone masonry work in cement mortar in foundation complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 with random rubble masonry in cement mortar 1:6 (1 cement :6 sand) . Including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 23.60 | Per Cubic metre. |                  |                 |         |
| 6     | Construction of dry rubble masonry for retaining walls, breast walls, revetment walls and parapets etc for substructure and superstructure complete as per drawings and technical specifications Clause 704.6& 1302.5 including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 30.56 | Per Cubic metre. |                  |                 |         |



|   |  |       |                  |  |  |  |  |         |  |
|---|--|-------|------------------|--|--|--|--|---------|--|
| 7 | Backfilling /filter media with granular material behind retaining wall/breast wall as per specification 1204.3.4 m.o width of 600 mm. including hauling of material in all loads and lifts as per the entire satisfaction and direction of the Engineer-In-Charge. | 11.25 | Per Cubic metre. |  |  |  |  |         |  |
|   |  |       |                  |  |  |  |  | Total:- |  |

Executive Engineer,  
Kotkhal Division (B&R)  
HP.PWD, Kotkhal.





## (4) SCHEDULE OF QUANTITY

Name of Work : R/R Damages on link road to Khola road km 0/00 to 3/500 (Sh.- C/o B/wall in wire in Crate and P.C.C at R.d 0/485 to 0/497, 0/507 to 0/521, 0/532 to 0/545)

Estimated cost:- 478392.00  
Earnest money:- 9600.00  
Time:- Two Month

| Sr.No   | Description  | Qty.   | Unit | Rate (in figure) | Rate (in words) | Amount |
|---------|--|--------|------|------------------|-----------------|--------|
| 1       | Excavation in Hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock( where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformately with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases. | 61.43  | Cum  |                  |                 |        |
| 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, dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depth, as directed by the Engineer-in-Charge, all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.   | 35.76  | Cum  |                  |                 |        |
| 3       | Providing and laying in position cement concrete of specified grade including the cost of form work in R/walls 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.   | 10.92  | Cum  |                  |                 |        |
| 4       | Providing & making Gabion structure with mechanically woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012, MORTH Clause 2500, of required size, Mesh Type 10x12 (D=100mm with tolerance of = 2%) Zinc-coated, Mesh wire diameter 2.7/3.7mm, Mechanically edged/selvedged with partitions at every 1 m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2/3.2mm (1D/OD), supplied @ 3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per direction of Engineer-in-charge.  | 121.88 | Cum  |                  |                 |        |
| Total:- |  |        |      |                  |                 |        |

Executive Engineer,  
Kothnai Division (B&R)  
HP.PWD, Kothnai

## SCHEDULE OF QUANTITY

5

Name of Work : R/R Damages on Nohra Chouri Baghal road Km 0/00 to 14/00 (Sh:- C/o B/wall in P.C.C & wire crate at Rd 2/945 to 2/962.50)

Estimated cost:- 240343.00  
Earnest money:- 4900.00  
Time:- Two Month

| Sr.No          | Description  | Qty.  | Unit             | Rate (in figure) | Rate (in words) | Amount |
|----------------|--|-------|------------------|------------------|-----------------|--------|
| 1              | Excavation in Hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock (where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformately with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases. | 21.87 | 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, dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depth. as directed by the Engineer-in-Charge all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.  | 10.50 | Per Cubic metre. |                  |                 |        |
| 3              | Providing and laying in position cement concrete of specified grade including the cost of form work in R/walls 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.   | 10.50 | Per Cubic metre. |                  |                 |        |
| 4              | Providing & making Gabion structure with mechanically woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012, MORTH Clause 2500, of required size, Mesh Type 10x12 (D=100mm with tolerance of = 2%) Zinc+coated, Mesh wire diameter 2.7/3.7mm, Mechanically edged/selvedged with partitions at every 1 m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2/3.2mm (TD/OD), supplied @ 3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per direction of Engineer-in-charge.  | 54.68 | Per Cubic metre. |                  |                 |        |
| <b>Total:-</b> |  |       |                  |                  |                 |        |

Executive Engineer,  
Kothnai Division (B&R)  
HP.PWD, Kothnai.

