



**OFFICE OF THE EXECUTIVE ENGINEER**

**B & R DIVISION, HPPWD, SOLAN-173212**

TEL.NO:- 01792-223811 E-MAIL:- ee-sol-hp@nic.com

No.PW-SD/CB-Tender/-22-23- 8522-31

Dated:- 07/09/2022


To

✓ The Executive Engineer (IT Cell),  
Nigam Vihar, Nirman Bhawan,  
HPPWD, Shimla-2,  
Email ID:-cc-pwd-hp@nic.in

**Subject: - Publication of e-Tender Notice.**

Enclosed please find herewith the Tender Notice of the works as given in the Notice inviting Tender for uploading on departmental website as per Notification Pr. Secy(PW) to the Govt. of HP letter NO.PBW(B)A(3)1/2020 dated: 19<sup>th</sup> June, 2021 as the work mentioned in the tender notice are urgent in nature and in public interest.

Encl: - Schedule of quantities.

  
Executive Engineer,  
B&R Division,  
HP.PWD, Solan.

Copy along with tender notice forwarded for information and necessary action please to:-

1. The Chief Engineer (S.Z), HP.PWD, Nirman Bhawan, Nigam Vihar, Shimla.
2. The Superintending Engineer, 3<sup>rd</sup> HP.PWD, Solan.
3. The Drawing Branch & Accounts Branch of this office.
4. Notice Board.

✓  
Executive Engineer,  
B&R Division,  
HP.PWD, Solan.

**HIMACHAL PRADESH  
PUBLIC WORKS DEPARTMENT  
NOTICE INVITING TENDER**

Sealed item rate tenders are hereby invited on Form No.6 &8 by the Executive Engineer, Solan B&R Division, H.P. PWD. Solan (H.P.) on behalf of the Governor of Himachal Pradesh for the following works from the registered contractors of appropriate class enlisted in H.P.PWD, whose registrations stood renewed as per revised instructions and also registered dealers under the Himachal Pradesh, General Sales Tax Act.1968. The important dates of tender are as under:

Sr.No.	Tender Schedule	Dates	Time
1	The last date for receipt of application for tender form.	17.09.2022	Upto 4.00 P.M.
2	The last date sale of tender forms.	19.09.2022	Upto 4.00 P.M.
3	The date for receipt of tender forms.	19.09.2022	Upto 10.30 A.M.
4	The date of opening of tender	20.09.2022	At 11.00 A.M.

The tender shall be received upto **10.30 A.M. on 20.09.2022** and will be opened on the same day at **11.00 AM** in the presence of office against cash payment as shown below (Non-refundable) during the working hours. The earnest money in the shape of National Saving Certificate, FDRs/Account/Saving account in any of the Post Office/ Nationalized Bank in H.P. duly intending contractors or their authorized representatives who may like to be present. The tender form can be had from this pledged in favour of the Executive Engineer, (B&R) Division, H.P.PWD, Solan must accompany with each tender, conditional tenders and the tenders received without earnest money will simultaneously be rejected. The offer of the tender shall be kept open for 120 days. The Executive Engineer reserves the right to reject the tender without assigning any reason.

Sr. No	Name of work	Estimated Cost. (Rs.)	Earnest Money (Rs)	Time	Cost of Form
1.	Annual repair and maintenance of Solan Rajgarh bye pass road km 0/0 to 5/410 under NABARD (SH: Providing and applying 2.5 mm thick road marking strips)(Retro reflective in km 2/0 to 3/500	3,73,524/-	7,500/-	Two Months	Rs.350/-
2.	A/R & M/O various roads under Solan Sub-Division (SH: Providing and laying hot applied thermoplastic compound, PVC speed breakers)	4,92,760/-	9,900/-	One Month	Rs.350/-
3.	Restoration of rain damages on Chambaghat Kandaghat via Salumna km 0/0 to 1/0 (SH: C/o PCC R/wall at RD 3/200 to 3/213)	4,24,781/-	9,500/-	One Month	Rs.350/-
4.	A/R & M/O Parwanoo Kasauli Dharampur Subathu Solan road km 57/320 to 65/320 (SH: Hiring JCB/loader cum excavator for removal of debris/ slips & clearance of drain)	3,76,200/-	7,550/-	Three Months	Rs.350/-
5.	A/R & M/O Solan Jaunaji Dharja road km 0/0 to 5/0 (SH: Hiring JCB/loader cum excavator for removal of debris/ slips & clearance of drain)	3,42,000/-	6,850/-	Three Months	Rs.350/-
6.	A/R & M/O Circuit House at Chambaghat Solan (SH: Providing wall tiles in meeting hall, roofing over corridor of dormitory and sewerage pipes fittings etc.)	1,98,906/-	4,000/-	One Month	Rs.350/-

7.	Annual repair and maintenance of Parwanoo Kasauli Dharmpur Subathu Solan, Solan Kumarhatti via Barog and Berti Manlog road (SH: Providing and fixing of sign boards & speed breakers)	4,98,357/-	10,000/-	One Month	Rs.350/-
8.	Annual repair and maintenance of various roads under Kandaghat Sub-Division (SH: Providing and fixing informatory sign board and village board etc.)	2,48,375/-	5,000/-	One Month	Rs.350/-
9.	Annual repair and maintenance of Solan Jaunaji Dharja road km 0/0 to 5/0 (SH: C/o RCC 900mm dia meter Hume pipe culvert at RD 1/420 to 1/460)	2,41,606/-	4,850/-	One Month	Rs.350/-
10.	Construction of rain shelter on Chail Gaura road at Gheva village under road way side amenities	4,93,088/-	10,000/-	Two Months	Rs.350/-

**TERMS & CONDITIONS:-**

1. The tender form will not be issued to those contractors whose performance has been found unsatisfactory
2. The contractor should have submitted the proof of registration, EPF No. & GST No. at the time of tender application. Failure should not be issued tender forms. Application without earnest money will not be entertained.
3. Executive Engineer reserves the right to reject or cancel any or all the tenders without assigning any reasons.

