#### 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 Jawalamukhi 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 14.09.2022 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 13.09.2022 up to 4:00 P.M and the application for issue of tender form shall be received on 12.09.2022up 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 Executive Engineer, HP PWD Division Jawalamukhi.

The conditional tender and the tender received without earnest money will

summa	arily be rejected. The offer of the tender shall be kept open for 120			
Sr. No.	Name of work	Estimated Cost	Earnest Money	Time limit
1	Construction of link road from Jawalamukhi to Chambapattan road to village Sasan via Harizan Basti Km 0/000 to 2/000 in Distt. Kangra (H.P.) (SH:-Providing and laying cement concrete pavement road at RD 0/000 to 0/065 and Construction of Edge wall at RD 0/175 to 0/195).	3,81,077/-	7,650/-	Three months
2	Restoration of rain damages on Jawalamukhi to Chambapattan road Km 0/000 to 10/564 in Distt. Kangra (H.P.)(SH:-Construction of road side drain with edge wall at RD 7/200 to 7/276) (R.H.S.)	4,99,960/-	10,000/-	Three months
3.	Construction of road from Baroh Chowk Dehrian Jandrah Talli Tikka Dolla Kharaina Nahlian MDR-93 road Km 0/000 to 49/400 in Distt. Kangra (HP) (SH:-Construction of retaining wall at RD 35/609 to 35/615 and 35/800 to 35/810).	4,94,244/-	10,000/-	Three months
4.	Restoration of rain damages on link road Khabali Dosarka to H.L.B. Nadaun Km 0/000 to 19/300 in Distt. Kangra (HP) (SH:-Construction of U-shape drain at RD 12/000 to 12/070 (R.H.S.)	3,82,336/-	7,650/-	Three months
5.	Construction of link road from Gurer Toru Adhwani including link road Mangtyal to Seri road Km 3/750 to 7/780 in Distt. Kangra (HP) (SH:-Construction of retaining wall at RD 4/388 to 4/405).	4,99,980/-	10,000/-	Three months
6.	Restoration of rain damages on Kutiara Majheen Sehorbala road Km 0/000 to 24/800 in Distt. Kangra (HP) (SH:-Construction of U-Shape drain at RD 4/600 to 5/280).	3,65,840/-	7,350/-	Three months
	Restoration of rain Damages on link road from Rakhwal Lahar to Chambapattan road Km 0/000 to 2/240 in Distt. Kangra (HP) (SH:-Providing and laying cement concrete pavement road alonwith Edge wall at RD 0/240 to 0/275).	4,17,793/-	8,400/-	Three months
8.	Construction of link road from Barona to Baah Km 0/000 to 1/345 in Distt Kangra (HP) (SH:-Providing and laying cement concrete pavement road in Km 0/900 to 1/022).	4,02,632/-	8,100/-	Three months
9.	Construction of road from Baroh Chowk Dehrian Jandrah Talli Dolla Kharaina Khundian Nahlian MDR -93 road Km 0/000 to 49/000 in DIstt Kangra (HP) (SH:-Construction of Edge all at TD 37/735 to 37/775, 377/778 to 37/781, widening of HPC at RD 37/776.50 and Toe wall 37/775 to 37/778 both side).	1,08,762/-	2,200/-	Two months
10.	Construction of road from Baroh Chowk Dehrian Jandrah Talli Dolla Kharaina Khundian Nahlian MDR -93 road Km 0/000 to 49/000 in Distt Kangra (HP) (SH;-Construction of retaining wall 36/500 to 36/520).	4,99,982/-	10,000/-	Three months

11.	Construction of link road from Baroa to Saloha Km 0/000 to 1/735 in DIstt Kangra (HP) (SH:-Providing and laying cement concert pavement road in Km 0/580 to 0/660 & 1/400 to 1/490).	472260/-	9,450/-	Three months
12.	A/R & M/O to Non-residential building HP PWD Jawalamukhi Division in Distt Kangra (HP) (SH:-Repair of Sub-divisional Building).	4,24,890/-	85,00/-	Two months
13.	Jawalamukhi to Chambapattan road Km 0/000 to 10/565 in DIstt Kangra (HP) (SH:-Providing and laying interlocking paver block at RD 0/460 to 0/530).	4,99,964/-	10,000/-	Three months