6

## SCHEDULE OF QUANTITY

Estimated cost:- 498915.00  
 Earnest money:- 10000.00  
 Time:- Two Month

Name of Work :R/R Damages on Deem Nagan road km 0/00 to 5/500 (Sh:- C/o R/wall at R.d 1/162 to 1/171 & 5/045 to 5/064)

| Sr.No | Description   | Qty.  | Unit             | Rate (in figure) | Rate (in words) | Amount |
|-------|---|-------|------------------|------------------|-----------------|--------|
| 1     | Excavation in hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock( where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformably with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases. | 27.70 | 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, dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depth, as directed by the Engineer-in-Charge all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.   | 22.70 | Per Cubic metre. |                  |                 |        |
| 3     | Providing and laying in position cement concrete of specified grade including the cost of form work in R/walls 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.   | 14.50 | Per Cubic metre. |                  |                 |        |
| 4     | Stone masonry work in cement mortar in foundation complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 with random rubble masonry in cement mortar 1:6 (1 cement : 6 sand) . Including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 42.80 | Per Cubic metre. |                  |                 |        |
| 5     | Construction of dry rubble masonry for retaining walls, breast walls , revetment walls and parapets etc for substructure and superstructure complete as per drawings and technical specifications Clause 704.6& 1302.5 including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 53.00 | Per Cubic metre. |                  |                 |        |

|         |  |       |                  |  |  |  |
|---------|--|-------|------------------|--|--|--|
| 6       | Backfilling /Filter media with granular material behind retaining wall/breast wall as per specification 1204.3.8 in a width of 600 mm. Including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.  | 27.50 | Per Cubic metre. |  |  |  |
| 7       | Providing weep holes in brick/ stone / plain reinforced concrete abutment, wing wall, return walls with 100 mm dia PVC pipe extending through the full width of the structure with slope of 1V : 20H towards drawing face complete as per drawing and technical specifications clauses 614, 709 and 1204.3.7 including carriage of material within all leads and lifts and other incidentals. including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge. | 36.00 | No               |  |  |  |
| Total:- |  |       |                  |  |  |  |

Executive Engineer,  
Kotkhai Division (B&R)  
HP.PWD, Kotkhai.



## SCHEDULE OF QUANTITY

7

Estimated cost:- 429928.00  
 Earnest money:- 8600.00  
 Time:- Two Month

Name of Work : R/R Damages on Mail Matlu road Km 0/00 to 6/315 (SH:- C/o R/wall at Rd 2/470 to 2/492)

| Sr.No | Description   | Qty.  | Unit             | Rate (in figure) | Rate (in words) | Amount |
|-------|---|-------|------------------|------------------|-----------------|--------|
| 1     | Excavation in Hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hardd rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock( where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformately with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side property. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases. | 18.70 | 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, dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depth, as directed by the Engineer-in-Charge all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side property. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.   | 40.70 | Per Cubic metre. |                  |                 |        |
| 3     | Providing and laying cement concrete 1:6:12 (1 cement:6 sand : 12 graded stone 40mm aggregate nominal size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803, 1202 and 1203 including the cost of form work and hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 10.78 | Per Cubic metre. |                  |                 |        |
| 4     | Providing and laying in position cement concrete of specified grade including the cost of form work in R/walls 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.  | 4.40  | Per Cubic metre. |                  |                 |        |
| 5     | Stone masonry work in cement mortar in foundation complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 with random rubble masonry in cement mortar 1:6 (1 cement:6 sand) . including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 43.14 | Per Cubic metre. |                  |                 |        |
| 6     | Construction of dry rubble masonry for retaining walls, breast walls, revetment walls and parapets etc for substructure and superstructure complete as per drawings and technical specifications Clause 704.6& 1302.5 including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.  | 37.1  | Per Cubic metre. |                  |                 |        |



|   |   |       |                  |  |  |  |       |  |
|---|---|-------|------------------|--|--|--|-------|--|
| 7 | Backfilling / Filter media with granular material behind retaining wall/ breast wall as per specification 1204.3.8 in a width of 500 mm, including hauling of material in all loads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge. | 16.50 | Per Cubic metre. |  |  |  | Total |  |
|---|---|-------|------------------|--|--|--|-------|--|

Executive Engineer,  
Kothai Division (H&R)  
H.P. PWD, Kothai.