# **SCHEDULE OF QUANTITY**

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
					Estimated Cost: -	373524.00
					Earnest Money: -	7500.00
					Time Limit: -	Two Months

Job No. :-

**Name of work: -Annual repair and maintenance of Solan Rajgarh Bye Pass road Km. 0/0 to 5/410 under Nabard (SH:- Providing & applying 2.5mm thickretro reflective road marking strips in Km. 2/0 to 3/500)**

4	Providing and applying 2.5 mm thick and 0.10 (point one zero) meter wide road marking strips (retro- reflective) of specified shade/ colour using hot thermoplastic material by fully/ semi automatic thermoplastic paint applicator machine fitted with profile shoe, glass beads dispenser @ 250 gms ( two fifty grammes) per square meter area, thickness of 2.5 mm (two point five millimeters) is exclusive of surface applied glass beads as per IRC:35 (thirty five), propane tank heater and profile shoe heater, driven by experienced operator on road surface including cost of material, labour, T&P, cleaning the road surface of all dirt, seals, oil, grease and foreign material etc. The finished surface to be level, uniform and free from streaks and holes complete as per direction of Engineer-in-charge and accordance with technical specifications including carriage of all labour, equipments and materials to various location through all modes of transportation in all lead, lift and incidental charges	598.500 m <sup>2</sup>	Per square meter			
<b>Total :-</b>						

**Total in Words**

T/S No. 187 for the 2020-21.  
Sr. No. 267 for the year 2021-22.

  
 Executive Engineer  
 B&R Division, HP.PWD. Solan.

# SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In Figures Words	AMOUNT Rs.
				Estimated Cost: -	492760.00
				Earnest Money: -	9900.00
				Time limit: -	One month

Name of work :- A/R & M/O various roads under Solan Sub Division (SH:- Providing and laying hot applied thermoplastic compound, PVC

Speed breaker)

1	Providing and laying of hot applied thermoplastic compound 2.5 mm (two point five millimeters) thick and 0.15 (Zero point one five ) meter wide strip in Edge line including reflectorising glass beads @ 250 gms ( two fifty grammes) per square meter area, thickness of 2.5 mm (two point five millimeters) is exclusive of surface applied glass beads as per IRC:35 (thirty five) in accordance with Ministry of Road Transport Specification (Latest revision) and IRC Code. The finished surface to be level, uniform and free from streaks and holes including carriage of all labour, equipments and materials to various location through all modes of transportation in all leads, lifts and all incidental charges.	534.000	m2	Per Square Meter	
2	Providing and Fixing plastic rumble / parking studs of approved brand made of ABS with min. four Nos. acrylic reflectors (two on each side) dimension of which should not be less than 250*150*25mm and weight not less than 500 gm. as per ASTM 4280 or equivalent fixed at site with suitable epoxy and nail two nos. as per HP.PWD. Specification including carriage of all labour equipment and material to various locations through all modes of transportation in all lead, lift and other incidental charges.	56.000	m	Per Running Metre	
Total :-					

Total in Words

T/S No. 147 for the 2022-23.

Sr. No. 188 for the year 2022-23.

  
Executive Engineer  
B&R Division, HP.PWD. Solan.



**SCHEDULE OF QUANTITY**

Sl. No.	Description of work	Qty.	Unit	RATE IN		AMOUNT
				Figures	Words	

Job No. :-

Name of work: -Restoration of rainedamages on Chambaghat Kandaghat road via Saluma km 0/0 to 1/0 (SH:- C/O PCC R/Wall at RD 3/200 to 3/213)

Estimated Cost: - 424781.00

Earnest Money: - 9500.00

Time limit: - One month

1	Earthwork in excavation for all type of road structures such as retaining wall, breast wall, culvert, drain and parapet etc. in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rock chesling / wedging out rocks (where blasting is prohibited). Dimensions and other particulars as per drawing and Technical Specification Clause 305.1(Three hundred Five point One) including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and its disposal including dressing of sides and bottom and backfilling in trenches with excavated suitable material, trimming, filling of unevenness blindages and finishing of the road to specified dimensions. All work of excavation by blasting shall be carried out by taking all necessary precautions against soil eruptions, damage to hill side, water pollutions etc., and to protect stability of hill side rock. Stacking of materials useful for construction at suitable sites and safe disposal of unserviceable excavated materials in specified manners to dumping site (to be arranged by the contractor) or as directed by the Engineer-in-Charge. Any loss to the public or private property during the course of execution shall be the sole responsibility of the contractor, which shall have to be duly compensated by him at his own cost of all cases.	72.410 m <sup>3</sup>	Per Cubic Meter			
2	Providing and laying Plain Cement Concrete nominal mix 1:6:12 (one cement isto six sand isto twelve graded stone aggregate 40mm (fourty millimeters) nominal size) Mechanically mixed, vibrated and curing complete in open foundations and plinths for all type of structure including the cost of form work as per drawing and MORD Technical Specification clause 802, 803, 1202 and 1203 (Eight hundred two, eight hundred three, one thousand two hundred two and one thousand two hundred three) or as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidental charges.	5.590 m <sup>3</sup>	Per Cubic Meter			
3	Providing and laying Plain Cement Concrete nominal mix 1:4:8 (one cement isto four sand isto eight graded stone aggregate 25mm (twenty five millimeters) nominal size) Mechanically mixed and vibrated for plain/reinforced concrete and curing complete in open foundations and plinths for all type of structure including the cost of form work complete as per drawing and MORD Technical Specification clause 802, 803, 1202 and 1203 (Eight hundred two, eight hundred three, one thousand two hundred two and one thousand two hundred three) or as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.	85.280 m <sup>3</sup>	Per Cubic Meter			

# SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
4	Providing weep holes in brick masonry/stone masonry/plain reinforced concrete abutment, wing wall, return wall with 100mm (one hundred millimeter) dia PVC pipe extending through the full width of the structure with slope of 1:20 (One verticle iso twenty horizontal) towards drawing face complete as per drawing and technical specification clause 614, 709, 1204.3.7/six hundred fourteen, seven hundred nine, one thousand two hundred four point three point seven) or as directed by the Engineer-in-Charge including carriage of materials with in all lead and lift and other incidentals.	30,000 No	Each			
5	Backfilling behind abutment, wing wall and return wall, breast walls, retaining walls and parapets up to all heights, depths and levels complete as per HP.PWD. Specification clause 1204.3.8 (one thousand two hundred four point three point eight) Granular material, including carriage of all labour equipment and material to various locations through all modes of transportation in all lead and lift and all incidental charges.	7,800 m <sup>3</sup>	Per cubic meter			
<b>Total :-</b>						

Total in Words

T/S No. 186 for the 2022-23.  
Sr. No. 224 for the year 2022-23.

  
B&R Division Engineer  
B&R Division, HP PWD, Solan

**SCHEDULE OF QUANTITY**

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
	<b>Job No.</b>				Estimated Cost: -	376200.00
					Earnest Money: -	7550.00
					Time Limit: -	Three Months
<b>Name of work :- A/R &amp; M/O Parwanoo Kasuali Dharampur Subathu Solan road km 57/320 to 65/320 (SH :- Hiring of JCB / loader cum-excavator for Removal of debris / slips &amp; clearance of drain )</b>						
	<b>Hiring of JCB / loader cum-excavator.</b>	<b>396.00 hr</b>	<b>Per hour.</b>			
<b>Terms and Conditions :-</b> Hire charges should include expenses on account of establishment, POL Major and minor repairs /over hauling and replacement of tyres and batteries if reqd. Hire charges should also include insurance of machinery/vehicles and establishment and the department shall not be responsible for any fatal/non fatal accidents. Hire charges should also include all local or out side taxes including of road tax entry tax and other taxes if any. Hire charges shall be payable only on signing of contract agreement and bringing the machinery/vehicles to the site as per the direction of Engineer-in-Charge. Minimum work as per PWD norms must be executed by the machinery hired. The bucket and loader capacity of JCB cum-excavator should not be less than 0.24 cum and one cum. Respectively and BHP is 72. The machinery should be of latest Model . Quantity of excavated/removed material should not be less than 28 cum/per hour						
(a)						
(b)						
(c)						
(d)						
(e)						
(f)						
(g)						
<b>Total in Words</b>				<b>Total :-</b>		

Sr. No.213 for the year 2022-23.

  
 Executive Engineer  
 B&R Division, HP PWD Solan



**SCHEDULE OF QUANTITY**

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT
				Figures	Words	
	Job No.					Rs.
				Estimated Cost: -		342000.00
				Earnest Money: -		6850.00
				Time Limit: -		Three Months
<b>Name of work :- A/R &amp; M/O Solan Jaunaji Dharja road km 0/0 to 5/0 (SH :- Hiring of JCB / loader cum-excavator for Removal of debris / slips &amp; clearance of drain )</b>						
	<b>Hiring of JCB / loader cum-excavator.</b>	<b>360.00</b>	<b>hr</b>	Per hour.		
<b>Terms and Conditions :-</b>						
(a)	Hire charges should include expenses on account of establishment, POL Major and minor repairs /over hauling and replacement of tyres and batteries if reqd.					
(b)	Hire charges should also include insurance of machinery/vehicles and establishment and the department shall not be responsible for any fatal/non fatal accidents.					
(c)	Hire charges should also include all local or out side taxes including of road tax entry tax and other taxes if any.					
(d)	Hire charges shall be payable only on signing of contract agreement and bringing the machinery/vehicles to the site as per the direction of Engineer-in-Charge.					
(e)	Minimum work as per PWD norms must be executed by the machinery hired.					
(f)	The bucket and loader capacity of JCB cum-excavator should not be less than 0.24 cum and one cum. Respectively and BHP is 72. The machinery should be of latest Model .					
(g)	Quantity of excavated/removed material should not be less than 28 cum/per hour					
<b>Total in Words</b>				<b>Total :-</b>		

Sr. No.214 for the year 2022-23.

  
 Executive Engineer  
 B&R Division HP PWD Solan.

# SCHEDULE OF QUANTITY

## SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
					Estimated Cost: -	198906.00
					Earnest Money: -	4000.00
					Time Limit: -	One Month

Job No.

Name of work: - A/R&M/O Circuit House at Chambaghat (Solan) (SH :- Providing wall tiles in meeting hall, roofing over corridor of dormitory and sewerage pipes fitting etc.)