#### **Terms & Conditions:**-

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

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

#### HIMSUCHANA AVAM & JAN SAMPARK

(On behalf of Governor of Himachal Pradesh)

No.PW/JWL/TA/Tender/NIT/2022/ 40 - 70

Copy to the following for information and necessary action:-

- 1. The Principal Secy. (PW) to the Govt. of H.P. Shimla.
- 2. The Engineer-in-Chief, HPPWD, Shimla.
- 3. The Chief Engineer (KZ), HPPWD, Dharamshala.
- 4. The Director, Information & Publications Department, H.P. Shimla
- 5. The Executive Engineer (IT), Nigam Vihar Shimla 2 for information. He is requested to upload the same on the department website.
- 6. The Superintending Engineer, 9<sup>th</sup> Circle, HPPWD, Nurpur.
- 7. The Deputy Commissioner, Kangra at Dharamshala.
- 8. All the S.E.s/E.E.s under North Zone.
- 9. The Sub-Divisional Officer(C) Jawalamukhi.
- 10. The Block Development Office Dehra.
- 11. All the Assistant Engineer under this Division.
- 12. The Drawing /Accounts Branch in this office.
- 13. The Contractors concerned.
- 14. Notice Board.

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

Jawalamukhi

ESTIMATED COST: - Rs. 381077.00
EARNEST MONEY: - Rs. 7650.00
TIME LIMIT : THREE MONTHS

NAME OF WORK :-Construction of link road from Jawalamukhi to Chambapattan road to village Sasan via Harizan Basti Km 0/000 to 2/000 in Distt. Kangra (H.P.).

No. SUB HEAD : -C 4 w 2 Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing wall, return as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals. as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of Providing and laying concrete for plain reinforcement concrete in open foundation complete as per drawing of materials within all leads, lifts and other incidentals. materials within all leads, lifts and other incidentals. Clause 1204.3.8, granular material complete as directed by the Engineer-Incharge including carriage of Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals. towards drawing face complete as per drawing and technical specifications clauses 614, 709, 1204.3.7 as wall with 100 mm dia PVC pipe extending through the full width of the structures with slope of 1(V):20(H) shuttering plain cement concrete 1:3:6 (One Cement : Three coarse sand : Ten graded stone aggregate 20 Providing and laying in position cement concrete of specified grade including the cost of centering and materials within all leads, lifts and other incidentals and technical specification clauses 802, 803, 1202 and 1203 PCC Grade (M-20) (M-twenty) nominal mix excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or mm (Twenty millimetres) nominal size complete as per drawing and HP.PWD technical specifications and 1:2:4 (One cement: Two sand: Four graded/crushed stone aggregate) 20mm (TWenty millimetres) thickness Providing and laying cement concrete pavement road at RD 0/000 to 0/065 and construction of Edge wall at RD 0/175 to 0/195 Description of items Quantity Running Cubic Cubic Cubic metres 20.00 metres 31.00 meters 40.95 meters Cubic 3.88 9.20 netres In fig. Rate In words TOTAL :running metre metre cubic cubic cubic metre cubic metre metre Unit Per Per Per Per Per 0 Amount

Executive Engineer,
Jawahnukhi Division,
H.P.P.W.D., Jawalamukhi.

ESTIMATED COST: - Rs. 499960.00 EARNEST MONEY: - Rs. 10000.00 TIME LIMIT : THREE MONTHS

NAME OF WORK: - Restoration of rain damages on Jawalamukhi to Chambapattan road Km 0/000 to 10/565 in Distt. Kangra (H.P.).

