

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT
*** Notice Inviting Tender *****

Sealed item rate tender on form No. 6 & 8 are hereby invited by the Executive Engineer, HP PWD Division Tanda at Nagrota Bagwan on behalf of Governor of Himachal Pradesh for the following work from the approved and eligible contractors enlisted in HP PWD (B & R) whose registration stood renewed as per revised rules so as to reach in his office on or before on **22.11.2021** up to **11:00 A.M.** And the same shall be opened on the same day at **11:30 A.M.** in the presence of intending contractors or their authorized representatives. The tender form can be obtained from his office on cash payment (non refundable) on **20.11.2021** up to **4:00 P.M.** and the application for issue of tender form shall be received on **18.11.2021** up to **12:00 noon.** The applications for issue of tender forms accompanied with enlistment letter or renewal letter and the earnest money in the shape of National Saving Certificates/Saving Account of the Post Office /Time Deposit account/FDR in Himachal Pradesh duly pledged in favour of Executive Engineer, HP PWD Division Tanda at Nagrota Bagwan.

The conditional tender and the tender received without earnest money will summarily be rejected. The offer of the tender shall be kept open for 120 days.

Sr. No.	Name of work	Estimated Cost	Earnest Money	Time limit
1	Repair of road from Daroon Khad to Bhoot Basti Rounkhar in Distt Kangra (SH:- Restoration of Retaining wall at various RD's (Deposit work).	Rs 4,89,650/-	10000/-	Three months
2	Improvement of roadside infrastructure Ambari Kawari road in Distt Kangra (HP) (SH:-Construction of 1.00mtr span culvert at RD 6/050)/	Rs 2,58,466/-	5200/-	Three months
3	Improvement of roadside infrastructure Nagrota Ghorab Badrehar road in Distt Kangra (HP) (SH:-Construction of 0.600 mtr span culvert at RD 1/240).	Rs 1,82,108/-	3650/-	Three months
4	Restoration of rain damages on link road to Dhauladhar Colony at Nagrota Bagwan in Distt Kangra (HP) (SH:-Construction of V-shape drain at RD 0/030 to 0/340).	Rs 4,99,910/-	10000/-	Three months
5	Construction of B. Pharmacy College at Nagrota Bagwan Distt Kangra (HP) (SH:-Earth filling in Boys Hostel).	Rs 4,95,487/-	10000/-	Three months
6	Restoration of rain damages on Nagrota Bagwan Dhaloon road in Distt Kangra (HP) (SH:-Construction of U-shape drain between Km 3/000 to 5/000)	Rs 3,56,975/-	7150/-	Three month
7	Improvement of roadside infrastructure Tang Uthragran Ramehar Baldhar Jassour road in Distt Kangra (HP) (SH:-Construction of U-shape drain at RD3/692 to 3/900 L/side and 3/725 to 3/775 R/Side)	Rs 3,94,631/-	7900/-	Three months
8	Construction of link road from Hatwas to Uperli Majhetli in Distt Kangra (HP) (SH:-Providing and laying Tarring in Km 1/100 to 1/550).	Rs 3,99,109/-	8000/-	Three months
9	Improvement of Black spot on Ghumarda road in Distt Kangra (HP) (SH:-Providing and fixing W-metal Crash Barrier at RD 0/100 to 0/290 & CC pavement at RD 0/000 to 0/060).	Rs 4,99,908/-	10000/-	Three months
10	Restoration of rain damages on Nagrota Bagwan Dhaloon road in Distt Kangra (HP) (SH:-Providing and laying built up spray grout between RD 3/000 to 4/400)	Rs 4,99,260/-	10000/-	One month
11	Restoration of rain damages on Nagrota Bagwan Dhaloon road in Distt Kangra (HP) (SH:-Providing and laying built up spray grout between RD 4/400 to 4/35)	Rs 4,99,260/-	10000/-	One month
12	Special repair to Central Animal House in Dr R.P.G. M.C. Tanda in Distt Kangra (HP) (SH:-Dismantling flooring, repair of plaster, providing and fixing glass panes Aluminium work etc;)	Rs 3,09,360/-	6200/-	Two month

- The contractor/firm should be registered as or dealer GST No.
- The intending contractor / firm have to produce the copy of latest enlistment and renewal enlisted in HPPWD.
- If any of the date mentioned above happened to be Gazetted Holidays the same shall be processed on next working day.
- The Executive Engineer reserves the right to accept/reject any tender/application or all tenders without assigning any reason.
- The Contractor will have to submit affidavit along with application for issue of tender that he has not more than two works in hand.
- Next tender will be issued only after completion of previous works in hand.

