

HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT

NOTICE INVITING TENDER

Short terms tenders on form 6&8 are hereby invited by the Executive Engineer Bangana Division HP.PWD Bangana on behalf of the Governor of H.P. for the following works from the approved and eligible contractors/firms of appropriate class enlisted in HPPWD as per latest instructions so as to reach and open in his office as per time schedule given below. The offer of the tender will be kept open for 120 days from the date of opening of the tenders. The undersigned reserves the right to reject any or all the tenders without assigning any reasons.

1. Date of receipt of applications for the tender  
Form a/w requisite documents: - 16.06.2022 upto 5.00 PM.
2. Date of issue /sale of tender forms against  
Cash payment (Non-refundable):- 17.06.2022 upto 4.00 PM.
3. Date of receipt of tenders: - 18.06.2022 upto 10.30 AM.
4. Date of opening of tenders: - 18.06.2022 at 11.00 AM.


Sr.No.	Name of Work	Estimated Cost	EMD	Time Limit	Cost of Tender	Eligible class of Contractor
1	Missing CD on Chaproh Doh road km 0/0 to 6/050. (SH:- C/O 900 mm dia hume pipe culvert at RD 3/250)	147400	3000	Two months	350/-	Class-A to D
2	Balance work of link road from Thana to Kut Chateher to Alshan Harizan Basti bhiambi & Village Lower Thana Km 0/ to 6/615. (SH:- C/O wire crate at RD 1/420 to 1/450 & 1/530 to 1/550).	499887	10000	Two months	350/-	Class-D
3	A/R & M/O link road to village Bhaleti to Bhugrian from UAM road km 0/0 to 0/350. (SH:- C/O CC Pavement from RD 0/0 to 0/175).	356509	7200	Two months	350/-	Class-D
4	Balance work of link road from Thana to Kut Chateher to Alshan Harizan Basti bhiambi & Village Lower Thana Km 0/ to 6/615. (SH:- C/O hume pipe culvert 900 mm dia at RD 1/240 & edge wall from RD 1/225 to 1/347).	499929	10000	Two months	350/-	Class-D
5	A/R & M/O on Bangana Shantla road km 0/0 to 10/675. (SH:- P/L 20mm thick premix carpet with seal coat in km 0/485 to 0/958). (extra width due to sewerage line).	432127	8700	Two months	350/-	Class-D
6	C/O link road from Tehi Bijli Ghar to Deehar road to Abadi Sh. Dev Raj Singh. (SH:- P/L GSB, WMM & M/T in km 0/0 to 0/215).	496561	10000	Two months	350/-	Class-D
7	Improvement of Road regarding road safety of Various roads under Bangana Sub-Division (SH:- P/F Cat Eye on Various roads and Various RD's)	99750	2000	Two months	350/-	Class-D

The Earnest money in the shape of National Saving certificate/Time deposit/Saving account of any post office or FDR of Nationalised Bank duly pledged in the name of undersigned must be accompanied with each tender. The conditional tender and tender not accompanying the earnest money in the proper mode of deposit will summarily be rejected.

The Tender documents to be sent should have invariably be waxed in sealed cover and in failure of that those will not be entertained.

## Certificate

Certified that the tenders called vide this office letter No. PW/BGN/CB/T-1/2022-23-2705-35 dated 07.06.2022 is emergent nature and in public interest.

  
Executive Engineer,  
HPPWD Division  
Bangana.