	TOTAL:-	T			
	cubic metre		Cubic meters	layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, up to any lead and lift as per HPPWD technical specification and as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	u
	Per		35.28	Till:ilable accepted earth (excluding rack) in trenches, plinth, sides of foundations etc. in	
	Шене		metres	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.	
	cubic		Cubic	and shuttering plain cement concrete 1:3:6 (One Cement: Three coarse sand: Ten graded stone	
	Per		101.72	braviding and laving in position cement concrete of specified grade including the cost of centering	
				any lead including entire carriage of materials within all leads, fills allo other including.	
				including getting out the excavated soil and disposal of surplus excavated soils as directed, within	
	metre		meters	of drains (not exceeding 1.5m (One point five metre),	
	cubic		Cubic	- Arring (not exceeding 15m (One point five metre) in width or 10 sqm (Ten square metre) on	,
	Per		38.15	Executation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches	1
7	6	5	3 4	2	No.
1		fig. In words	In fig.	Description or recus	· v
Amount	Unit	Rate	Quantity	Description of items	SUB
				Construction of Road side drain with edge wall at RD 7/200 to 7/276 (R.H.S.).	CHE

Executive Engineer,
Jawalmukhi Division,
H.P.P.W.D., Jawalamukhi

**EARNEST MONEY:-**ESTIMATED COST: -Rs. 494244.00 10000.00

NAME OF WORK :-Construction of road from Baroh Chowk Dehrian Jandrah Talli Tikka Dolla Kharaina Khundian Nahlian MDR-93 road Km 0/000 to 49/400 in Distt. Kangra (H.P.). TIME LIMIT THREE MONTHS

and shuttering - All work up to plinth level 1:5:10 (One cement: Five coarse sand: Ten graded stone aggregate 40 mm (Forty millimetres nominal size) 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.  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 as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.  Backfilling behind abutment, wing wall and return wall complete as per drawings and technical specification Clause 1204.3.8, granular material complete as directed by the Engineer-Incharge including carriage of materials within all leads, lifts and other incidentals.	Cubic metres  96.32  Running metres  18.15  Cubic metres				cubic metre  Per running metre  Per cubic metre
CONTROL OF THE PROPERTY OF THE	Cubic metres 96.32 Running metres 18.15				cubic metre  Per running metre  Per cubic
FIRST PRINCIPLE PROPERTY AND ADDRESS OF THE PRINCIPLE PR	Cubic metres 96.32 96.32 Running metres				
THE DESCRIPTION OF THE PROPERTY OF THE PROPERT	Cubi metre 96.3; Runni metre	ong ng	oc c c c c c c c c c c c c c c c c c c	) (c c c c c c c c c c c c c c c c c c c	
DOWNSTRAIN TO STATE OF THE PROPERTY OF THE PARTY OF THE P	Cub metr 96.3	ing 2	es es	es e	
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	Cubi metre 96.33	2 %	8 6 6	2 % G	
	Cubic metres	3,	<i>3</i> \   3\		
	Cub	es ic	dic es	66 ic	
	Cub	ic S	e ic 66	ic ic	
11.9	Cub	<u>c</u> . 5	ic 66	66 ic	
		00	66	66	
	122.	7	THE STATE OF THE PROPERTY OF THE PERSON NAMED IN		66 Per
any lead including entire carriage of materials within all leads, lifts and other incidentals.					
	me	ters	ters	ters	
	C	bic	bic	bic	
Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches	28	.22	.22	.22	
		~	3 4		
			In fig.	In fig. In words	
-	Qua	ntity	ntity	ntity Rate	
in fo (Ten One oils a noide	oundation trenches square metre) on point five metre), as directed, within entals.		Quantity  3  28.22  Cubic meters	Quantity In fig.    Quantity In fig.   In fig.	Quantity         Rate           In fig.         In words           3         4         5           28.22         Cubic         1           meters         1         1

Jawalmukhi Division, H.P.P.W.D. Yawalamukhi. Executive Engineer,

**EARNEST MONEY:-**ESTIMATED COST: -

Rs.