HIMSUCHANA AVAM & JAN SAMPARK

Executive Engineer
H.P.P.W.D. Tanda Division
at Nagrota Bagwan

(On behalf of Governor of Himachal Pradesh)

No.PW/NBD/Tender/2021/ 9181 - 9210

Dated/ 8-11-2021

Copy to the following for information and necessary action:-

- The Principal Secy. (PW) to the Govt. of H.P. Shimla.
- The Engineer-in-Chief, HPPWD, Shimla.
- The Chief Engineer (KZ), HPPWD, Dharamshala.
- The Superintending Engineer, 5th Circle, HPPWD, Palampur.
- The Principal, Dr. RPGMC, Tanda.
- ☒ The Executive Engineer (IT), Nigam Vihar Shimla 2 for information. He is requested to upload the same on the departmental website.
- The Deputy Commissioner, Kangra at Dharamshala.
- All the S.E.s/E.E.s under North Zone.
- The Sub-Divisional Officer (C) Nagrota Bagwan.
- The Block Development Office Nagrota Bagwan
- All the Assistant Engineer under this Division.
- The Drawing /Accounts Branch in this office.
- The Contractors concerned.
- Notice Board.

Executive Engineer
H.P.P.W.D. Tanda Division
at Nagrota Bagwan

Schedule of Quantity

NAME OF WORK :- Repair of road from Daroon Khad to Bhoot Basti Rounkhar.

SUB-HEAD :- Construction of retaining wall at various RDs (Deposit).

ESTIMATED COST :- ₹ 489650.00
EARNEST MONEY :- ₹ 9800.00
TIME LIMIT : THREE MONTHS

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Earthwork 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 a lead of 50 m, dressing of sides and bottom and backfilling in trenches with excavated suitable material, including entire carriage of materials within all leads, lifts and other incidentals.	58.19 Cubic metres			Per cubic metre	
2	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 802, 803, 1202 & 1203 with cement concrete 1:5:10 (One cement: Five sand : Ten graded/crushed stone aggregate 40mm (forty millimeter) nominal size), as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	219.48 Cubic metres			Per cubic metre	
3	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 including entire carriage of materials within all leads and lifts and other incidentals.	58 Numbers			Each	
4	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, including entire carriage of materials within all leads, lifts and other incidentals.	28.15 Cubic metres			Per cubic metre	
TOTAL :-						

Executive Engineer,
H.P.P.W.D., Division,
Fanda at Nagrota Bagwan.

Schedule of Quantity

ESTIMATED COST: - ₹ 258466.00
 EARNEST MONEY :- ₹ 5200.00
 TIME LIMIT : THREE MONTHS

NAME OF WORK : Improvement of road side infrastructure Ambari Kawari road in Distt Kangra (HP)
SUB HEAD Construction of 1.00mtr span RCC slab culvert at RD 6/050

S. No.	Description of items	Qty	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metres) on plan, including dressing of sides and ramming of bottoms, lift upto 1.5m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m (fifty meters), dressing of sides and bottom and backfilling in trenches with excavated suitable material as directed by the Engineer-In-charge, including carriage of materials within all leads lifts and other incidentals.	18.68 Cubic metres			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering. Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	2.08 Cubic metres			Per cubic metre	
3	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 20mm (Twenty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-In-charge including carriage of materials within all leads and lifts and other incidentals.	14.64 Cubic meters			Per cubic metre	
4	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works as per approved drawing, design and as directed by the Engineer-in-Charge, including entire carriage of materials within all leads, lifts	1438.72 Kilogram			Per kilo-gram	
TOTAL :-						

Executive Engineer,
 H.P.W.D., Division,
 Tanda at Nagrota Bagwan.

Schedule of Quantity

NAME OF WORK : Improvement of road side infrastructure Nagrota Chorab Bhadrehar road in Distt Kangra (HP)
SUB HEAD Construction of 0.60mtr span RCC slab culvert at RD 1/240

ESTIMATED COST:- ₹ 182108.00
EARNEST MONEY :- ₹ 3650.00
TIME LIMIT : THREE MONTHS

S. No.	Description of items	Qty	Rate		Unit	Amount
			In fig	In words		
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metres) on plan, including dressing of sides and ramming of bottoms, lift upto 1.5m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within a lead of 50m (fifty meters), dressing of sides and bottom and backfilling in trenches with excavated suitable material as directed by the Engineer-In-charge, including carriage of materials within all leads lifts and other incidentals.	3	4	5	6	7
2	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering : Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	11.06			Per cubic metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering : Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-In-charge including carriage of material within all leads, lifts and other incidentals.	1.58			Per cubic metre	
4	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 20mm (Twenty millimetres) thickness as per HPPWD technical specification and as directed by the Engineer-In-charge including carriage of materials within all leads and lifts and other incidentals.	11.52			Per cubic metre	
4	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works as per approved drawing, design and as directed by the Engineer-in-Charge, including entire carriage of materials within all leads, lifts and other incidentals.	946.80			Per kilogram	
TOTAL :-						

Executive Engineer,
H.P.P.W.D., Division,
Tanda at Nagrota Bagwan.