1	Dismantling old plaster or skirting raking out joints and cleaning the surface	69.310 m <sup>2</sup>	Per Square Meter.			
2	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete as directed by the Engineer-in-Charge including carriage of materials with in all lead, lift and other incidentals.	69.310 m <sup>2</sup>	Per Square Meter.			
3	Providing & fixing 0.63 mm thick with zinc coating not less than 275 gm/ m <sup>2</sup> corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required as directed by the Engineer-in-Charge including carriage of materials with in all lead, lift and other incidentals.	34.680 m <sup>2</sup>	Per Square Meter.			
4	Raj nagar plain white marble/ Udaipur green marble/ Zebra black marble/ Stone tile (polished) work for wall lining over 12 mm thick bed of cement mortar 1:3 (1 cement : 3 coarse sand) and cement slurry @ 3.3 kg/sqm including pointing in white cement complete as directed by the Engineer-in-Charge including carriage of materials with in all lead, lift and other incidentals.	16.000 m <sup>2</sup>	Per Square Meter.			
5	Renewing Sal wood battens in roofs, including making good the holes in wall and painting with oil type wood preservative of approved brand and manufacture complete, including removal of rubbish to the dumping ground, all complete as per direction of Engineer-in-Charge.	0.040 m <sup>3</sup>	Per Cubic Meter.			

# **SCHEDULE OF QUANTITY**

Sl. No.	Description of work	Qty.	Unit	RATE IN		AMOUNT Rs.
				Figures	Words	
6	Providing and fixing 110 mm diameter wall face high pressure PVC finolex type B spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including all lead, lift, other incidental charges and as per direction of engineer in charge.	19,000 m	Per Rmt.			
7	Providing and fixing 110mm dia PVC ( Finolex ) collars including fixing with approved adhesive etc. complete including all lead, lift, other incidental charges and as per direction of engineer in charge.	11,000 No	Each			
8	Providing and fixing 110mm dia PVC ( Finolex ) clamps of approved design with steel screws and rawal plugs etc. Complete including all lead, lift, other incidental charges and as per direction of engineer in charge.	12,000 No	Each			
9	Providing and fixing 110 mm dia PVC ( Finolex ) Plain bend including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts	5,000 No	Each			
10	Providing and fixing 110 mm dia PVC ( Finolex ) Plain Tee including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts	3,000 No	Each			
11	Providing and fixing G.I. Pipes complete with G.I. Fittings and clamps. Concealed work, including cutting chases and making good the walls etc. including carriage of materials within all leads and lift.	13,600 m	Per running metre			
11.1	15 mm dia nominal bore	15,200 m	Per running metre			
11.2	20 mm dia nominal bore					
12	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe etc. complete including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts, including all incidental charges	10.00 No	Each			
12.1	15mm nominal bore (fifteen millimeter)	10.00 No	Each			
12.2	20mm nominal bore (twenty millimeter)	6,000 No	Each			
13	Providing and fixing chromium plated Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge including carriage of materials within all leads and lift.	2,000 No	Each			
14	Providing and fixing 15 mm nominal bore brass stop cock ( concealed ) of standard design and of approved quality including carriage of materials within all leads and lift.					



SCHEDULE OF QUANTITY					AMOUNT Rs.	
Sl. No.	Description of work	Qty.	Unit	RATE In		
				Figures	Words	
15	Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications painting wood work with deluxe multi surface paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture as per HP.PWD. Specification including carriage of all modes of transportation through all leads and lifts, including all incidental charges.	240.450 m2	Per Square Meter.			
16	Polishing on new wood work with ready mixed wax polish of approved brand and manufacture including carriage of all labour equipment and material to various locations through all modes of transportation in all leads and lifts, including all incidental charges.	14.440 m2	Per Square Meter.			
17	Painting Old work (one or more coats) on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade including carriage of all labour equipment and material to various locations through all modes of transportation in all leads and lifts, including all incidental charges.	45.000 m2	Per Square Meter.			
18	Providing and installing Mono block Electric pump IHP single phase of Kirtloskar make or equivalent i/c fixing complete as per HP.PWD. specification including carriage of all labour equipment and material to various locations through all modes of transportation in all leads and lifts, including all incidental charges.	2.000 No	Each			
19	Providing and laying reinforced cement concrete 1:1.5:3 (one cement isto one point five Sand isto three graded stone aggregate 20 mm (twenty millimeters) nominal size in walls i.e. in chimneys & shafts etc. mechanically mixed, vibrated and curing complete excluding cost of form work as per H.P. PWD. specification including carriage of all labour, equipments and materials to various locations through all modes of transportation in all leads and lifts, including all incidental charges.	1.020 m2	Per Cubic metre			
Total :-						
Total in Words						

T/S No. 183 for the 2022-23  
Sr. No. 207 for the year 2022-23.

  
Executive Engineer,  
Solan Division H.P.P.W.D.,  
SOLAN

**SCHEDULE OF QUANTITY**

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT
				Figures	Words	
					Estimated Cost: -	241606.00
					Earnest Money: -	4850.00
					Time Limit: -	One Month

**Job No.**

**Name of work :- Annual repair and maintenance of Solan Jaunaji Dharja road km 0/0 to 5/0 (SH :- C/O RCC 900mm dia meter Hume Pipe Culvert at RD.1/420 to 1/460)**