382336.00

THREE MONTHS 7650.00

NAME OF WORK :-Restoration of rain damages on link road Khabali Dosarka to H.L.B. Nadaun Km 0/000 to 19/300 in Distt. Kangra (H.P.). Construction of U-shane drain at RD 12/000 to 12/070 (R.H.S.) TIME LIMIT

No.   Description of items   Quantity   Rate   Unit   No.	TOTAL:-	TOY				
Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre) including getting out the excavated soil and disposal of surplus excavated soils as directed, within all leads, lifts and other incidentals.    Quantity   In fig.   In words	Per cubic metre			74.90 Cubic metres	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.	<i>N</i>
Description of items  Quantity In fig. In words  3 4 5 6	Per cubic metre			91.35 Cubic meters	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 metre) or plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre) including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	1
Description of items Quantity Rate Unit In fig. In words	6	S	4	w	2	1
Description of items Quantity Rate Unit		In words	In fig.			o.
		Rate		Quantity	Description of items	S

Executive Engineer,
Jawalandkhi Division,
H.P.P.W.D., Jawalannukhi.

EARNEST MONEY: -ESTIMATED COST: -THREE MONTHS 499980.00 10000.00

Rs.

NAME OF WORK: - Construction of link road from Gurer Toru Adhwani incluidng link road Mangtyal to Seri road Km 3/750 to 7/780 in Distt. Kangra (H.P.).

S. | Construction of Retaining wall at RD 4/388 to 4/405

	TOTAL:-	To				
					Incharge including carriage of materials within all leads, lifts and other incidentals.	
	metre			meters	The maj read and fit as per HPP WD technical specification and as directed by the Engineer-	
	cubic			Cubic	in to any lead and life as an irrow, consolidating each deposited layer by ramming and watering,	
	Per			158.15	layers not exceeding 20cm in doubt consolidation in trenches, plinth, sides of foundations etc. in	
	metre			metres	Filling available appareted and the life and other incidentals.	<b>J</b> 1
	cubic			Cubic	including corrigge of motorials within 111-1-112	
	Per			22.15	specification Clause 1204.2.8	4
					within all leads, lifts and other incidentals.	
	mene				clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials	
	Bummin		0	metres	slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications	
	rupping		4	$\nabla$	wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with	
	Per			97.15	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing	ų
					יייי יייי ייייי יייייייייייייייייייייי	,
					lifts and other incidentals	
	metre			metres	specifications and as directed by Engineer I all the size as per grawing and HP.PWD technical	
	cubic			Cubic	stone aggregate 40 mm (Forty millimoteca naminal sin) - I be coarse sand : I en graded	
	Per			116.72	and shuffering - All work him to plinth level 1:5:10 (One coment E:	
					Providing and laving in position cement concrete of specified grade including the post of	2
					any lead including entire carriage of materials within all leads, lifts and other incidentals.	
					merianing getting out the excavated soil and disposal of surplus excavated soils as directed, within	
	metre			meters	including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre),	
	cubic			Cubic	plan) including dressing of sides and remainded in width or 10 sqm (1en square metre) on	
	Per			26.32	or drains (not exceeding 1 5m (One point five mother) in 111	
7	6	5	4		Exceptation work by mochanical many (III.d. III.	1
		In words	In fig.		3	7
Amount	Unit	Rate		Quantity		No.
				2	Description of items	

Executive Engineer,
Jawahnukhi Division,
H.P.P.W.D., Jawahnnukhi.

**EARNEST MONEY:-**ESTIMATED COST: -Rs. Rs. 365840.00 7350.00

THREE MONTHS

SUB HEAD : -NAME OF WORK :-Restoration of rain damages on Kutiara Majheen Sehorbala road Km 0/000 to 24/800 in Distt. Kangra (H.P.). Construction of V-shape drain at RD 4/600 to 5/280

		N		1	No.	S
		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.	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 metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	2		Description of items
		71.40 Cubic metres	91.80 Cubic meters	S		Quantity
				4	In fig.	,
\				5	In words	Rate
	TOTAL:-	Per cubic metre	Per cubic metre	6		Unit
	S. CANTON	September 1		7	, and diffe	Amount

Executive Engineer,
Jawathukhi Division,
H.P.P.W.D., Jawalamukhi.

**EARNEST MONEY:-**ESTIMATED COST: -Rs. 417793.00 8400.00

TIME LIMIT

Rs.