SCHEDULE OF QUANTITY

ESTIMATED COST:- Rs. 499910.00
EARNEST MONEY :- Rs. 10000.00
TIME LIMIT : THREE MONTHS

NAME OF WORK :- Restoration of rain damages on link road to Dhauladhar Colony at Nagrota Bagwan in Distt. Kangra (H.P.)

SUB-HEAD :- Construction of V-Shape drain at RD 0/030 to 0/340

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Earthwork 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 any lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	91.15 Cubic meters			Per cubic metre	
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	89.95 Cubic metres			Per cubic metre	
TOTAL:-						

Executive Engineer,
H.P.P.W.D., Division,
Tanda at Nagrota Bagwan


SCHEDULE OF QUANTITY

ESTIMATED COST:- Rs. 495487.00
EARNEST MONEY :- Rs. 10000.00
TIME LIMIT : THREE MONTHS

NAME OF WORK :- C/O B.Pharmacy College at Nagrota Bagwan in Distt. Kangra (HP)

SUB-HEAD :- Earth filling in Boys Hostel

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Construction of embankment with approved materials obtained from borrow pits with a lift upto 1.5m (One point five meters) transport to sill spreading grading to required slope and compacted to meet requirement of Tables 300.1 and 300.2 with a lead upto 1000m (One thousand meters) as per Technical Specification Clause 301.5, including entire carriage of materials within all leads, lifts and other incidentals.	3	4	5	6	7
		2782.07 Cubic metres			Per cubic metre	
TOTAL:-						


Executive Engineer,
H.P.P.W.D., Division,
Tanda at Nagrota Bagwan

SCHEDULE OF QUANTITY

ESTIMATED COST:-

Rs.

356975.00

EARNEST MONEY:-

Rs.

7150.00

TIME LIMIT :

THREE MONTHS

NAME OF WORK :-

Restoration of rain damages on Nagrota Baldhar Dhaloon road Km 0/0 to 9/500 in Distt. Kangra (H.P.)

SUB-HEAD :-

Construction of U-Shape drain between Km 3/0 to 5/0

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Earthwork 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 a lead of 50m (Fifty metres), dressing of sides and bottom and backfilling in trenches with excavated suitable, as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	297.68	4	5	Per cubic metre	7
2	Providing and laying concrete for plain/reinforced concrete in open foundations complete as per drawings and technical specifications Clause 800, 803, 1202 and 1203 in cement mortar 1:3:6 (One cement: three sand: Six graded broken/crushed stone aggregate 20mm (Twenty millimeters) nominal size PCC grade M-10 (M-ten) including entire carriage of materials within all leads and lifts and other incidentals.	108.00			Per cubic metre	
TOTAL:-						

Executive Engineer,

H.P.P.W.D., Division,

Tanda at Nagrota Bagwan

SCHEDULE OF QUANTITY

NAME OF WORK :- Improvement of road side infrastructure Tang Uthragran Ramehar Baldhar Jassour road in Distt. Kangra (HP)
SUB-HEAD :- Construction of U-Shape drain at RD 3/692 to 3/900 L/S & 3/725 to 3/775 R/S

ESTIMATED COST :- Rs. 394631.00
EARNEST MONEY :- Rs. 7900.00
TIME LIMIT : THREE MONTHS

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	Earthwork 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 any lead, dressing of sides and bottom and backfilling in trenches with excavated suitable material complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	3 127.71 Cubic meters	4	5	6 Per cubic metre	7
2	Providing and laying in position cement concrete of specified grade including the cost of centering and shuttering .Plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	69.66 Cubic metres			Per cubic metre	
TOTAL:-						

Executive Engineer,
H.P.P.W.D., Division,
Tanda at Nagrota Bagwan

Schedule of Quantity

ESTIMATED COST: - ₹ 399109.00
EARNED MONEY: - ₹ 8000.00
TIME LIMIT: - THREE MONTHS

NAME OF WORK:- Construction of link road from Hatwas to Uppertil Majhetti in Dist Kangra (HP)