1	Earthwork in excavation for all type of roads, structures such as retaining wall, breast wall, culvert, drain and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rock chertling / wedging out rocks (where blasting is prohibited) as per drawing and technical specification true to lines and grades. Dimensions and other particulars as per drawing and Technical Specification Clause - 1104 (One one zero four) including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and disposal upto all lead and lifts including dressing of sides and bottom and backfilling in trenches with excavated suitable material. All work of excavation by blasting shall be carried out by taking all necessary precautions against soil erosions, damage to hill side & any structure near about, water pollutions etc., and to protect stability of hill side rock. Stacking of materials useful for construction at suitable sites and safe disposal of unserviceable excavated materials in specified manners to dumping site to be arranged by the contractor, trimming, filling of unevenness blindages and finishing of the road to specified dimensions or as directed by the Engineer-in-Charge. Any loss to the public or private property during the course of execution shall be the sole responsibility of the contractor, which shall have to be duly compensated by him at his own cost of all cases.	99,100 m <sup>3</sup>	Per Cubic Meter.		
2	Providing and laying Plain Cement Concrete nominal mix 1:6:12 (one cement isto six sand isto twelve graded stone aggregate 40mm (fourty milimeters) nominal size) Mechanically mixed, vibrated and curing complete in open foundations and plinths for all type of structure including the cost of form work complete as per drawing and MORD Technical Specification clause 802, 803, 1202 and 1203 (Eight hundred two, eight hundred three, one thousand two hundred two and one thousand two hundred three) or as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidental charges.	3,470 m <sup>3</sup>	Per Cubic Meter		



**SCHEDULE OF QUANTITY**

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
3	Providing and laying Plain Cement Concrete nominal mix 1:4:8 (one cement isto four sand isto eight graded stone aggregate 25mm (twenty five millimeters) nominal size) Mechanically mixed and vibrated for plain/reinforced concrete and curing complete in open foundations and plinths for all type of structure including the cost of form work complete as per drawing and MORD Technical Specification clause 802, 803, 1202 and 1203 (Eight hundred two, eight hundred three, one thousand two hundred two and one thousand two hundred three) or as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.	4.050 m <sup>3</sup>	Per Cubic Meter			
4	Providing and laying concrete for P.C.C. grade M-10 (ten) nominal mix 1:3:6 (one cement isto three sand isto six graded crushed stone aggregate 20 (twenty ) millimetres nominal size ) mechanically mixed and vibrated in open foundations including form work and curing complete as per drawings and MORD technical specifications clause 802, 803, 1202 and 1203 (eight hundred two, eight hundred three, one thousand two hundred two and one thousand two hundred three) including carriage of all labour, equipments and materials to various location through all modes of transportation in all leads lifts and all incidental charges	19.280 m <sup>3</sup>	Per Cubic Meter			
5	Providing and laying flooring of <b>Rubble stone</b> laid in cement mortar 1:3 (one cement isto three sand) laid over cement concrete bedding complete as per drawing and MORD technical specification Clause 1303 ( one three zero three) including carriage of all labour equipment and material to various location through all modes of transportation in all leads lifts and all incidental charges.	1.880 m <sup>3</sup>	Per Cubic Meter			
6	Providing and laying ( to level or slope) reinforced cement concrete pipe NP2- 900 mm (nine hundred millimeter) diameter for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 (one cement isto two sand) but excluding excavation, protection work, back filling, concrete and masonry work in head walls and parapets as per technical specification clause 1108(one thousand one hundred eight), or as directed by the Engineer-in-Charge including carriage of materials with in all leads and lifts and other incidentals.	15.000 m	Per Running Meter			

# SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
7	Backfilling of Granular material behind abutment, wing wall and return wall, breast walls, retaining walls and parapets up to all heights, depths and levels complete as per drawings and MORD technical specification clause 1204.3.8 (one thousand two hundred four point three point eight), including carriage of all labour equipment and materials to various location of site through all modes of transportations in all leads lifts and all incidental charges.	6.140 m3	Per cubic meter			
<b>Total :-</b>						
<b>Total in Words</b>						

T/S No.216 for the 2022-23  
Sr. No. 248 for the year 2022-23.

  
Executive Engineer  
B&R Division HP PWD, Solan.

# SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT
				Figures	Words	
					Estimated Cost :-	Rs. 498357.00
					Earnest Money :-	100000.00
					Time limit :-	One Month

Job No. :-

Name of Work :- Annual repair and maintenance of Parwanoo Kasauli Dharampur Subathu Solan , Solan Kumarhatti via Barog and Berti manlog road (SH:- Providing and Fixing of Sign Board & Speed Breakers )

1	Providing and Fixing of PVC speed Breakers of size 500x125x25mm made with virgin plastic with 2 reflective lens on both sides & provision for fixing with nails also , yellow and black colour will be fixed alternately as per HP.PWD. Specification including carriage of all labour equipment and material to various locations through all modes of transportation in all leads and lifts, including all incidental charges.	189.000 m	Per Running meters			
2	Providing and installing Mandatory/ Regulatory sign boards of 600 mm circular. Prohibited sign, No Parking and No stopping sign, speed limit, and vehicle control sign, restriction ends sign, and compulsory direction control and other signs etc.	30.000 No	Each			
3	Providing and fixing of typical PMGSY informatory sign board with Logo as per MORD specifications and drawing. Three MS Plates of 16 mm(one point six millimeter thick, top and 100mm(hundred millimeter ) middle plate duly welded with MS flat iron 25mm x 5mm (twenty five x five millimeter) size on back on edges. The lower plate will be welded with MS angle iron frame of 25mm x 25mm x 5mm (twenty five x five millimeter). The angle iron frame of the lower most plate and flat iron frame of middle plate will be welded to 2 nos (two nos). 75mm x 75 mm (seventy five x seventy five millimeter) of 12 SWG (twelve SWG) sheet tubes posts duly embedded in cement concrete M-15 grade blocks of 450mm x 450mm x 600mm (four hundred fifty x six hundred millimeter), 600mm (six millimeter) below ground level. The top most diamond plate will be welded to middle plate by 47mm x 47mm (forty seven x forty seven ) of 12 SWG (twelve SWG) steel plate tube. All M.S. will be stove enamelled on both sides. Lettering and printing arrows, border etc. will be painted with ready mixed synthetic enamel paint of superior quality in required shade and colour. All sections of framed posts and steel tube will be painted with primer and two coats of epoxy paint as per drawing Clause 1701 and Annexure 1700.1 including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts, including all incidental charges and as per direction of engineer in charge.	1.000 No	Each			
Total :-						

Total in Words

T/S No. 184 for the 2022-23

Sr. No. 216 for the year 2022-23

Executive Engineer  
B&R Division, HP PWD Solan.