## SCHEDULE OF QUANTITY

**Name of Work:- Missing CD on Chaproh Doh Road Km 0/000 to 6/050 (SH: C/o 900mm dia Hume Pipe culvert at Rd 3/250)**

Name of Work:- Missing CD on Chaproh Doh Road Km 0/000 to 6/050 (SH: C/o 900mm dia Hume Pipe culvert at Rd 3/250)							Estimated Cost: `	147400.00
							Earnest Money: `	3000.00
							Time Limit:	Two month
Sr. No.	Description of work	No.or Qty.	Unit	RATE in Figures and words		AMOUNT Rs.		
				Figures	Words			
1	Earth work in excavation for all type of road structure and all type of on classification of soil comprising of ordinary soil, ordinary rock, hard rock chiseling /wedging out rocks ( Where blasting is prohibited) such as retaining walls, breast walls, culverts, drains and parapets etcetera as per drawings and technical specification clause 305.1 and as per direction of the Engineer- In – Charge including setting out construction of shoring and bracing , removal of stumps and other deleterious materials and disposal of materials upto any lead and upto any lift including dressing of sides and bottom and back filling in trenches with excavated suitable approved material to the original surface in layers not exceeding 150mm ( one hundred fifty millimetres) compacted thickness including shoring and strutting and pumping and bailing out water (surface and sub soil water ) upto any depth and any quantum of water including cleaning of slush which may arise out during dewatering as per direction of Engineer-in-Charge. including carriage of material with in all leads and lifts and other incidentals .The rate includes octroi, royalty,malkhana ,toll tax,GST,labour cess or other taxes imposed by the Government..	50.92	Per cubic metre					
2	Providing and laying cement concrete work 1:3:6 ( one cement: three sand:six graded stone aggregate) 40mm (forty millimetre) nominal size in open foundation mechanically mixed and vibrated including curing complete, including pumping or bailing out water, dewatering removal of slush as required at site which may arise at the time of laying under water complete for all heights/ depths including the cost of form work as per drawings and M.O.R.D. technical specification Clause 802,803,1202 and 1203 as per the direction of the Engineer-in-Charge, including carriage of material within all leads and lifts and other incidental . The rates are inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government.	4.59	Per cubic metre					
3	Providing and laying mechanically mixed concrete for plain/ reinforced concrete in sub-structure for all type of structure complete of plain cement concrete grade M-15 ( M fifteen) nominal mix 1: 2 ½ :5 ( One cement : two point five sand : five graded crushed stone aggregate 40mm ( forty millimeter) nominal size in or under water and curing complete including pumping or bailing out water , dewatering removal of slush as required at site which may arise at the time of laying under water complete for all heights/ depths including the cost of form work in abutments as per drawings and M.O.R.D. technical specification Clause 802, 804, 805, 806, 807, 1202 and 1204 and as per the direction of the Engineer-in-Charge . Including carriage of material within all leads, lifts and other incidental . The rates are inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government.	20.25	Per cubic metre					



Sr. No.	Description of work	No.or Qty.	Unit	RATE in Figures and words		AMOUN Rs.
				Figures	Words	
4	Providing and laying 900mm(Nine hundred millimetre) dia reinforced cement concrete pipe NP-2 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2(one cement:two sand) but excluding excavation protection work,back filling,concrete and masonry work in head walls and parapets as per technical specifications clause -1106 including carriage of material with in all leads and lifts and other incidentals .The rate includes sale tax octroi, royalty,malkhana ,toll tax,GST,labour cess or other taxes imposed by the Government.	7.50	Per running meter			
5	Providing and laying mechanically mixed and vibrated concrete for plain/ reinforced concrete in open foundations upto all heights for all type structure complete of plain with cement concrete design mix of grade M-20 (M-twenty) cement contents not less than 350kg(three hundred fifty kilogram) per cubic metre in or under water and curing complete including pumping or bailing out water,dewatering removal of slush as required at site which may arise at the time of laying under water complete for all heights/ depths including the cost of form work as per drawings and technical specification Clause 802,803,1202 and 1203 as per the direction of the Engineer-in- charge including carriage of material with in all leads and lifts and other incidentals .The rate includes octroi, royalty,malkhana ,toll tax,GST,labour cess or other taxes imposed by the Government..	0.49	Per cubic metre			
6	Providing and laying mechanically mixed and vibrated plain cement concrete in foundation and plinth as per drawing and technical specification clause 800, & 1200 for nominal mix 1 : 5: 10 ( one cement: five sand : ten graded crushed stone aggregate 40mm (forty millimeters) nominal size and curing complete including pumping or bailing out water, dewatering, removal of slush as required at site which may arise at the time of laying under water complete for all heights/depths and the cost of form work in retaining walls, breast walls etcetera as per the direction of Engineer-in-Charge. The rates are inclusive of octroi, royalty, Malkhana, toll tax, sale tax or other taxes imposed by the Government.	21.42	Per cubic metre			
7	Back filling with granular material behind return wall, abutment, wing wall and retaining walls complete as per drawing and technical specifications clause 1204.3.8 and as per direction of Engineer – in- Charge including carriage of materials within all leads and lifts and other incidental. The rates are inclusive of octroi, royalty, Malkana, toll tax, sale tax, goods service tax, labour cess or other taxes imposed by the Government.	1.89	Per cubic metre			
8	Providing weepholes in brick masonry/ stone masonry /plain reinforced concrete abutment, wing wall, return wall with 100mm(hundred millimetre) dia PVC pipe make of (D-plast) / Finolex, ) working pressure not less than 4.5 (four point five ) kg/cm <sup>2</sup> extending through the full width of the structures with slope of 1(v):20(H)(one vertical twenty horizontal) towards drawing face complete as per drawings and technical specification clause 614.709,1204.3.7 including carriage of material with in all leads and lifts and other incidentals .The rate includes sale tax octroi, royalty,malkhana ,toll tax,GST,labour cess or other taxes imposed by the Government..	6.00	Each			
Total in Figures						