SUB HEAD:- Providing and laying Tarring in Km 1/100 to 1/550

Sr. No.	Description	Quantity	Rates		Unit	Amount
			In fig.	in words		
1	Providing, laying, spreading and compacting stone aggregate of size 63mm to 45mm (sixty three millimeter to forty five millimeter) Grading-II size [75mm (seventy five millimeters) compacted thickness] to water bound Macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimetres) nominal size at the rate of 0.22 cum (zero point twenty two) cubic metres per 10 sqm (per ten square metres) and binding material at the rate 0.06 cum (zero point zero six cubic metre) to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 and as per drawing and HP.PWD technical specifications, as directed by the Engineer-In-charge including carriage of materials within all leads, lifts and other incidentals. The rate inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government and rectifying defects noticed within two years as per clause 35 (III) of Standard bidding document.	3	4	5	6	7
2	Providing and applying tack coat using hot straight run bitumen of grade VG-10 (Viscosity grade-Ten) including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications on W.B.M. @0.75 Kg / sqm (Zero point seven five kilogram per square metre) as per Technical Specification Clause 502, as per the entire satisfaction and direction of Engineer-in-Charge. The rate inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government.	1417.50			Per square metre	
3	Providing and applying tack coat using bitumen emulsion conforming to IS:8887, using emulsion pressure distributor including preparing the surface & cleaning with mechanical broom On W.B.M / W.M.M. @ 0.4kg/sqm (Zero point four kilogram per square metre) and as per the entire satisfaction and direction of Engineer-in-Charge. The rate inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government.	1417.50			Per Square metre	
4	Providing and laying 2cm premix carpet surfacing with 1.8 cum and 0.90 cum (One point eight and zero point ninety cubic metre) of stone chippings of 13.2 mm size and 11.2 mm size (Thirteen decimal two millimeter and Eleven decimal two millimetre) aggregate respectively per 100 sqm (One hundred) square metre and 52 kg and 56 kg (Fifty two and fifty six kilogram) of hot bitumen per cum of stone chippings of 13.2 mm and 11.2 mm size (Thirteen decimal two millimeter and Eleven decimal two millimetre) aggregate respectively, including a tack coat with hot straight run bitumen, including consolidation with road roller of 6 to 9 tonne (Six to Nine Tonne) capacity etc. complete (tack coat to be paid for separately) With paving Asphalt grade VG-10 (Viscosity grade-Ten) heated and then mixed with solvent at the rate of 70 grams per kg of asphalt including hauling of materials labour and equipment required to execute the work at site of work with in all leads and lifts, as per the entire satisfaction and direction of Engineer-in-Charge including octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government.	1417.50			Per Square metre	
5	Providing and laying premixed seal coat for sealing the voids in a bituminous surface laid to the specified levels, grade and cross fall using Type B seal coat using VG-10 bitumen @ 6.80 kg (Six decimal eighty kilograms) mixed with 0.06 cum (Zero point zero six) cubic metre of fine aggregate for 10 sqm (Ten square metres) of road surface, heating and mixing of binder and aggregate in suitable plant, playing mechanically and rolling with Power Road Roller 80-100 KN (Eighty-One hundred) static weight as per Technical Specification Clause 510 as per the direction of Engineer-Incharge, within all leads, lifts of materials and other incidentals as per the entire satisfaction and direction of Engineer-in-Charge including octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government.	1417.50			Per Square metre	
TOTAL:-						

Executive Engineer,
H.P.R.W.B Division,
Tanda at Nagrota Bagwan.

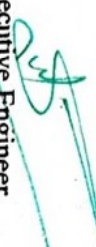
Schedule of Quantity

ESTIMATED COST:- Rs. 499908.00
EARNEST MONEY :- Rs. 10000.00
TIME LIMIT : THREE MONTHS

NAME OF WORK :- Improvement of Black Spot on Chumarda road in Distt. Kangra (H.P.).
SUB HEAD :- Providing and fixing W-metal Crash Barrier at RD 0/100 to 0/290 & CC pavement at RD 0/000 to 0/060

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig.	In words		
1	2	3	4	5	6	7
1	Earthwork 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 a lead of 50m (Fifty metres), dressing of sides and bottom and backfilling in trenches with excavated suitable, as per drawing and HP.PWD technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	12.50 Cubic metres			Per cubic metre	
2	Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) (M-20) (M-twenty) nominal size as per drawing and HP.PWD technical specifications, and as per directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	41.90 Cubic metres			Per cubic metre	
3	Providing, laying, spreading and compacting stone aggregate size 90mm to 45mm (ninety millimeter to forty five millimeter) Grading-I size [100mm (One hundred millimeters) compacted thickness] to water bound macadam specification including spreading in uniform thickness using template, hand packing, rolling with three wheel 80-100 (eighty-Hundred) K.N. static roller in stages to proper grade and camber applying and brooming, stone screening type-A of size 13.2mm (thirteen point two millimetres) nominal size at the rate of 0.30cum (zero point thirty cubic metres) per ten square metres and binding material at the rate of 0.08 cum (zero point zero eight cubic metre) per 10 Sqm (ten square meter)to fill up the interstices of coarse aggregate, watering and compacting to the required density as per technical specifications clause No. 405 and as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	9.02 Cubic metres			Per cubic metre	