SCHEDULE OF QUANTITY					
Sl. No.	Description of work	Qty.	Unit	RATE In Figures Words	AMOUNT Rs.
	Job No. :-			Estimated Cost: -	248375.00
				Earnest Money: -	5000.00
				Time limit: -	One month
	Name of work: - Annual repair and maintenance of various road under Kandaghat Sub- Division SH:- Providing and fixing board and village board etc.)				
1	Manufacturing, supplying and fixing retro reflective sign boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity encapsulated type heat activated retro reflective sheeting conforming to type - IV of ASTM-D 4956-01 in blue and silver white or other colour combination including subject matter, message (bi-lingual), symbols and borders etc. as per IRC : 67:2001, pasted on substrate by an adhesive backing which shall be activated by applying heat and pressure conforming to class -2 of ASTM-D-4956-01 and fixing the same with suitable sized aluminium alloy rivets @ 20 cm c/c to back support frame of M.S. angle iron of size 25x25x3 mm (twenty five into twenty five into three millimeter) along with theft resistant measures, mounted and fixed with 2 Nos. M.S. angles of size 35x35x5 mm (thirty five into thirty five into five millimeter) to a vertical post made up to M.S. Tee section ISMT 50x50x6 mm (fifty into fifty into six millimeter) welded with base plate of size 100x100x5 mm (hundred into hundred into five millimeter) at the bottom end and including making holes in pipes, angles flats, providing & fixing M.S. message plate of required size, steel work to be painted with two or more coats of synthetic enamel paint of yellow primer (vertical MS-Tee support to be primed with coat of zinc chromate aluminium sheet to be painted with two or more coats of black and white colours). Backside of aluminium sheet to be painted with two or more coats of epoxy paint over and including appropriate priming coat including all leads and lifts etc. complete as per drawing, specification and direction of Engineer-in-charge	35,000	No	Each	



# SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
2	Manufacturing, supplying and fixing Overhead informative road signage retro reflective overhead signage boards made up of 2 mm thick aluminium sheet, face to be fully covered with high intensity and encapsulated lens type heat activated retro reflective sheeting conforming to type - III of ASTM-D- 4956-01 as approved by Engineer-in-charge, letters, borders etc. as per IRC : 67-2001 in silver white with blue colour back ground and with high intensity grade, pasted on substrate by pressure sensitive adhesive by applying pressure conforming to class II of ASTM-D- 4956-01 and fixing the same to the plate of structural frame work by means of suitable sized aluminium alloys, rivets or bolts & nuts @ 300 mm centre to centre all along the periphery as well as in two vertical rows along with theft resistant measures, including the cost of painting with two or more coats of epoxy paint in grey colour on the back side of aluminium sheet including appropriate priming coat. The rate includes the cost of rounding off the corners, lowering down the structural frame work from the gantry, fixing and erecting the same in position all complete as per drawings. specification and direction of the engineer-in- charge (Structural frame work including M.S. plate to be provided separately. Rectangular area of the sheet only shall be measured for payment).	20.250 m2	Per Square Meter			
<b>Total :-</b>						
<b>Total in Words</b>						

T/S No. 196 for the 2022-23.  
Sr. No. 233 for the year 2022-23.

  
Executive Engineer  
B&R Division, HP.PWD, Solan.



# SCHEDULE OF QUANTITY

SCHEDULE OF QUANTITY						
Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
Job No. :-						
Name of Work :-Construction of Rain Shelter on Chail Gaura road at Cheva Village Under road way side Amenities.						
1	Earthwork in excavation for all type of road structures such as retaining wall, breast wall, culvert, drain and parapets etc. in all type of classification of soil comprising of ordinary soil, ordinary rock, hard rock chiesling / wedging out rocks (where blasting is prohibited). Dimesions and other particulars as per drawing and Technical Specification Clause 305.1(Three hundred Five point One) including setting out, construction of shoring and bracing, removal of stumps and other deleterious material and its disposal including dressing of sides and bottom and backfilling in trenches with excavated suitable material. trimming, filling of unevenness blindages and finishing of the road to specified dimensions. All work of excavation by blasting shall be carried out by taking all necessary precautions against soil erosions, damage to hill side, water pollutions etc., and to protect stability of hill side rock. Stacking of materials useful for construction at suitable sites and safe disposal of unserviceable excavated materials in specified manners to dumping site (to be arranged by the contractor) or as directed by the Engineer-in-Charge. Any loss to the public or private property during the course of execution shall be the sole responsibility of the contractor, which shall have to be duly compensated by him at his own cost of all	26.15 m3	Per cubic Meter			
2	Filling in plinth with coarse sand under floor including, watering, ramming, consolidating and dressing complete as per HP.PWD specification including carriage of all labour equipments and materials to various location through all modes of transportation in all leads and lifts, including all incidental charges.	1.500 m3	Per cubic Meter			
3	Random rubble masonry/polygonal rubble masonry (uncoursed/brought to courses) with hard stone of approved quality in foundation and plinth including leveling up with cement concrete 1:6:12 (1cement:6sand:12 graded stone agg. 20mm (twenty millimeters) nominal size) in cement mortar 1:6 (1cement :6sand) as per H.P.PWD. Specification including carriage of all labour equipment and material to various locations through all modes of transportation in all leads and lifts, including all incidental charges.	7.23 m3	Per cubic Meter			

SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
4	Providing and laying cement concrete 1:6:12 [One cement isto Six sand isto Twelve graded crushed hard stone aggregate 40 (Forty) millimeters nominal size] mechanically mixed and curing complete, excluding cost of form work in foundation and plinth, as per H.P.PWD. Specification including carriage of all labour, equipments and materials to various locations through all modes of transportation in all leads and lifts, including all incidental charges.	2.840 m3	Per cubic meter.			
5	Providing and laying cement concrete 1:4:8 [ One cement isto Four sand isto Eight graded hard stone aggregate 40 (Forty) millimeters nominal size] mechanically mixed, vibrated and curing complete, excluding cost of form work in <b>foundation and plinth</b> , as per H.P. PWD. Specification, including carriage of all labour, equipments and materials to various locations through all modes of transportation in all leads and lifts, including all incidental charges.	37.03 m3	Per cubic meter.			
6	Providing and fixing 0.60mm thick pre-painted steel sheet in roofing with hot dipped metallic zinc coated sheet with top coat of regular modified polyester(RNP) organic coating of 20 microns over 5 microns primer coating to back coat of polyester of 5 microns over 5 microns primer coating fixing with pre-painted iron J or L hooks, bolts and nuts 6mm diameter with pre-painted limpet and rubber washers complete with all accessories as per H.P.PWD. Specification including carriage of all labour, equipments and materials to various locations through all modes of transportation in all leads and lifts, including all incidental charges.	14.10 m2	Per Square Meter			
7	Providing ridges or hips 60cm (sixty centimeter) over all in plain G.I. sheet fixed with galvanized iron J or L hooks, bolts and nuts 8mm(eight millimeter) dia G.I. limpet and bitumen washers complete 0.63mm (zero point sixty three millimeter) thick sheet, as per H.P.PWD. Specification including carriage of all labour, equipments and materials to various locations through all modes of transportation in all leads and lifts, including all incidental charges.	6.600 m	Per running meter.			

## SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
8	Providing and fixing valley 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. linpet and bitumen washers complete with all accessories as required as per the direction of Engineer in Charges and as per H.P.PWD. Specification including carriage of all labour, equipments and materials to various locations through all modes of transportation in all leads and lifts, including all incidental charges.	5,200 m	Per Running Meter			
9	Providing and fixing 15 cm. wide 45 cm. 0.63 mm thick sheet overall semicircular plain G.I. sheetgutter with iron brackets 40x3mm size bolts and nuts and washers etc. including making necessary connections with rain water pipe complete as per H.P.PWD. Specification including carriage of all labour, equipments and materials to various locations through all modes of transportation in all leads and lifts, including all incidental charges.	17,800 m	Per Running Meter			
10	Steel work welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a In beams joists channels, angles, tee, flats with connecting plates or angle cleats as in main and cross beams, hip and jack rafters, purlins connected to common rafters and the like as per HP.PWD. specification including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts, including all incidental charges and as per direction of engineer in charge.	17,820 Qdt.	Per quintle.			
11	Providing and laying 20mm ( twenty millimeter ) thick granite stone in flooring 20mm (twenty millimeter ) (average) thickness base of cement mortar 1:3 ( one cement isto three sand) laid over and jointed with grey cement slurry mixed with pigment to match the shade of granite stone i/c rubbing and polishing complete as per HPPWD specification including carriage of all equipments and labour to various locations through all modes of transportation in all leads and lifts as per direction of engineer in charge.	10,720 m2	per square meter			
12	Construction of benches for seating (M.R) including carriage of all labour, equipments and materials to various location through all modes of transportation in all leads lifts and all incidental charges	4,000 No.	Each			



SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
13	15mm cement plaster in single coat on fair side of brick/concrete/stone walls for interior plastering upto floor two level including arrises, internal rounded angles, chamfers and/or rounded angles not exceeding 80mm in girth and finished even and smooth <b>Cement Mortar 1:6</b> (1 cement:6 sand) as per HP.PWD. Specification 1990 (One thousand Nine hundred Ninety) Volume-1 (One), including carriage of all labour, equipments and materials to various locations through all modes of transportation in all lead, lift and all incidental charges.	8.720 m <sup>2</sup>	Per square meter.			
14	Wall painting (two coats) with acrylic emulsion paint of approved brand and manufacture for interior grade on undecorated on crete / stone / plastered wall surfaces to give an even shade including t thoroughly brushing the surface free from mortar dropping and other foreign matter and sand papered smooth including applying of putty a required for metling the surface including carriage of materials within all leads and lifts.	8.720 m <sup>2</sup>	Per square metre			
15	Painting two coats (excluding priming coat on new steel and other metal surfaces with Ready mixed paint brushing for use on floors to give an even shade including cleaning the surface of all dirt, dust and other foreign matter and sand papering as required & as per HP.PWD. Specification including carriage of all labour equipment and material to various locations through all modes of transportation in all leads and lifts.	50.100 m <sup>2</sup>	Per square meter.			
16	Providing and fixing on wall face PVC (D-Plast) rain water pipes 75mm (Seventy five millimeters) dia pipe of working pressure not less than 4.5 (Four point Five) kg/sqm. Including filling the joints with approved adhesive complete as per HP.PWD. Specification, including carriage of all labour equipment and material to various locations through all modes of transportation in all leads and lifts, including all incidental charges.	6.200 m	Per Running Meter			
17	Providing and fixing on wall faces PVC (D-Plast) accessories for rain water pipes including filling the joints with approved adhesive complete as per drawing, HP.PWD. specification including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts, including all					
17.1	PVC Plain bend 100 mm (one hundred millimeter)	4.000 No	Each.			