Executive Engineer  
Bangana Division  
P.P.W.D. Bangana



## SCHEDULE OF QUANTITY

**Name of Work:-** Balance work of link road from Thana to Kut Chateher to Alsahan Harijan Basti Bhiambi & Village  
**Lower Thana Km 0/000 to 6/615 (SH: C/o Wire crate at Rd 1/420 to 1/450 & 1/530 to 1/550)**

Estimated Cost: 499887.00  
 Earnest Money: 100000.00  
 Time Limit: Two months

Sr. No.	Description of work	No. or Qty.	Unit	RATE in Figures and words		AMOUNT Rs.
				Figures	Words	
1	Earth work in excavation for all type of road structure and all type of on classification of soil comprising of ordinary soil, ordinary rock, hard rock chiseling /wedging out rocks ( Where blasting is prohibited) such as retaining walls, breast walls, culverts, drains and parapets etcetera as per drawings and technical specification clause 305.1 and as per direction of the Engineer-In - Charge including setting out construction of shoring and bracing , removal of stumps and other deleterious materials and disposal of materials upto any lead and upto any lift including dressing of sides and bottom and back filling in trenches with excavated suitable approved material to the original surface in layers not exceeding 150mm ( one hundred fifty millimetres) compacted thickness including shoring and strutting and pumping and bailing out water (surface and sub soil water ) upto any depth and any quantum of water including cleaning of slush which may arise out during dewatering as per direction of Engineer-in-Charge. including carriage of material with in all leads and lifts and other incidentals .The rate includes octroi, royalty,malkhana ,toll tax,GST,labour cess or other taxes imposed by the Government..	190.10	Per cubic metre			
2	Providing and laying of boulder apron laid in wire crates with 4mm ( four millimetre ) dia G.I. wire ( Galvanized iron wire) conforming to IS:280 (IS : two hundred eighty ) and IS : 4826 (IS : four thousand eight hundred twenty Six) in 100mmx100mm ( hundred millimetres into hundred millimetres) mesh ( Woven diagonally ) including 10% ( ten percent ) extra for laps and joints laid with stone boulders weighing not less than 25kg ( twenty five kilogramme) each and stone spalls as per drawing and M.O.R.D. 2014 technical specification Clause 1301 and as per directions of Engineer-in-Charge including carriage of materials within all leads and lifts and other incidentals . The rate includes octroi, royalty, Malkana, toll tax, goods service tax, labour cess or other taxes imposed by the Government.	326.06	Per cubic metre			
<b>Total in Figures</b>						

Execd by Engineer  
 Bangana Division  
 P.P.W.D. Bangana



## SCHEDULE OF QUANTITY

**Name of Work:- A/R & M/O on link road Village Bhaleti to Bhugrian from UAM road Km 0/000 to 0/350 (SH: C/o CC Pavement from Rd 0/000 to 0/175)**