4	Providing and erecting "W" Metal Beam Crash Barrier comprising of 3mm (Three millimetres) thick corrugated sheet metal beam rail, to be kept 70 cm (Seventy centimetres) above road/ground level, fixed on post and special channel section, 150x75x5mm (One hundred fifty into seventy five into five millimetres) spaced 2 metres (Two metres) center to center, 1.80 metres high, (One point eight zero), 1.10 metres (One point one zero metre) below ground/road level all steel parts and fittings to be galvanized by hot dip process. All fittings to confirm to IS: 1367 and IS: 1364, metal beam rail to be fixed on the vertical post with a space of channel section 150x75x5mm (One hundred fifty into seventy five into five millimetres), 330mm (Three hundred thirty millimetres) long complete as per Clause 810 fixed in pit size 30cmx45cm (Thirty centimetres into forty five centimetres) and one metre deep including cost of excavation and cement concrete 1:2:4 (one cement : Two sand : Four graded broken/ crushed stone aggregate 20mm (Twenty millimeters) nominal size in foundation as per direction of Engineer-in-charge including carriage of materials within all lead, lifts and other incidentals.	190.00	Running meters					
TOTAL :-								


 Executive Engineer,
 H.P.F.W.D., Division,
 Tanda at Nagrota Bagwan.

SCHEDULE OF QUANTITY

NAME OF WORK:- Restoration of rain damages on Nagrota Balhar Dhaloon road Km 0/000 to 9/000 In Dist Kangra (HP)

SUB-HEAD :- Providing and laying built up spray grout in between Km 3/000 to 4/400

ESTIMATED COST :- ₹ 499260.00
EARNEST MONEY :- ₹ 10000.00
TIME LIMIT ONE MONTH

Sl. No.	Description of work	Quantity		RATES In		Unit	Amount
		Fig	Word	Fig	Word		
1	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.225 kgs (Zero decimal Two Two Five kilograms) per square metre on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per MORD Technical Specification Clause 503 and as per direction of Engineer-In-charge including carriage of materials within all leads and lifts and other incidental. The rate inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government and rectifying defects noticed within two years as per clause 35 (III) of standard bidding document.	2500.00	Square metres			Per square metre	
2	Providing, laying and rolling of built-up spray grout layer over prepared base consisting of a one layer composite construction of crushed coarse aggregates using motor grader for aggregates. Key stone chips spreader may be used with application of bituminous binder after each layer, and with key aggregates placed on top of the single layer to serve as a base, conforming to the line, grades and cross-section specified, the compacted layer thickness being 75mm (Seventy five millimetre) as per Technical Specification Clause 505 as per direction of Engineer-in-Charge including carriage of materials within all leads and lifts and other incidental. The rate inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government and rectifying defects noticed within two years as per clause 35 (III) of standard bidding document.	2500.00	Square metres			Per square metre	
3	Providing and laying of hot applied thermoplastic compound paint 2.5mm (two point five millimetre) thick including reflectorizing glass beads @ 250 gms (two hundred fifty grams) per square meter area, thickness of 2.5mm (two point five millimeters) is exclusive of surface applied glass bead by road marking machine as per IRC 35. The finished surface to be level, uniform and free from streaks and holes as per MORTH technical specification clause 803 and as directed by the Engineer-in-charge including carriage of material within all leads, lifts, height and other incidentals. The rate inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government and rectifying defects noticed within two years as per clause 35 (III) of standard bidding document.	280.00	Square metre			Per square metre	
Total :-							

Executive Engineer,
H.P.W.D., Division,
Tanda at Nagrota Bagwan.

SCHEDULE OF QUANTITY

ESTIMATED COST :- ₹ 499260.00
EARNEST MONEY :- ₹ 10000.00
TIME LIMIT ONE MONTH

NAME OF WORK:- Restoration of rain damages on Nagrota Balhar Dhaloon road Km 0/000 to 9/000 in Dist Kangra (HP)

SUB-HEAD :- Providing and laying built up spray grout in between Km 4/400 to 5/435