(8)

### SCHEDULE OF QUANTITY

Estimated cost:- 372183.00  
 Earnest money:- 7500.00  
 Time:- Two Month

Name of Work :R/R Damages on lower Chaugan to lower Galeha road km 0/00 to 3/00 (Sh:- C/o R/wall at Rd 0/900 to 0/912)

| Sr.No | Description  | Qty.  | Unit             | Rate (in figure) | Rate (in words) | Amount |
|-------|--|-------|------------------|------------------|-----------------|--------|
| 1     | Excavation in Hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock( where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformately with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases. | 12.84 | 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, dressing of sides and bottom and back filling in trenches with excavated suitable material. In ordinary soil upto all depth, as directed by the Engineer-in-Charge all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.   | 23.76 | Per Cubic metre. |                  |                 |        |
| 3     | Providing and laying cement concrete 1:6:12 (1 cement:6 sand : 12 graded stone 40mm aggregate nominal size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803, 1202 and 1203,including the cost of form work and hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.  | 8.64  | Per Cubic metre. |                  |                 |        |
| 4     | Providing and laying in position cement concrete of specified grade including the cost of form work in R/walls 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.  | 5.28  | Per Cubic metre. |                  |                 |        |
| 5     | Stone masonry work in cement mortar in foundation complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 with random rubble masonry in cement mortar 1:6 (1 cement:6 sand) . including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.  | 37.02 | Per Cubic metre. |                  |                 |        |



|   |   |       |                  |  |         |  |
|---|---|-------|------------------|--|---------|--|
| 6 | Construction of dry rubble masonry for retaining walls, breast walls, revement walls and parapets etc for substructure and superstructure complete as per drawings and technical specifications Clause 704.6& 1302.5 including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge. | 35.36 | Per Cubic metre. |  |         |  |
| 7 | Backfilling /Filter media with granular material behind retaining wall/breast wall as per specification 1204.3.8 in a width of 600 mm. Including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 9.72  | Per Cubic metre. |  |         |  |
|   |   |       |                  |  | Total:- |  |

Executive Engineer,  
Kothai Division (B&R)  
HP.PWD, Kothai.



## SCHEDULE OF QUANTITY

Name of Work : R/R Damages on Chamain Chouri road Km 0/00 to 4/500 (SH:- C/o R/wall at Rd 0/360 to 0/366)

Estimated cost:- 134373.00  
Earnest money:- 2700.00  
Time:- Two Month

| Sr.No | Description  | Qty.  | Unit             | Rate (in figure) | Rate (in words) | Amount |
|-------|--|-------|------------------|------------------|-----------------|--------|
| 1     | Excavation in Hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock (where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformity with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates, slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases. | 3.72  | 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, dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depth, as directed by the Engineer-in-Charge all useful material such as stone, shingle, aggregates, slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.  | 7.68  | Per Cubic metre. |                  |                 |        |
| 3     | Providing and laying cement concrete 1:6:12 (1 cement 6 sand : 12 graded stone 40mm aggregate nominal size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 including the cost of form work and hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 2.58  | Per Cubic metre. |                  |                 |        |
| 4     | Providing and laying in position cement concrete of specified grade including the cost of form work in R/walls 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.   | 1.08  | Per Cubic metre. |                  |                 |        |
| 5     | Stone masonry work in cement mortar in foundation complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 with random rubble masonry in cement mortar 1:6 (1 cement:6 sand), including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 12.42 | Per Cubic metre. |                  |                 |        |
| 6     | Construction of dry rubble masonry for retaining walls, breast walls, revetment walls and parapets etc for substructure and superstructure complete as per drawings and technical specifications Clause 704.6& 1302.5 including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 16.63 | Per Cubic metre. |                  |                 |        |
| 7     | Backfilling /Filter media with granular material behind retaining wall/breast wall as per specification 1204.3.8 in a width of 600 mm. including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.  | 3.84  | Per Cubic metre. |                  |                 |        |
|       | <b>Total:-</b>   |       |                  |                  |                 |        |