Sub-Division,  
Execution of  
of Engineer-

SCHEDULE OF QUANTITY					
Sl. No.	Description of work	Qty.	Unit	RATE In	
				Figures	Words
17.2	PVC Shoe 100 mm (one hundred millimeter)	4.000	No Each.		
Total in Words		Total:-			

T/S No. 135 for the 2022-22,  
Sr. No. 174 for the year 2022-23.

  
Executive Engineer  
Sub-Division, HP.PWD, Solan.

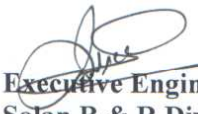


### **Exigency Certificate**

It is certified that the tenders which were invited vide this Office NIQ NO.PW.SD.CB.Tender/2022-23-8522-31 dated: 07<sup>th</sup> September, 2022 are of emergent nature of work & in public interest.

**Dated:-07<sup>th</sup> September, 2022**

**Place:-Solon.**

  
**Executive Engineer,  
Solon B & R Division,  
H.P.P.W.D, Solon.**



# SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE IN		AMOUNT Rs.
				Figures	Words	
6	Providing and fixing 110 mm diameter wall face high pressure PVC finolox type B spigot and socket, waste and ventilating pipes ISI marked including fixing with approved adhesive etc. complete including all lead, lift, other incidental charges and as per direction of engineer in charge.	19,000 m	Per Rmt.			
7	Providing and fixing 110mm dia PVC ( Finolox ) collars including fixing with approved adhesive etc. complete including all lead, lift, other incidental charges and as per direction of engineer in charge.	11,000 No	Each			
8	Providing and fixing 110mm dia PVC ( Finolox ) clamps of approved design with steel screws and rawal plugs etc. Complete including all lead, lift, other incidental charges and as per direction of engineer in charge.	12,000 No	Each			
9	Providing and fixing 110 mm dia PVC ( Finolox ) Plain bend including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts	5,000 No	Each			
10	Providing and fixing 110 mm dia PVC ( Finolox ) Plain Tee including fixing with approved adhesive etc. complete including carriage of materials in all leads and lifts	3,000 No	Each			
11	Providing and fixing G.I. Pipes complete with G.I. Fittings and clamps, Concealed work, including cutting chases and making good the walls etc. including carriage of materials within all leads and lift.	13,600 m	Per running metre			
11.1	15 mm dia nominal bore	15,200 m	Per running metre			
11.2	20 mm dia nominal bore					
12	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe etc. complete including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts, including all incidental charges	10,00 No	Each			
12.1	15mm nominal bore (fifteen millimeter)	10,00 No	Each			
12.2	20mm nominal bore (twenty millimeter)	6,000 No	Each			
13	Providing and fixing chromium plated Brass extension nipple (size 15mmx50mm) of approved make and quality as per direction of Engineer-in-charge including carriage of materials within all leads and lift.					
14	Providing and fixing 15 mm nominal bore brass stop cock ( concealed ) of standard design and of approved quality including carriage of materials within all leads and lift.	2,000 No	Each			

# SCHEDULE OF QUANTITY

Sl. No.	Description of work	Qty.	Unit	RATE In		AMOUNT Rs.
				Figures	Words	
15	Finishing with Deluxe Multi surface paint system for interiors and exteriors using primer as per manufacturers specifications painting wood work with deluxe multi surface paint of required shade. Two or more coat applied @ 0.90 ltr/10 sqm over an under coat of primer applied @0.75 ltr/10 sqm of approved brand and manufacture as per HP.PWD. Specification including carriage of all labour equipment and material to various locations through all modes of transportation in all leads and lifts and all incidental charges.	240.450 m2	Per Square Meter.			
16	Polishing on new wood work with ready mixed wax polish of approved brand and manufacture including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts, including all incidental charges.	14.440 m2	Per Square Meter.			
17	Painting Old work (one or more coats) on G.S. sheet with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts, including all incidental charges.	45.000 m2	Per Square Meter.			
18	Providing and installing Mono block Electric pump IHP single phase of Kirloskar make or equivalent i/c fixing complete as per HP.PWD. specification including carriage of all labour equipment and material to various location through all modes of transportation in all leads and lifts, including all incidental charges.	2.000 No	Each			
19	Providing and laying reinforced cement concrete 1:1.5:3 (one cement iso one point five Sand iso three graded stone aggregate 20 mm (twenty millimeters) nominal size in walls i.e. in chimneys & shafts etc. mechanically mixed, vibrated and curing complete excluding cost of form work as per H.P. PWD. specification including carriage of all labour, equipments and materials to various location through all modes of transportation in all leads and lifts, including all incidental charges.	1.020 m2	Per Cubic metre			
Total :-						

Total in Words

T/S No. 183 for the 2022-23  
Sr. No. 207 for the year 2022-23.

  
Executive Engineer,  
Solan Division H.P.P.W.D.,  
SOLAN