

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: - | 24.08.2022 upto 5.00 PM. |
| 2. Date of issue /sale of tender forms against
Cash payment (Non-refundable):- | 25.08.2022 upto 4.00 PM. |
| 3. Date of receipt of tenders: - | 26.08.2022 upto 10.30 AM. |
| 4. Date of opening of tenders: - | 26.08.2022 at 11.00 AM. |

Sr.No.	Name of Work	Estimated Cost	EMD	Time Limit	Cost of Tender	Eligible class of Contractor
1	Supply Installation Testing & Commissioning of the CCTV surveillance System at E.E. Office , Sub-Division and Rest House at Bangana District Una (H.P.)	221850	4500	One month	350	Class-D
2	A/R & M/O Rest House at Bangana, District Una (H.P.) (SH: C/o stage at Rest house ground i/c foot path etc.)	361662	7250	Three month	350	Class-D
3	A/R & M/O Rest House at Bangana, District Una (H.P.) (SH: P/F M.S.B.P. Sheet, Pre-painted sheet and Steel work)	499825	10000	Two month	350	Class-D
4	A/R & M/O on Various roads under Bangana Sub-Division (SH:- Patch work on Various roads)	499479	10000	Two month	350	Class-D
5	A/R & M/O on Various roads under Bangana Sub-Division (SH:- Patch work on Various roads)	499308	10000	Two month	350	Class-D
6	A/R & M/O on Various roads under Dera Baba Rudru Sub-Division (SH:- Patch work on Various roads)	499214	10000	Two month	350	Class-D
7	A/R & M/O on Various roads under Dera Baba Rudru Sub-Division (SH:- Patch work on Various roads)	499138	10000	Two month	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.

The Copy of valid enlistment, GST Registration No., Income Tax PAN No & EPF No. must be attached with application.

SPECIAL CONDITION:-

1. The tender form will be issued to those contractors who have relevant machinery and equipment, the list of which may be attached with their applications.(The proof of ownership of machinery/legal tie up arrangement).

2. The tender form will not be issued to those contractors who have already two works in hand. The earnest money for the above work should be submitted with the application for the purchase of the tender forms. The application received without earnest money shall summarily be rejected.
3. The conditional/ambiguous/telegraphic tenders or tender by fax shall not be entertained/considered in any case.

5683 - 5722

No.PW/BGN/CB/T-1/2022-23-

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

1. The Engineer-in-Chief HPPWD, Nirman Bhawan Shimla.
2. All the Chief Engineer in HPPWD.
3. The Superintending Engineer, 15th Circle, HPPWD., Una.
4. All the Assistant Engineer, working under this Division.
5. The B.D.O. Bangana
6. Accounts Branch.
7. Drawing Branch.
8. Various Contractors working under this Division
9. Notice Board.

Dated


16-08-22

Executive Engineer
Bangana Division
HPPWD Bangana.

Executive Engineer,
Bangana Division,
HPPWD Bangana.

Certificate

Certified that the tenders called vide this office letter No. PW/BGN/CB/T-1/2022-23-5683⁵⁷²² dated 16.08.2022 is emergent nature and in public interest.


Executive Engineer,
HPPWD Division
Bangana.

SCHEDULE OF QUANTITY				Estimated Cost :- 221850.00		
Name of Work :- Supply Installation Testing and Commissioning of the CCTV surveillance system at Executive Engineer Office, Sub Division & Rest House at Bangana HP.				Earent Money :- 4500.00		
				Time limit :- One Month		
S.No	Description Of Item	Qty.	Rate in		Unit	Amount
			UNIT	Word		
1	SITC of the day night dome camera with 3.6 mm lens, viewing and recording resolution upto four mega pixel (4MP), IR Distance must be thirty meters (30 Mtrs), must have BLC, HLC functions. Product must be finished with as per the specifications and standards provided by the Engineer-In-Chief. The rates are inclusive of octroi, royalty, malkana toll tax, sale tax, GST or other taxes imposed by the government.	2	Each			
2	SITC of the day night bullet camera with 3.6 mm lens, viewing and recording resolution upto four mega pixel (4MP), IR Distance must be thirty meters (30 Mtrs), must have BLC, HLC functions, weather protection standard must IP66. Product must be finished with as per the specifications and standards provided by the Engineer-In-Chief. The rates are inclusive of ,royalty,malkana toll tax, sale tax, GST or other taxes imposed by the government.	2	Each			
3	SITC of the day night Bullet camera with 6 mm lens, viewing and recording resolution upto four mega pixel (4MP), IR Distance must be thirty meters (60 Mtrs), must have BLC, HLC functions. Product must be finished with as per the specifications and standards provided by the Engineer-In-Chief. The rates are inclusive of octroi,royalty,malkana toll tax, sale tax, GST or other taxes imposed by the government.	6	Each			
4	SITC of the Four channel (4 Channel) DVR, must have four channel simultaneous play back upto four channel, recording resolution is upto four mega pixel,must support two usb port, one HDMI output port, one or two sata port for hardisk which support upto 4TB HDD Capacity, one ethernet port, support motion detection,event playback, HTTP, email function, DHCP support, features. Product must be finished with as per the specifications and standards provided by the Engineer-In-Chief. The rates are inclusive of octroi,royalty,malkana toll tax, sale tax, GST or other taxes imposed by the government.	1	Each			