Sr. No.	Description of work	No. or Qty.	Unit	RATE in Figures and words		AMOUNT Rs.
				Figures	Words	
1	Providing and laying mechanically mixed and vibrated concrete for plain/ reinforced concrete in open foundation/ for all type structure complete of plain cement concrete nominal mix 1:4:8 ( One cement :four sand: eight graded crushed /broken stone aggregate 20mm (twenty Millimeter) nominal size in or under water and curing complete including pumping or bailing out water, dewatering removal of slush as required at site which may arise at the time of laying under water complete for all heights/ depths including the cost of form work as per drawings and MORD technical specification Clause 802.803.1202 and 1203 as per the direction of the Engineer-in-charge including carriage of material with in all leads and lifts and other incidentals . The rate includes octroi, royalty, malkhana ,toll tax, GST, labour cess or other taxes imposed by the Government.	8.38	Per cubic metre			
2	Providing and laying mechanically mixed and vibrated concrete for plain/reinforced cement concrete M-15 (M-fifteen) grade design mix in sub structure for all type of structure complete cement contents not less than 240 kg (two hundred forty kilogram) per cubic metre on ground or under water and curing complete including pumping or bailing out water, dewatering removal of slush as required at site which may arise at the time of laying under water complete for all heights/ depths including the cost of form work as per drawings and M.O.R.D 2014 technical specification Clause 802, 804, 805, 806, 807, 1202 and 1206 as per the direction of the Engineer-in-charge , including carriage of materials within all leads and lifts and other incidentals. The rate includes of octroi, royalty, Malkana, toll tax , goods service tax, labour cess or other taxes imposed by the Government.	85.31	Per cubic metre			
<b>Total in Figures</b>						

  
 Executive Engineer  
 Bangana Division  
 H.P.P.W.D. Bangana

Estimated Cost: ` 356509.00  
 Earnest Money: ` 7200.00  
 Time Limit: Two mon



## SCHEDULE OF QUANTITY

Name of Work:- Balance work of link road from Thana to Kut Chateher to Alsahan Harijan Basti Bhiambi & Village Lower Thana Km 0/000 to 6/615 (SH: C/o Hume Pipe Culvert 900mm dia at Rd 1/240 & Edge wall from Rd 1/225 to 1/347)					Estimated Cost: `
					Earnest Money: `
					Time Limit: Two month
Sr. No.	Description of work	No.or Qty.	Unit	RATE in Figures and words	AMOUN Rs.
1	Earth work in excavation for all type of road structure and all type of on classification of soil comprising of ordinary soil, ordinary rock, hard rock chiseling /wedging out rocks ( Where blasting is prohibited) such as retaining walls, breast walls, culverts, drains and parapets etcetera as per drawings and technical specification clause 305.1 and as per direction of the Engineer- In – Charge including setting out construction of shoring and bracing, removal of stumps and other deleterious materials and disposal of materials upto any lead and upto any lift including dressing of sides and bottom and back filling in trenches with excavated suitable approved material to the original surface in layers not exceeding 150mm ( one hundred fifty millimetres) compacted thickness including shoring and strutting and pumping and bailing out water (surface and sub soil water ) upto any depth and any quantum of water including cleaning of slush which may arise out during dewatering as per direction of Engineer-in-Charge. including carriage of material with in all leads and lifts and other incidentals .The rate includes octroi, royalty,malkhana ,toll tax,GST,labour cess or other taxes imposed by the Government..	137.76	Per cubic metre		
2	Providing and laying mechanically mixed and vibrated concrete for plain/ reinforced concrete in open foundation/ for all type structure complete of plain cement concrete nominal mix 1:4:8 ( One cement :four sand: eight graded crushed /broken stone aggregate 20mm (twenty Millimeter) nominal size in or under water and curing complete including pumping or bailing out water,dewatering removal of slush as required at site which may arise at the time of laying under water complete for all heights/ depths including the cost of form work as per drawings and MORD technical specification Clause 802.803.1202 and 1203 as per the direction of the Engineer-in- charge including carriage of material with in all leads and lifts and other incidentals .The rate includes octroi, royalty,malkhana ,toll tax,GST,labour cess or other taxes imposed by the Government.	146.83	Per cubic metre		
3	Providing and laying mechanically mixed concrete for plain/ reinforced concrete in sub-structure for all type of structure complete of plain cement concrete grade M-15 ( M fifteen) nominal mix 1: 2 ½ :5 ( One cement : two point five sand : five graded crushed stone aggregate 40mm ( forty millimeter) nominal size in or under water and curing complete including pumping or bailing out water , dewatering removal of slush as required at site which may arise at the time of laying under water complete for all heights/ depths including the cost of form work in abutments as per drawings and M.O.R.D. technical specification Clause 802, 804, 805, 806, 807, 1202 and 1204 and as per the direction of the Engineer-in-Charge . Including carriage of material within all leads, lifts and other incidental . The rates are inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government.	20.25	Per cubic metre		