Executive Engineer,  
Kodkhai Division (B&R)  
HP.PWD, Kodkhai.

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## SCHEDULE OF QUANTITY

Name of Work :R/R Damages on Nohra Chouri Baghal road km 0/00 to 14/00 (SH:- C/o R/wall at Rd 1/435 to 1/448)

Estimated cost:- 301386.00  
Earnest money:- 6100.00  
Time:- Two Month

| Sr.No | Description  | Qty.  | Unit             | Rate (in figure) | Rate (in words) | Amount |
|-------|--|-------|------------------|------------------|-----------------|--------|
| 1     | Excavation in Hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock (where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformately with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases. | 11.05 | 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, dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depth, as directed by the Engineer-in-Charge,all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.  | 16.77 | Per Cubic metre. |                  |                 |        |
| 3     | Providing and laying cement concrete 1:6:12 (1 cement:6 sand : 12 graded stone 40mm aggregate nominal size) for plain/reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803, 1202 and 1203,including the cost of form work and hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.  | 6.37  | Per Cubic metre. |                  |                 |        |
| 4     | Providing and laying in position cement concrete of specified grade including the cost of form work in R/walls 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.  | 2.60  | Per Cubic metre. |                  |                 |        |
| 5     | Stone masonry work in cement mortar in foundation complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 with random rubble masonry in cement mortar 1:6 (1 cement:6 sand) . including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.  | 28.11 | Per Cubic metre. |                  |                 |        |



|         |  |       |                  |  |  |  |
|---------|--|-------|------------------|--|--|--|
| 6       | Construction of dry rubble masonry for retaining walls, breast walls, revetment walls and parapets etc for substructure and superstructure complete as per drawings and technical specifications Clause 704.6& 1302.5 including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-In-Charge. | 34.84 | Per Cubic metre. |  |  |  |
| 7       | Backfilling / Filter media with granular material behind retaining wall/breast wall as per specification 1204.3.8 in a width of 600 mm. including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-In-Charge.   | 10.14 | Per Cubic metre. |  |  |  |
| Total:- |  |       |                  |  |  |  |

Executive Engineer,  
Kotkhai Division (B&R)  
HP.PWD, Kotkhai.

## SCHEDULE OF QUANTITY

Estimated cost:- 366520.00  
Earnest money:- 7400.00  
Time:- Two Month

Name of Work :- C/o Balance work in PHC Baghi in Tehsil Kotkhai Distt. Shimla H.P (SH:- Providing and applying painting work on roof and Septic Tank)