Sl. No.	Description of work	Quantity	RATES In		Unit	Amount
			Fig	Word		
1	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.225 kgs (Zero decimal Two Two Five kilograms) per square metre on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per MORD Technical Specification Clause 503 and as per direction of Engineer-in-charge including carriage of materials within all leads and lifts and other incidental. The rate inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government and rectifying defects noticed within two years as per clause 35 (III) of standard bidding document.	2500.00		Square metres	Per square metre	
2	Providing, laying and rolling of built-up spray grout layer over prepared base consisting of a one layer composite construction of crushed coarse aggregates using motor grader for aggregates. Key stone chips spreader may be used with application of bituminous binder after each layer, and with key aggregates placed on top of the single layer to serve as a base, conforming to the line, grades and cross-section specified, the compacted layer thickness being 75mm (Seventy five millimetre) as per Technical Specification Clause 505 as per direction of Engineer-in-charge including carriage of materials within all leads and lifts and other incidental. The rate inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government and rectifying defects noticed within two years as per clause 35 (III) of standard bidding document.	2500.00		Square metres	Per square metre	
3	Providing and laying of hot applied thermoplastic compound paint 2.5mm (two point five millimeter) thick including reflectorizing glass beads @ 250 gms (two hundred fifty grams) per square meter area, thickness of 2.5mm (two point five millimeters) is exclusive of surface applied glass bead by road marking machine as per IRC 35. The finished surface to be level, uniform and free from streaks and holes as per MORTH technical specification clause 803 and as directed by the Engineer-in-charge including carriage of material within all leads, lifts, height and other incidentals. The rate inclusive of octroi, royalty, Malkana, toll tax, sale tax or other taxes imposed by the Government and rectifying defects noticed within two years as per clause 35 (III) of standard bidding document.	280.00		Square metre	Per square metre	
Total :-						

Executive Engineer,
H.P.P.W.D., Division,
Panda at Nagrota Bagwan.

SCHEDULE OF QUANTITY

ESTIMATED COST: - R\$. 309360.00
EARNEST MONEY: - R\$. 6200.00
TIME LIMIT: TWO MONTHS

NAME OF WORK: - Special repair to central Animal House in Dr. RPGMC at Tanda In Dist. Kangra (H.P.).

SUB-HEAD: - Dismantling flooring, repair of plaster, providing & fixing glass panes and aluminium work etc;

S. No.	Description of items	Quantity	Rate		Unit	Amount
			In fig	In words		
1	2	3	4	5	6	7
1	Dismantling doors, windows and clerestory windows, ventilators etc. (wood or steel) shutters including chowkhatas, architraves, hold fasts and other attachments etc; complete and stacking them upto any not exceeding 3 sq.m in (Three square metre) area including entire carriage of materials within all leads lifts and other incidentals and as directed by the Engineer-in-Charge.	6.00 Numbers			Each	
2	Dismantling tiled floors laid in mortar upto floor two level including stacking of serviceable materials and disposal of un-serviceable materials within 20m (Twenty meters) lead (wooden/concrete joists to be measured and paid for separately) for thickness of tiles above 25mm (Twenty five millimeters) and upto 40mm (Forty millimeters) as per directed by the Engineer-in-Charge, including entire carriage of materials within all leads, lifts and other incidentals.	61.88 Square meters			Per square metre	
3	Repair to plaster with cement mortar 1:3 (One cement : Three sand) in patches of 2.50 sqm (Two decimal five zero) square metres upto any thickness including cutting the patches in proper shape and re-plastering the surfacing to the wall including disposal of rubbish to the dumping ground complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	24.48 Square metres			Per square metre	
4	Providing and laying cement concrete 1:3:6 (One cement : Three sand: Six graded stone aggregate 40mm (Forty millimeters) nominal size) including cost of centring and shuttering in foundations and plinth complete as directed by the Engineer-Incharge, including entire carriage of materials within all leads, lifts and other incidentals.	0.29 Cubic meters			Per cubic metre	
5	Supplying and fixing 3.50mm to 4mm (Three point five zero millimeters to Four millimeters) thick Plain Glass panes with putty and nails including removal of broken glass panes wherever necessary complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	10.08 Square metres			Per square metre	
6	Providing and fixing anodised aluminium work for door, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/ panelling C.P. brass/stainless steel screws for doors windows and ventilators and glazed partitions frames. All complete as per architectural drawings complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	82.68 Kilograms			Per kilo-gram	
7	Providing and fixing anodised aluminium work for door, windows, ventilators and partitions with extruded built up standard tubular and other sections of approved make conforming to IS 733 and IS 1285 anodised transparent or dyed to required shade according to IS 1868. (Minimum anodic coating of grade AC 15) fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rustfree, straight, mitred and jointed mechanically where ever required including cleast angle, aluminium, snap beading for glazing/ panelling C.P. brass/stainless steel screws for shutters of doors windows & ventilators including providing and fixing hinges/pivots and making provisions for fixing of fittings where ever required including the cost of PVC/neoprene gaskets as required (fittings and glazing/panelling shall be paid for separately) all complete as per architectural drawings complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	117.00 Kilograms			Per kilo-gram	