5	SITC of the Eight channel (8 Channel) DVR, must have four channel simultaneous play back upto four channel, recording resolution is upto four mega pixel, must support two usb port, one HDMI output port, one or two sata port for hardisk which support upto 4TB HDD Capacity, one ethernet port, support motion detection, event playback, HTTP, email function, DHCP support, features. Product must be finished with as per the specifications and standards provided by the Engineer-In-Chief. The rates are inclusive of octroi, royalty, malkana toll tax, sale tax, GST or other taxes imposed by the government.	2	Each			
6	SITC of Hard Disk Drive which must have storage capacity of four tera bytes (2TB). Hard disk drive must have the capacity of working 24*7 without stopping. Product must be finished with as per the specifications and standards provided by the Engineer-In-Chief. The rates are inclusive of octroi, royalty, malkana toll tax, sale tax, GST or other taxes imposed by the government.	3	Each			
7	SITC of power supply of the cameras. power supply must support eight (8) cameras at a time must have dc output of ten ampers and must have capacity to work 24*7. Product must be finished with as per the specifications and standards provided by the Engineer-In-Chief. The rates are inclusive of octroi, royalty, malkana toll tax, sale tax, GST or other taxes imposed by the government.	6	Each			
8	SITC of HDMI cable for the DVR output must have a suitable length upto ten meters Product must be finished with as per the specifications and standards provided by the Engineer-In-Chief. The rates are inclusive of octroi, royalty, malkana toll tax, sale tax, GST or other taxes imposed by the government.	3	Each			
9	SITC of extension board work as a power source for all the equipments must have four three pin sockets with seprate on/off switch and must have working capacity of 24*7. Product must be finished with as per the specifications and standards provided by the Engineer-In-Chief. The rates are inclusive of octroi, royalty, malkana toll tax, sale tax, GST or other taxes imposed by the government.	3	Each			
10	SITC of PVC conduit pipe for all the camera locations. pipes must be of standard thickness. Product must be finished with as per the specifications and standards provided by the Engineer-In-Chief. The rates are inclusive of octroi, royalty, malkana toll tax, sale tax, GST or other taxes imposed by the government.	800	per meter			

11	SITC of CCTV cable ie three plus one cable for the communicatio between camera and DVR must have proper plastic insulation jacket, video cable is of standard gauge of twenty two. Product must be finished with as per the specifications and standards provided by the Engineer-In-Chief. The rates are inclusive of octroi, royalty, malkana toll tax, sale tax, GST or other taxes imposed by the government.	800	per meter			
12	SITC of Cat 6 Cable from the Main Internet Hub to Other location with 8 Pairs, 23 gauge of Copper. Product must be finished with as per the specifications and standards provided by the Engineer-In-Chief. The rates are inclusive of octroi, royalty, malkana toll tax, sale tax, GST or other taxes imposed by the government.	200	per meter			
13	SITC of 6U wall moun rack having the standard height of 17.5cm, rack is of metal body and kust have sufficient space for all the equipments. Product must be finished with as per the specifications and standards provided by the Engineer-In-Chief. The rates are inclusive of octroi, royalty, malkana toll tax, sale tax, GST or other taxes imposed by the government.	3	Each			
14	SITC including clipping clamping of the connectors, mounting of brackets, programming of all the products, cameras visibility check, data recording setting, DVR verification setting, one year service Installation must be finished with as per the specifications and standards provided by the Engineer-In-Chief. The rates are inclusive of octroi, royalty, malkana toll tax, sale tax, GST or other taxes imposed by the government.	1	Each			
	Total					


 Executive Engineer
 Bangalore Division
 I.P.P.W.D. Bangalore


Draft Schedule of Quantity

Name of work:- A/R & M/O Rest House At Bangana Distt Una (H.P.)
(SH:- C/o Stage at Rest House Ground i/c Foot Path etc.)