Sr. No.	Description of work	No. or Qty.	Unit	RATE in Figures and words		AMOUNT Rs.
				Figures	Words	
4	Providing and laying 900mm(Nine hundred millimetre) dia reinforced cement concrete pipe NP-2 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2(One cement:two sand) but excluding excavation protection work, back filling, concrete and masonry work in head walls and parapets as per technical specifications clause -1106 including carriage of material with in all leads and lifts and other incidentals .The rate includes sale tax octroi, royalty, Malkhana , toll tax, GST, labour cess or other taxes imposed by the Government.	7.50	Per running meter			
5	Providing and laying mechanically mixed and vibrated concrete for plain/ reinforced concrete in open foundations upto all heights for all type structure complete of plain with cement concrete design mix of grade M-20 (M-twenty) cement contents not less than 350kg(three hundred fifty kilogram) per cubic metre in or under water and curing complete including pumping or bailing out water, dewatering removal of slush as required at site which may arise at the time of laying under water complete for all heights/ depths including the cost of form work as per drawings and technical specification Clause 802.803, 1202 and 1203 as per the direction of the Engineer-in-charge including carriage of material with in all leads and lifts and other incidentals .The rate includes octroi, royalty, Malkhana , toll tax, GST, labour cess or other taxes imposed by the Government..	0.49	Per cubic metre			
6	Providing and laying mechanically mixed and vibrated plain cement concrete in foundation and plinth as per drawing and technical specification clause 800, & 1200 for nominal mix 1: 5: 10 ( one cement: five sand : ten graded crushed stone aggregate 40mm (forty millimeters) nominal size and curing complete including pumping or bailing out water, dewatering, removal of slush as required at site which may arise at the time of laying under water complete for all heights/depths and the cost of form work in retaining walls, breast walls etcetera as per the direction of Engineer-in-Charge. The rates are inclusive of octroi, royalty, Malkhana, toll tax, sale tax or other taxes imposed by the Government.	21.42	Per cubic metre			
7	Back filling with granular material behind return wall, abutment, wing wall and retaining walls complete as per drawing and technical specifications clause 1204.3.8 and as per direction of Engineer – in- Charge including carriage of materials within all leads and lifts and other incidental. The rates are inclusive of octroi, royalty, Malkhana, toll tax, sale tax goods service tax, labour cess or other taxes imposed by the Government.	1.89	Per cubic metre			
8	Providing weepholes in brick masonry/ stone masonry /plain reinforced concrete abutment, wing wall, return wall with 100mm(hundred millimetre) dia PVC pipe make of (D-plast) / Finolex, ) working pressure not less than 4.5 (four point five ) kg/cm <sup>2</sup> extending through the full width of the structures with slope of 1(V):20(H)(one vertical twenty horizontal) towards drawing face complete as per drawings and technical specification clause 614, 709, 1204.3.7 including carriage of material with in all leads and lifts and other incidentals .The rate includes sale tax octroi, royalty, Malkhana , toll tax, GST, labour cess or other taxes imposed by the Government..	52.00	Each			
Total in Figures						

Executive Engineer  
Bangana Division  
P.P.W.D. Bangana



## SCHEDULE OF QUANTITY

**Name of Work:- A/R & M/O Bangana Shantla road (SH: P/L 20mm thick Premix Carpet with seal coat in Km 0/485 to 0/958) (Extra width due to Sevarage Line)**