| Sr.No | Description  | Qty.   | Unit           | Rate (in figure) | Rate (in words) | Amount |
|-------|--|--------|----------------|------------------|-----------------|--------|
| 1     | Applying priming coat with ready mixed red oxide zine chromate primer of approved brand and manufacture on steel work (second coat)  | 476.05 | m <sup>2</sup> |                  |                 |        |
| 2     | Painting on G.S sheet with synthetic paint of approved brand and manufacture of required color to give an even shade.  | 476.05 | m <sup>2</sup> |                  |                 |        |
| 3     | Earth work excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and surplus excavated soil as directed, within a lead of 50m.  |        |                |                  |                 |        |
| a     | All kinds of soil  | 46.48  | Cum            |                  |                 |        |
| 4     | Providing from work with steel plates 3.15mm thick welded with angle iron in frame 30x30x5mm. So as to give a fair finish including centering, shuttering, strutting and propping etc. with wooden battens and batties, height of propping and centering below supporting floor to ceiling not exceeding 4 Mtrs. and removal of the same for insitu-reinforced concrete & plain concrete work in:              |        |                |                  |                 |        |
| a     | Suspended floore roofs, landings balconies and access platform   | 3.69   | Sqm            |                  |                 |        |
| b     | Edges of slabs and breaks in floors and walls  | 13.10  |                |                  |                 |        |
| c     | Retaining walls, return walls walls (any thickness) including attached plasters,   | 9.15   |                |                  |                 |        |
| 5     | Providing and laying cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 gradedstone aggregate 40mm nominal Size) mechanical mixed and curing complete excluding cost of centering and shuttering in Foundation and plinthas complete including carriage of all labour equipments and materials to various location through all modes of transportation with in all leads, lifts and other incidental charges. | 3.96   | Cum            |                  |                 |        |
| 6     | Providing and laying cement concrete 1:1½:3 (1 cement : 1½ sand : 3 graded stone aggregate 20mm nominal size) mechanically mixed and vibrated for compacting concrete and curing complete excluding cost of form work and reinforcement for reinforce cement concrete including carriage of materials in all leads and lifts.  |        |                |                  |                 |        |
| a     | Suspended floors roofs, landing and shelves and their support, balconies, beams, girders bressumers and cantilever.  | 1.31   | Cum            |                  |                 |        |
| b     | Walls (any thickness but not less than 0.10 metre thickness) including attached plasters buttresses, plinth and siring courses etc from top of foundation.   | 0.45   |                |                  |                 |        |
| 7     | Steel reinforcement for R.C.C work including straightening, cutting bending, placing in postion and binding all complete above plinth level  |        |                |                  |                 |        |
| a     | Thermo-Mechanically Treated bars of grade Fe-500D or more  | 118.40 | Kg             |                  |                 |        |
| 8     | Brick work with common burnt clay F.P.S (non modular) bricks of class designation 7.5 in foundation and plinth in all shapes and sizes in:   |        |                |                  |                 |        |



| Cement mortar 1:6 (Cement : 6 coarse sand) |   |       |      |  |  |
|--|---|-------|------|--|--|
| 8  |   | 9.40  | Cum  |  |  |
| 9  | Boulder filling tightly hand packed under floor including watering, ramming, consolidating etc. complete including carriage of material in all leads and lifts.   | 13.34 | Cum  |  |  |
| 10   | Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (1 cement : 6 coarse sand : 12 graded stone aggregate 20 mm nominal size) upto plinth level with:   | 17.09 | Cum  |  |  |
| 11   | 15 mm cement plaster in single coat on the rough side of brick/concrete/stone walls for interior plastering upto all floor level including arrises internal rounded angles, chamfers and/or rounded angles not exceeding 30cm in girth and finished even and sand opapered smooth including carriage of materials within all leads and lifts. |       |      |  |  |
| a  | 1.4 (1 cement 6 fine sand) Rough Side   | 33.21 | Sqm  |  |  |
| 10   | Providing and fixing soil, waste and vent pipes sand cast iron S&S pipe as per Is: 1729   | 5.00  | rmt  |  |  |
| 12   | Providing and fixing bend of required degree with access door, Insertion rubber washer 3mm thick bolts and nuts complete.   | 2.00  | each |  |  |
| 13   | Providing and fixing PVC cowl including carriage of materials within all leads and lifts.   | 1.00  | each |  |  |
| Total:-                                    |   |       |      |  |  |

Executive Engineer,  
Kothai Division (B&R)  
HP.PWD, Kothai.