8	Providing and fixing 250x16mm (Two hundred fifty into sixteen millimetres) nominal size aluminium tower bolts (berrel type) anodized trans parent or dyed to required shade and colour with screws etc. complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	30 Numbers				Each	
9	Providing and fixing 125mm (One hundred twenty five millimetres) nominal size aluminium tower bolts (berrel type) anodized trans parent or dyed to required shade and colour with screws etc. complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	44 Numbers				Each	
10	Providing and fixing anodized 300x16mm size (Three hundred into sixteen millimetres) nominal size aluminium sliding door bolts anodized transparent or dyed to required colour and shade with necessary screws etc. complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	40 Numbers				Each	
11	Providing and fixing 150x125x27x2.80mm oxidized M.S. presses parliamentary hinges with necessary screws etc complete including entire carriage of materials as per directed by the Engineer-in-charge including entire carriage of materials within all leads, lifts and other incidentals.	80 Numbers				Each	
12	Providing and fixing 12mm (Twelve millimetres) thick prelaminated board both side bwp phenol bonded exterior/interior grade panelled shutters including bright finished/black enamelled iron butt hinges with necessary screws complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	6.60 Square metres				Per square metre	
13	Providing and fixing 300mm (Three hundred millimetres) nominal size bright finished hard drawn hooks and eyes complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	30.00 Numbers				Each	
14	Providing and laying matt finished vetrified tiles 605x605x8mm (Six hundred five into Six hundred five into eight millimeters) thick in grey/coloured or of approved shade in skirting, treads of steps and landing laid on a bed of 12mm (Twelve millimeters) thick cement mortar 1:3 (One cement : three sand) laid over and jointed with neat cement slurry finished with flush pointing in white cement mixed with pigment of required shade to match the shade of tiles complete including entire carriage of materials within all leads, lifts and other incidentals	37.44 Square metres				Per square metre	
15	Providing and fixing 10mm thick anti skid water proof stain and impet resistant heavy duty vetrified tiles Nitco or equivalent 600x600mmx10mm (Six hundred into Six hundred into ten millimeters) manufactured of approved shade and colour in flooring, treads of steps and landings laid over 12mm (Twelve millimeters) thick cement mortar 1:3 (One cement : Three sand) jointed with cement slurry mixed with pigment to match the shade of tiles as required complete and as per direction of Engineer- In-charge, including carriage of materials within all leads, lifts and other incidentals.	12.24 Square metres				Per square metre	
16	Applying Bitla white wall care putty over plaster surface after thoroughly brushing the surface free from mortar drops, dust, loose materials and other foreign matters sand papered smooth to give final matter finish to the surface within all leads, lifts of materials and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	456.07 Square metres				Per square metre	
17	Removing dry or oil bound distemper by washing and scraping and sand papering the wall surface smooth including necessary repairs to scratches complete, within all leads, lifts of materials and other incidentals as per approved drawing, design and as directed by the Engineer-in-Charge.	1520.24 Square metres				Per square metre	
18	Wall painting(one coat)with plastic emulsion paint of approved brand and manufacture on decorated wall surface to give an even shade including thoroughly brushing the surface clean of all dirt grease, loose pieces of scal and sand papered smooth including entire carriage of materials within all leads, lifts and other incidentals.	1520.24 Square metres				Per square metre	

19	Extra over items 18 for every sub sequent coat of wall paint of approved brand and manufacture as directed by the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals	1520.24 Square metres			Per square metre	
20	Painting one coat (excluding priming coat) on previously painted steel and other metal surfaces with enamel paint brushing to give an even shade including cleaning the surface of all dirt, dust and other foreign matter with enamel paint other than white, as directed by the Engineer-Incharge, including entire carriage of materials within all leads lifts and other incidentals.	68.10 Square metres			Per square metre	
21	Extra over items No. 20 for every sub sequent coat of paint with white enamel paint complete as per directed by the Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals	68.10 Square metres			Per square metre	
22	Providing and fixing vitreous China wash down, water closet (European type. W.C. pan) with integral 'P' or 'S' trap including jointing the trap with soil pipe Cera, Jaquar and Hindware in cement mortar 1:1 (One cement : One sand) Angle Indian Universal closet (Seat and over to be measured and paid for separately complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
23	Providing and fixing sand cast iron 100mm (Hundred millimetres) size P or S traps for water closet (squatting pan) including jointing the trap with pan and soil pipe in cement mortar 1:1 (one cement: one sand) complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
24	Providing and fixing plastic seat (Solid/Hollow type) and cover Cera, Jaquar and Hindware for wash down water closet with C.P. Brass hinges and rubber buffers complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
25	Providing and fixing 550x400mm (Five hundred fifty into four hundred millimetres) (vitreous China wash basin with single hole for pillar tap with C.I. or M.S. brackets painted white Cera, Jaquar and Hindware including cutting holes and making good the same but excluding fittings complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Number			Each	
26	Providing and fixing 32mm (Thirty two millimetres) dia C.P. Brass waste for wash basin or sink ISI make complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	10 Numbers			Each	
27	Providing and fixing 600x450mm (Six hundred into Four hundred fifty millimetres) size bevelled edge mirror of superior glass mounted on 6mm thick A.C. Sheet or plywood sheet and fixed to wooden plugs with C.P. Brass screws and washers complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
28	Providing and fixing 32mm (Thirty two millimetres) C.P. Bottle Trap for wash basin and sink complete as directed by the Engineer- Incharge, including carriage of material within all leads, lifts and other incidentals.	4 Numbers			Each	
29	Providing and fixing recessed roll type toilet paper holder complete as directed by the Engineer- Incharge, including carriage of material within all leads, lifts and other incidentals.	2 Numbers			Each	
30	Providing and fixing chromium plated brass toilet paper holder Clarion series (GA/GB Endorsing the green building norm/Green Initiative/Jaguar or equivalent (Heavy duty make ISI marked No-8931 & 8934) including entire carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each	
31	Providing and fixing chromium plated brass soap dish with C.P. brass brackets fixed to wooden cleats with C.P. brass screws Cera, Jaquar and Hindware complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
32	Providing and fixing 15mm (Fifteen millimetres) diameters long nose brass bib tap (Superior or heavy type) Cera, Jaquar and Hindware complete and as per direction of Engineer- Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	