Sr. No.	Description of work	No. or Qty.	Unit	RATE in Figures and words		AMOUNT Rs.
				Figures	Words	
1	Providing and applying primer coat with BITUMEN emulsion SS-1 on the prepared surface of granular base including cleaning of road surface with hydraulic brooms and spraying primer @ 0.70kg-1.00 kg (zero decimal seven zero kilogram to one decimal zero kilogram) per square metre using mechanical means as per M.O.R.D. technical specifications clause 502 including carriage of materials in all leads, lifts and other incidental and as per the entire satisfaction and directions of Engineer-in-Charge. The rates are inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government.	670.47	Per Square metre			
2	Providing and applying tack coat with bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.275 kg. per sqm (Zero point two hundred seventy five kilogram) per square metre on the prepared granular surfaces treated with primer and cleaned with Hydraulic broom as per technical specification clause 503 including carriage of material with in all leads and lifts and other incidentals .The rate includes sale tax octroi, royalty, malkhana, toll tax, GST, labour cess or other taxes imposed by the Government.	1270.50	Per Square metre			
3	Providing laying and rolling of open graded premix carpet of 20mm (twenty millimetre) thickness composed of 13.2mm ( thirteen decimal two millimetre) to 5.6mm ( five decimal six millimetre size aggregate at the rate of 0.27 cum(zero point two seven cubic metre)mixed with penetration grade bitumen binder VG-30 at the rate of 14.6 kg. per ten square metre and laying with paver finisher to required line grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant laying and rolling with a three wheel 80-100 ( eighty to one hundred )KN static road roller capacity finished to required level and grade to be followed by seal coat of either type A or type B or type C mechanically as per . technical specifications clause No. 508 (Bitumen VG-30 ) as per the entire satisfaction and direction of Engineer – in- Charge including carriage of material with in all leads and lifts and other incidentals .The rate includes sale tax octroi, royalty, malkhana, toll tax, GST, labour cess or other taxes imposed by the Government.	1270.50	Per Square metre			
4	Providing and laying seal coat for sealing the voids in a bituminous surface laid to specified level grade and cross fall using type-B as per technical specification clause 510 using BITUMEN V G - 30 at the rate of 0.68 kg ( zero point six eight kilogram) premixed with 0.006 ( zero point zero-zero six) cubic metre of fine aggregate per Sqm. ( square metre) heated in mini hot mix plant and laying mechanically of mixed material and rolling with power road roller 8-10 ( eight to ten) tonne capacity including carriage of materials in all leads, lifts and other incidental and as per the entire satisfaction and directions of Engineer-in-Charge. The rates are inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government.	1270.50	Per Square metre			
<b>Total in Figures</b>						

Executive Engineer  
Bangana Division  
H.P.P.W.D. Bangana



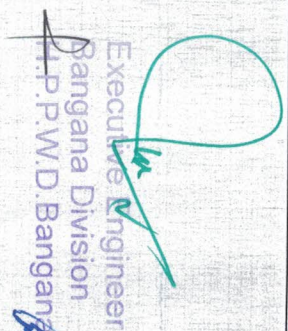
## SCHEDULE OF QUANTITY

**Name of Work:- C/O Link road from Tehi Bijli Ghar to Deehar road to Abadi Sh. Dev Raj Singh (SH: P/L  
GSB, WMM & M/T in Km 0/000 to 0/215)**