Estimated Cost: ` 361662.00
Earnest Money: ` 7250.00

Time Limit: Three Month

Sr. No.	Description of work	No.or Qty.	Unit	RATE in Figures and words		AMOUNT Rs. P
				Figures	Words	
1	Excavation in foundation, trenches etc.in earth work, lift up to 1.50 meter stacking the excavated soil not more than 3.00 metre, clear from the edge of excavation and then returning the stacked soil in 15cm layer when required in to plinths, sides of foundation etc. consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth as directed with in a lead of 20 metres. Pick, Jumper work. as per the entire specifications 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 .	17.28	Per cubic metre			
2	Providing and laying cement concrete 1:3:6 (1 cement : 3 sand : 6 graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work in: as per the entire specifications 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 .	15.98	Per cubic metre			
3	Providing and Fixing M.S. 100 MM dia steel Pipe as per the entire specifications 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 .	57.6	RMtr			
4	Providing and laying cement concrete work 1:2:4 (1 Cement :2 Sand:4 graded stone aggregate 20 mm nominal size) and curing complete excluding cost of form work and reinfor cement for reinforced concrete work in columns and the like and mass concrete. as per the entire specifications 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 .	1.17	Per cubic metre			
5	Second class brick work using common burnt clay building bricks in superstructure above plinth level upto all floor levels in cement mortar 1:6 (1 cement : 6 sand) as per the entire specifications 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 .	15.37	Per cubic metre			
6	Construction of embankment with approved material obtained from borrow pits with a lift upto 1.5 m, transporting to site, spreading grading to required slope and compacting to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000 m as per Technical Specification Clause 301.5 as per the entire specifications 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 .	49.29	Per cubic metre			
7	Backfilling behind abutment, wing wall and return wall complete as per drawings & technical specification Clause 1204.3.8 as per the entire specifications 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 .	9.58	P/cum.			
8	Providing and laying cement concrete 1:4:8 (1 cement : 4 sand : 8 Graded stone aggregate 25mm nominal size) and curing complete excluding cost of form work in foundation and plinth as per the entire specifications 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 .	4.92	P/cum.			
9	Filling in plinth with sand under floors including watering, ramming consolidating and dressing complete. as per the entire specifications 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 .	4.92	Per cubic metre			
10	Kota stone slab flooring 20 mm (average) thick base of cement mortar 1:4 (1 cement :4 sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab. Including rubbing and polishing complete 25 mm thick as per the entire specifications 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 .	70.80	Per Sqm metre			
11	Providing and fixing Garsa stone 12mm, cladding on R.C.C. surface side as on faces of Arch masonry walls etc.on 12mm. thick cement plaster 1:3(1cement:3sand) and jointed with cement slurry i/c scaffolding etc. complete as per the entire specifications 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 .	38.40	Per Sqm metre			
12	Providing and Laying of Interlocking Concrete Block Pavements having thickn ess 60 mm as per drawing and Technical Specification Clause 1504 as per the entire specifications 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 .	144.00	Per Sqm metre			
	Total In Figures					


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

Draft Schedule of Quantity

Name of work:- A/R & M/O Rest House At Bangana Distt Una (H.P.)
(SH:- P/F M.S.B.P. Sheet , Pripainted Sheet & Steel work .)