## SCHEDULE OF QUANTITY

Estimated cost:- 348360.00  
Earnest money:- 7000.00  
Time:- Two Month

Name of Work :- Consultancy Services for Restoration of rain damages/landslide mitigation on Gumma Baghi Narkanda Road  
MDR-54 (Sub-head: Preparation of Detailed Project Report for flood Damages Portion.)

| Sr.No   | Description   | Qty. | Unit | Rate (in figure) | Rate (in words) | Amount. |
|---------|---|------|------|------------------|-----------------|---------|
| 1       | Preparation of Detailed Project Report for Restoration of rain damages/landslide mitigation on Gumma Baghi Narkanda Road MDR-54 complete in all; respect and submission of the same to higher office for approval, if any correspondance/ammendment has desired by this office as well as by head office, the same may be rectified as desired and directed by Engineer-in-charge in all respect, after approval the same should be submitted in five set of Fair copy of DPR complete. The detail is as under:- MDR-54 = 43.545 km | 4355 | Km   |                  |                 |         |
| Total:- |   |      |      |                  |                 | 0.00    |

Executive Engineer,  
Kotkhai Division (B&R)  
HP.PWD, Kotkhai.

## SCHEDULE OF QUANTITY

Name of Work :- R/R damages on Bagheri Bareach road km 0/00 to 3/500 (Sh:- C/o B/wall at Rd 0/135 to 0/151)

Estimated cost:- 220432  
 Earnest money:- 4500.00  
 Time:- Two Month

| Description  | Qty.   | Unit             | Rate (in figure) | Rate (in words) | Amount |
|--|--------|------------------|------------------|-----------------|--------|
| <p>1</p> <p>Excavation in fill area by manual/mechanical means:- Excavation in soil in fill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock (where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformity with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates, slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.</p> | 40.32  | Per Cubic metre. |                  |                 |        |
| <p>2</p> <p>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, dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depth, as directed by the Engineer-in-Charge, all useful material such as stone, shingle, aggregates, slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.</p>   | 4.32   | Per Cubic metre. |                  |                 |        |
| <p>3</p> <p>Providing and laying in position cement concrete of specified grade including the cost of form work in R/walls 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.</p>   | 3.24   | Per Cubic metre. |                  |                 |        |
| <p>4</p> <p>Stone masonry work in cement mortar in foundation complete as per drawing and technical specifications Clauses 702, 704, 1202 &amp; 1203 with random rubble masonry in cement mortar 1:6 (1 cement : 6 sand) . including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.</p>  | 40.992 | Per Cubic metre. |                  |                 |        |
| <p>5</p> <p>Providing weep holes in brick/ stone / plain reinforced concrete abutment, wing wall, return walls with 100 mm dia PVC pipe extending through the full width of the structure with slope of 1V : 20H towards drawing face complete as per drawing and technical specifications clauses 614, 709 and 1204.3.7 including carriage of material within all leads and lifts and other incidentals including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.</p>  | 12.0   | No               |                  |                 |        |
| <b>Total:-</b>   |        |                  |                  |                 |        |

Executive Engineer,  
 Kotkhai Division (B&R)  
 UD DWRD Varanasi

# SCHEDULE OF QUANTITY

14

Name of Work :- R/R Damages on Melath Quinal Golu Krall Road Km 0/00 to 10/500 (SH:- B/Wall at RD 1/230 to 1/245)