33	Providing and fixing 15mm (Fifteen millimetres) dia long body brass bib tap (Superior or heavy type) Cera, Jaquar and Hindware complete and as per direction of Engineer-Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
34	Providing and fixing 15mm (Fifteen millimetres) C.P. brass angle valve without nuts and pipe Cera, Jaquar and Hindware complete and as per direction of Engineer-Incharge, including carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each	
35	Providing and fixing P.V.C. connection 300x450mm (Three hundred into four hundred fifty millimetres) length with check nut and brass union Cera, Jaquar and Hindware complete and as per direction of Engineer-Incharge, including carriage of materials within all leads, lifts and other incidentals.	14 Numbers			Each	
36	Providing and fixing PTMT Coloured/white high density polyethylene / poly propylene 10.00 ltrs (Ten litres) capacity (full flush) European standard control low level flushing cistern with fittings with a pair of brackets with fittings such as lead valve, syphon, 15mm (Fifteen millimetres) nominal size PVC ball valve with polythene float, with push button, couplings for connections with inlet, outlet and over flow pipe, 40mm (Forty millimetres) dia C.P. flush bend including cutting holes in walls and making good the same and connecting the flush bend with cistern and closet (overflow pipe to be measured and paid for separately) complete and as per direction of Engineer-Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Number			Each	
37	Providing and fixing PTMT jet spray of approved quality and colour with one metre tube complete and as per direction of Engineer-Incharge, including carriage of materials within all leads, lifts and other incidentals.	6 Numbers			Each	
38	Providing and fixing to wall ceiling and floor galvanised mild steel tubes (Medium grade) Jindal and Tata approved quality tube fitting and clamps including making good the wall, ceiling and floor complete and as per direction of Engineer-Incharge, including carriage of materials within all leads, lifts and other incidentals.					
i)	15mm (Fifteen millimetres) nominal bore	27.00 Running metres			Per running metre	
ii)	20mm (Twenty millimetres) nominal bore	15.45 Running metres			Per running metre	
39	Providing and fixing PTMT concealed stop cock with flange of approved quality and colour complete including entire carriage of materials within all leads lifts and other incidentals.	6 Numbers			Each	
40	Providing and fixing 600x120mm (Six hundred twenty millimetres) glass shelf with C.P. brass. (Heavy duty makes) brackets and guard rail complete fixed to wooden plugs with C.P. brass screws complete and as per direction of Engineer-Incharge, including carriage of materials within all leads, lifts and other incidentals.	4 Numbers			Each	
41	Providing and fixing PTMT pillar cock fancy of approved quality and colour 15 (Fifteen) Cera, Jaquar and Hindware complete and as per direction of Engineer-Incharge, including carriage of materials within all leads, lifts and other incidentals.	1 Number			Each	
42	Providing and fixing 600x20mm (Six hundred into Twenty millimetres) size C.P. Brass Towel rail Cera, Jaquar and Hindware complete with C.P. Brass brackets fixed to wooden plugs with C.P. Brass screws complete and as per direction of Engineer-Incharge, including carriage of materials within all leads, lifts and other incidentals.	2 Numbers			Each	
TOTAL :-						

Executive Engineer,
H.P.W.D Division,
Tanda at Nagrota Bagwan.