Estimated Cost: ` 499825.00
Earnest Money: ` 10000.00
Time Limit: Two Month

Sr. No.	Description of work	No.or Qty.	Unit	RATE in Figures and words		AMOUNT Rs. P
				Figures	Words	
1	Steel work welded in built up sections, trusses and frame work, including cutting, hoisting, fixing in position and applying a priming coat of red lead paint in trusses and trussed purlins in buildings as per the entire specifications 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	36.71	P/Otl			
2	Providing and fixing M.S. BP Sheet 1.66mm to 2mm thick in eaves board/facial/soffits/ceiling including cutting, fixing and welding to steel roof members and applying a coat of red lead primer complete as per the instruction of Engineer-in-charge (Base members of steel work shall be measured & paid separately) as per the entire specifications 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	112.80	Per Sqm metre			
3	Providing and fixing 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester (RNP) organic coating of 20 microns over 5 microns primer coating to back coat of poly ster of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia metre with prepa rited limpet and rubber washers complete with all accessories as required as per the direction of Engineer-in-charge. as per the entire specifications 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	104.00	Per Sqm metre			
4	Providing and fixing ridges or hips 60 cm overall with 0.60mm thick prepainted steel sheets in roofing with hot dipped metallic zinc coated sheets with top coat of regular modified polyester organic coating of 20 microns over 5 microns primer coating + back coat of polyester of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts & nuts 6mm dia & prepainted G.I. limpet and bitumen washers complete with all accessories as required as per the direction of Engineer in Charge as per the entire specifications 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	32.00	P/Rmt.			
5	Providing and fixing valley 60 cm overall 0.60mm thick prepainted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester organic coating of back coat of polyester of 5 microns over 5 microns primer coating i/c fixing with prepainted iron J or L hooks, bolts and nuts 6mm dia with prepainted G.I. limpet and bitumen washers complete with all accessories as required as per the direction of Engineer-in-charge as per the entire specifications 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	16.00	P/Rmt.			
6	Painting two coats (excluding priming coat) on new steel and other metal surface under coat with ready mixed pain brushing to give an even shade including cleaning the surface all dirt, dust and other foreign matter :- as per the entire specifications 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	302.00	Per Sqm metre			
	Total In Figures					


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

SECHEDULE OF QUANTITY

**Name of Work:-A/R & M/O Various road under Bangana Sub Division
(SH:- Patch work various Road)**

Sr. No.	Description	Qty.	Unit	Rate	Estimated cost:-
					Rate in words
					Earnest money:-
					Time:-
					Two Month
					Amount.
1	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 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	36.15	Per Cubic metre		
2	Providing and applying tack coat with Bitumen emulsion (SS-I) using emulsion distributor at the rate of 0.70 to 1.00 kg. per square metre (Zero point seventy to one) kilogramme per square metre on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical specification clause -503 including carriage of material within all leads and lifts and other incidentals. including carriage of materials within 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.	516.25	Per square metre		

3	<p>Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat at the rate of 0.30Kg (zero decimal three zero kilogramme) per square metre, 20 mm (twenty millimeter) compacted thickness, composed of crushed stone aggregate 13.2mm (thirteen decimal two millimetre) to 5.6mm (five decimal six millimetre aggregate at rate of 0.27 cum (zero point two seven cubic metres), mixed with Bitumen VG-30 at the rate 1.46 Kg (one point four six kilogramme) per square metres of road surface to required line grade and level to serve as wearing course on a previously prepared base, including mixing and heating binder and aggregate in Hot Mix Plant 30/40 (Thirty/ Forty) Tonne per hour capacity, transporting mixed material with tipper and laying manually to the required grade and camber and rolling with a three Wheel 80-100 (Eighty-hundred) KN static road roller, finished to required level and seal coat 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 VG - 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 manually of mixed material and rolling with power road roller 8-10 (eight to ten) tonne capacity specification Clause 1904.2,503 and 508.1, including carriage of materials 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.</p>	Per square metre	2640.00			
Total Rs.						


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


SECHEDULE OF QUANTITY

**Name of Work:-A/R & M/O Various road under Bangana Sub Division
(SH:- Patch work various Road)**

Estimated cost:-	499308.00
Earnest money:-	10000.00
Time:-	Two Month
Rate	in words
	Amount.

Sr. No.	Description	Qty.	Unit	Rate	Estimated cost:- Earnest money:- Time:- Rate in words Amount.
1	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including pre-mixing 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	36.15	Per Cubic metre		
2	Providing and applying tack coat with Bitumen emulsion (SS-1) using emulsion distributor at the rate of 0.70 to 1.00 kg. per square metre (Zero point seventy to one) kilogramme per square metre on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical specification clause -503 including carriage of material within all leads and lifts and other incidentals. including carriage of materials 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.	516.25	Per square metre		

3	<p>Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat at the rate of 0.30Kg (zero decimal three zero kilogramme) per square metre, 20 mm (twenty millimeter) compacted thickness, composed of crushed stone aggregate 13.2mm (thirteen decimal two millimetre) to 5.6mm (five decimal six millimetre aggregate at rate of 0.27 cum (zero point two seven cubic metres), mixed with Bitumen VG-30 at the rate 1.46 Kg (one point four six kilogramme) per square metres of road surface to required line grade and level to serve as wearing course on a previously prepared base, including mixing and heating binder and aggregate in Hot Mix Plant 30/40 (Thirty/ Forty) Tonne per hour capacity, transporting mixed material with tipper and laying manually to the required grade and camber and rolling with a three Wheel 80-100 (Eighty-hundred) KN static road roller, finished to required level and seal coat 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 VG - 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 manually of mixed material and rolling with power road roller 8-10 (eight to ten) tonne capacity specification Clause 1904.2,503 and 508.1, including carriage of materials 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.</p>	Per square metre	2639.00	
Total Rs.				