Sr. No.	Description of work	No. or Qty.	Unit	RATE in Figures	Estimated Cost: `	
					Earnest Money: `	Two mon
				Words	Time Limit:	Rs.
1	Construction of gravel/soil aggregate sub base/base by providing well graded material of nominal maximum size grading 80mm as per table 2.3 of IRC SP 77-2008, Spreading in uniform layers with tractor mount appropriate grading arrangements on prepared surface, mixing by mix in place method at OMC with tractor mount appropriate rotavator attachment and compaction with three wheel 80-100 KN Static roller capacity to achieve the desired density complete as per specifications contained in Para 2.2.3.6 and 3.7 of IRC SP 77-2008 including carriage of materials in all leads, lifts and other incidental and as per the entire satisfaction and directions of Engineer-in-Charge. The rates are inclusive of octroi, royalty, Malkana, toll tax, sale tax, goods service tax, labour cess or other taxes imposed by the Government.	75.63	Per cubic metre			
2	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 100kN 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. including carriage of materials in all leads, lifts and other incidental and as per the entire satisfaction and directions of Engineer-in-Charge. The rates are inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government	68.85	Per Cubic metre			
3	Providing and applying primer coat with BITUMEN emulsion SS-1 on the prepared surface of granular base including cleaning of road surface with hydraulic brooms and spraying primer @ 0.70kg-1.00 kg (zero decimal seven zero kilogram to one decimal zero kilogram) per square metre using mechanical means as per M.O.R.D. technical specifications clause 502 including carriage of materials in all leads, lifts and other incidental and as per the entire satisfaction and directions of Engineer-in-Charge. The rates are inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government.	688.54	Per Square metre			
4	Providing and applying tack coat with bitumen emulsion (RS-I) using emulsion distributor at the rate of 0.275 kg.per sqm (Zero point two hundred seventy five kilogram) per square metre on the prepared granular surfaces treated with primer and cleaned with Hydraulic broom as per technical specification clause 503 including carriage of material with in all leads and lifts and other incidentals .The rate includes sale tax octroi, royalty,malkhana ,toll tax,GST,labour cess or other taxes imposed by the Government.	688.54	Per Square metre			



Sr. No.	Description of work	No. or Qty.	Unit	RATE in Figures and words		AMOUNT Rs.
				Figures	Words	
5	Providing laying and rolling of open graded premix carpet of 20mm ( twenty millimetre) thickness composed of 13.2mm ( thirteen decimal two millimetre) to 5.6mm ( five decimal six millimetre size aggregate at the rate of 0.27 cum(zero point two seven cubic metre)mixed with penetration grade bitumen binder VG-30 at the rate of 14.6 kg. per ten square metre and laying with paver finisher to required line grade and level to serve as wearing course on a previously prepared base, including mixing in a suitable plant laying and rolling with a three wheel 80-100 ( eighty to one hundred )KN static road roller capacity finished to required level and grade to be followed by seal coat of either type A or type B or type C mechanically as per . technical specifications clause No. 508 (Bitumen VG-30 ) as per the entire satisfaction and direction of Engineer – in- Charge including carriage of material with in all leads and lifts and other incidentals .The rate includes sale tax octroi, royalty,malkhana ,toll tax,GST,labour cess or other taxes imposed by the Government.	688.54	Per Square metre			
6	Providing and laying seal coat for sealing the voids in a bituminous surface laid to specified level grade and cross fall using type-B as per technical specification clause 510 using BITUMEN V G - 30 at the rate of 0.68 kg ( zero point six eight kilograme) premixed with 0.006 ( zero point zero-zero six) cubic metre of fine aggregate per Sqm. ( square metre) heated in mini hot mix plant and laying mechanically of mixed material and rolling with power road roller 8-10 ( eight to ten) tonne capacity including carriage of materials in all leads, lifts and other incidental and as per the entire satisfaction and directions of Engineer-in-Charge. The rates are inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government.	688.54	Per Square metre			
Total in Figures						

  
 Executive Engineer  
 Bangana Division  
 P.P.W.D. Bangana




## SCHEDULE OF QUANTITY

**Name of work:- Improvement of Road regarding road safety of various road Under Bangana Sub-Division(Sh: Providing and Fixing Cat Eye at various road and various RD's)**

Sr. No.	Description of work	Quantity	Unit	Estimated Cost Rs		AMOUNT Rs.
				Figures	Words	
1	Providing and fixing Duel Direction Reflective Cat Eye with Double Barrel Sanks of Impact resistant ABS PLASTIC STUD 100X90X16MM Ulea Violet , resistant Yellow/ Red Colour havinf micro persmatic / Cube corner reflectors suitable for fixing with epoxy / Bitumen adseive make M-3 , including carriage of materials with in all leads and lifts and other incidentals. The rates are inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government.	798.00	Each			
Total in Figures						

Estimated Cost Rs 99750.00  
Earnest Money Rs 2000.00

Time Limit: Two Month

  
 Executive Engineer  
 Bangana Divn.H.P.P.W.D.  
 BANGANA