Estimated cost:- 205572.00  
Earnest money:- 4200.00  
Time:- Two Month

| Sr. No. | Description  | Qty.  | Unit             | Rate (in figure) | Rate (in words) | Amount |
|---------|--|-------|------------------|------------------|-----------------|--------|
| 1       | Excavation in Hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock (where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformably with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates & slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases. | 21.80 | P/Cum            |                  |                 |        |
| 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, dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depth, as directed by the Engineer-in-Charge all useful material such as stone, shingle, aggregates & slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.   | 16.30 | P/Cum            |                  |                 |        |
| 3       | Providing and laying in position cement concrete of specified grade including the cost of form work in R/Walls 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.   | 5.60  | Per Cubic metre. |                  |                 |        |
| 4       | Stone masonry work in cement mortar in foundation complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 with random rubble masonry in cement mortar 1:6 (1 cement : 6 sand). Including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 22.90 | P/Cum            |                  |                 |        |
| 5       | Construction of dry rubble masonry for retaining walls, breast walls, revetment walls and parapets etc for substructure and superstructure complete as per drawings and technical specifications Clause 704.6 & 1302.5 including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.  | 18.10 | Cum              |                  |                 |        |
| 6       | Providing weep holes in brick/ stone / plain reinforced concrete abutment, wing wall, return walls with 100 mm dia PVC pipe extending through the full width of the structure with slope of 1V : 20H towards drawing face complete as per drawing and technical specifications clauses 614, 709 and 1204.3.7 including carriage of material within all leads and lifts and other incidentals, including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.   | 12.00 | Each             |                  |                 |        |
| Total:- |  |       |                  |                  |                 |        |

Executive Engineer,  
Kothhai Division (B&R)  
HP.PWD, Kothhai.



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### SCHEDULE OF QUANTITY

Name of Work : R/R Damages on Mealth Quinal Golu Krail road km 0/00 to 10/500 (SH:- C/o B/wall at Rd 5/050 to 5/065)

Estimated cost:- 396014.00  
 Earnest money:- 8000.00  
 Time:- Two Month

| Sr.No | Description   | Qty.  | Unit | Rate (in figure) | Rate (in words) | Amount |
|-------|---|-------|------|------------------|-----------------|--------|
| 1     | Excavation in Hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock( where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformably with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases. | 53.00 | Cum  |                  |                 |        |
| 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, dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depth, as directed by the Engineer-in-Charge all useful material such as stone, shingle, aggregates& slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.   | 16.50 | Cum  |                  |                 |        |
| 3     | Providing and laying in position cement concrete of specified grade including the cost of form work in R/walls 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.  | 37.30 | Cum  |                  |                 |        |
| 4     | Stone masonry work in cement mortar in foundation complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 with random rubble masonry in cement mortar 1:6 (1 cement :6 sand) . including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.  | 28.40 | Cum  |                  |                 |        |

|         |   |       |     |  |  |  |
|---------|---|-------|-----|--|--|--|
| 5       | Providing & making Gabion structure with mechanically woven Double Twisted Hexagonal Shaped Wire mesh Gabion Boxes as per IS 16014:2012, MORTH Clause 2500, of required size, Mesh Type 10x12 (D=100mm with tolerance of $\pm 2\%$ ) Zinc-coated, Mesh wire diameter 2.7/3.7mm, Mechanically edged/selvedged with partitions at every 1 m interval and shall have minimum 10 numbers of openings per meter of mesh perpendicular to twist, tying with lacing wire of diameter 2.2/3.2mm (ID/OD), supplied @ 3% by weight of Gabion boxes, filled with boulders with least dimension of 200 mm, as per drawing, all complete as per direction of Engineer-in-charge. | 15.60 | Cum |  |  |  |
| Total:- |   |       |     |  |  |  |

Executive Engineer,  
Kotthal Division (B&R)  
HP.PWD, Kotthal.



# SCHEDULE OF QUANTITY

16

Estimated cost- 497796.06  
Earnest money- 10000.06  
Time- Two Month

Name of Work :- R/R Damages on Khanety Chamb Barnog road km 0/00 to 2/340 (SH.- C/o B/wall at RD 0/360 to 0/390 and 0/415 to 0/430)