 Executive Engineer
 Bhangaha Divn.H.I.P.W.D.
 BANGANA

SECHEDULE OF QUANTITY

**Name of Work:-A/R & M/O Various road under Dera Baba Rudru Sub
Division (SH:- Patch work various Road)**

Sr. No.	Description	Qty.	Unit	Rate	Estimated cost:-
					Rate in words
					Earnest money:-
					Time:-
					Two Month
					Amount.
1	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 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	36.15	Per Cubic metre		
2	Providing and applying tack coat with Bitumen emulsion (SS-I) using emulsion distributor at the rate of 0.70 to 1.00 kg. per square metre (Zero point seventy to one) kilogramme per square metre on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical specification clause -503 including carriage of material within all leads and lifts and other incidentals. including carriage of materials 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.	516.25	Per square metre		

3	<p>Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat at the rate of 0.30Kg (zero decimal three zero kilogramme) per square metre, 20 mm (twenty millimeter) compacted thickness, composed of crushed stone aggregate 13.2mm (thirteen decimal two millimetre) to 5.6mm (five decimal six millimetre aggregate at rate of 0.27 cum (zero point two seven cubic metres), mixed with Bitumen VG-30 at the rate 1.46 Kg (one point four six kilogramme) per square metres of road surface to required line grade and level to serve as wearing course on a previously prepared base, including mixing and heating binder and aggregate in Hot Mix Plant 30/40 (Thirty/ Forty) Tonne per hour capacity, transporting mixed material with tipper and laying manually to the required grade and camber and rolling with a three Wheel 80-100 (Eighty-hundred) KN static road roller, finished to required level and seal coat 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 VG - 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 manually of mixed material and rolling with power road roller 8-10 (eight to ten) tonne capacity specification Clause 1904.2,503 and 508.1, including carriage of materials 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.</p>	Per square metre	2638.45	
Total Rs.				


 Executive Engineer
 Bangalore Divn.H.P.P.W.D.
 HANGANA

SEHEDULE OF QUANTITY

**Name of Work:-A/R & M/O Various road under Dera Baba Rudru Sub
Division (SH:- Patch work various Road)**

Estimated cost:- 499138.00
 Earnest money:- 10000.00
 Time:- Two Month
Rate in words
Amount.

Sr. No.	Description	Qty.	Unit	Rate
1	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tipper to site, laying in uniform layers in sub-base/base course on a well prepared sub-base and compacting with smooth wheel roller of 80 to 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	36.15	Per Cubic metre	
2	Providing and applying tack coat with Bitumen emulsion (SS-I) using emulsion distributor at the rate of 0.70 to 1.00 kg. per square metre (Zero point seventy to one) kilogramme per square metre on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical specification clause -503 including carriage of material within all leads and lifts and other incidentals. including carriage of materials 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.	516.25	Per square metre	

3	<p>Repair to pot holes and removal of loose material, trimming of sides, cleaning of surface by providing tack coat at the rate of 0.30Kg (zero decimal three zero kilogramme) per square metre, 20 mm (twenty millimeter) compacted thickness, composed of crushed stone aggregate 13.2mm (thirteen decimal two millimetre) to 5.6mm (five decimal six millimetre aggregate at rate of 0.27 cum (zero point two seven cubic metres), mixed with Bitumen VG-30 at the rate 1.46 Kg (one point four six kilogramme) per square metres of road surface to required line grade and level to serve as wearing course on a previously prepared base, including mixing and heating binder and aggregate in Hot Mix Plant 30/40 (Thirty/ Forty) Tonne per hour capacity, transporting mixed material with tipper and laying manually to the required grade and camber and rolling with a three Wheel 80-100 (Eighty-hundred) KN static road roller, finished to required level and 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 VG - 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 manually of mixed material and rolling with power road roller 8-10 (eight to ten) tonne capacity specification Clause 1904.2,503 and 508.1, including carriage of materials 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.</p>	Per square metre	2638.00	
Total Rs.				


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