| Sr. No. | Description   | Qty.  | Unit  | Rate (in figure) | Rate (in words) | Amount |
|---------|---|-------|-------|------------------|-----------------|--------|
| 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, dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depths, as directed by the Engineer-in-Charge all useful material such as stone, rubble, aggregate etc. shall be sorted out and stacked along the road side property. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases. | 63.16 | P/Cum |                  |                 |        |
| 2       | Providing and laying cement concrete 1:6:12 (1 cement:6 sand : 12 graded stone 40mm aggregate nominal size) for slabs/reinforced concrete in open foundation complete as per drawing and technical specification clauses 802.802, 1202 and 1203 including the cost of form work and hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.  | 9.12  | P/Cum |                  |                 |        |
| 3       | Stone masonry work in cement mortar in foundation complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 with random rubble masonry in cement mortar 1:6 (1 cement:6 sand), including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.  | 82.08 | P/Cum |                  |                 |        |
| 4       | Providing weep holes in brick/stone /plain reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structure with slope of 1V : 20H towards drawing face complete as per drawing and technical specifications clauses 614, 709 and 1204.3.7 including carriage of material within all leads and lifts and other incidentals, including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.   | 38.00 | Each  |                  |                 |        |
|         | Total-  |       |       |                  |                 |        |

Executive Engineer,  
Kotkhal Division (B&R)  
HP.PWD, Kotkhal.

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## SCHEDULE OF QUANTITY

Name of Work :- R/R Damages on Mealth Quinal Golu Krall road km 0/00 to 10/500 (Sh:- C/o R/wall at Rd 0/942 to 0/949)

Estimated cost:- 190118.00  
 Earnest money:- 4000.00  
 Time:- Two Month

| Sr.No | Description  | Qty. | Unit             | Rate (in figure) | Rate (in words) | Amount |
|-------|--|------|------------------|------------------|-----------------|--------|
| 1     | Excavation in Hill area by manual/mechanical means:- Excavation in soil in hill areas all heights and depth in all kind of soil including saturated soil comprising of mixed soil, ordinary rock and hard rock all work of rock cutting by blasting shall be carried out by taking all necessary precautions against soil erosion, damage to hill side, water pollution etc. and to protect stability of hill side. Rock shall be excavated with chiselling and wedging out rock (where blasting is prohibited) including cutting and trimming of side slopes and disposing of excavated earth with a lift upto all heights and all leads as directed by the Engineer-in-Charge, in conformably with the requirement of technical specification of rural roads clause 1603.1 all useful material such as stone, shingle, aggregates & slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases. | 21.0 | 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 detestious material and disposal upto all leads, dressing of sides and bottom and back filling in trenches with excavated suitable material in ordinary soil upto all depth, as directed by the Engineer-in-Charge all useful material such as stone, shingle, aggregates & slate etc. shall be sorted out and stacked along the road side properly. Any loss to the public and private property to during the course of execution shall be the absolute responsibility of the contractor which shall have to be duly compensated by him in all cases.  | 11.5 | Per Cubic metre. |                  |                 |        |
| 3     | Providing and laying in position cement concrete of specified grade including the cost of form work in R/walls 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge.   | 6.3  | Per Cubic metre. |                  |                 |        |
| 4     | Stone masonry work in cement mortar in foundation complete as per drawing and technical specifications Clauses 702, 704, 1202 & 1203 with random rubble masonry in cement mortar 1:6 (1 cement : 6 sand). including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 29.8 | Per Cubic metre. |                  |                 |        |



|   |   |      |                  |         |  |  |
|---|---|------|------------------|---------|--|--|
| 5 | Providing weep holes in brick/ stone / plain reinforced concrete abutment, wing wall, return walls with 100 mm dia PVC pipe extending through the full width of the structure with slope of 1V : 20H towards drawing face complete as per drawing and technical specifications clauses 614, 709 and 1204.3.7 including cartage of material within all leads and lifts and other incidentals, including hauling of material in all leads and lifts as per the entire satisfaction and direction of Engineer-in-Charge. | 12.0 | Nos.             |         |  |  |
| 6 | Backfilling /Filter media with granular material behind retaining wall/breast wall as per specification 1204.3.8 in a width of 600 mm, including hauling of material in all leads and lifts as per the entire satisfaction and direction of the Engineer-in-Charge.   | 3.9  | Per Cubic metre. |         |  |  |
|   |   |      |                  | Total:- |  |  |

Executive Engineer,  
Kothai Division (B&R)  
HP.PWD, Kothai.