THREE MONTHS

SUB HEAD : -NAME OF WORK :-Restoration of rain damages on link road from Rakhwal Lahar to Chambapattan road Km 0/000 to 2/240 in Distt. Kangra (H.P.). Providing and paying cement concrete pavement road alongwith Edge wall at RD 0/240 to 0/275

	TOTAL:-	To				
	Per cubic metre			34.13 Cubic meters	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-Incharge including carriage of materials within all leads, lifts and other incidentals.	4
	Per cubic metre			22.75 Cubic metres	Providing, laying, spreading and compacting stone aggregate size 90mm to 45mm (ninety millimeter to forty five millimeter) <b>Grading-I</b> 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 milimetres) 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.	ω
	Per cubic metre	·		37.80 Cubic metres	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.	2
	Per cubic metre			21.15 Cubic meters	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 metre) on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other incidentals.	1
7	6		4	S	2	1
Amount	Unit	In words	In fig.	Quantity		No.
•	11	Data		Omantitu	Description of items	S

Executive Engineer;
Jawannukhi Division,
H.P.P.W.D., Jawalamukhi.

ESTIMATED COST: EARNEST MONEY: TIME LIMIT:

Rs.

402632.00 8100.00 THREE MONTHS

NAME OF WORK: - Construction of link road from Baroa to Baah Km 0/000 to 1/345 in Distt. Kangra (H.P.)

	TOTAL:-	T				
	Per cubic metre			59.93 Cubic meters	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-Incharge including carriage of materials within all leads, lifts and other incidentals.	2
	Per cubic metre			38.43 Cubic metres	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 milimetres) 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-Incharge including carriage of materials within all leads, lifts and other incidentals.	1
7	6	5	4	w	2	1
Amount	Unit	Rate In words	In fig.	Quantity	Description of items	No.
					SUB HEAD : - Providing and laying cement concrete pavement road in Km 0/900 to 1/022	SUL

Executive Engineer,
Jawalandkhi Division,
H.P.P.W.D., Jawalannukhi.

TIME LIMIT ESTIMATED COST: -**EARNEST MONEY:-**Rs. TWO MONTHS 108762.00 2200.00

NAME OF WORK :-Construction of road from Baroh Chowk Dehrian Jandrah Talli Tikka Dolla Kharaina Khundian Nahlian MDR-93 road Km 0/000 to 49/400 in Distt. Kangra (H.P.).

SUB HEAD : -Construction of Edge wall at RD 37/735 to 37/775, 37/778 to 37/781, Widening of HPC at RD 37/776.50 and Toe wall 37/775 to 37/778 both side.

	Providing and laying in position cement concrete of specified grade including the and shuttering plain cement concrete 1:3:6 (One Cement: Three coarse sand: Te aggregate 20 mm (Twenty millimetres) nominal size complete as per drawing technical specifications and as directed by Engineer-Incharge including carriage of all leads, lifts and other incidentals.	sand) including testing of joints etc; 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.  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.	Providing and laying non-pressure NP2 class R.C.C. hume pipes 900mm (Nine hundred millimetre) dia with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (One cement : Two fine sand) including testing of joints etc; 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.  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 teres all leads, lifts and other incidentals.	Providing and laying non-pressure NP2 class R.C.C. hume pipes 900mm (Nine hundred millimetre) dia as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.  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 metres technical specifications and as directed by Engineer-Incharge including carriage of material within all leads, lifts and other incidentals.	ying non-pressure NP2 class R.C.C. hume pipes 900mm (Nine hundred millimetre) dia ted with stiff mixture of cement mortar in the proportion of 1:2 (One cement: Two fine Running lesting of joints etc; complete as per drawing and HP.PWD technical specifications and metre Engineer-Incharge including carriage of material within all leads, lifts and other aying in position cement concrete of specified grade including the cost of centering plain cement concrete 1:3:6 (One Cement: Three coarse sand: Ten graded stone form (Twenty millimetres) nominal size complete as per drawing and HP.PWD metres ications and as directed by Engineer-Incharge including carriage of material within ad other incidentals.
	F 04 () ()	sment: Iwo fine becifications and lifts and other ost of centering on graded stone and HP.PWD material within	d millimetre) dia  2.50  ment: Two fine pecifications and lifts and other  ost of centering n graded stone and HP.PWD metres material within	d millimetre) dia  2.50	d millimetre) dia 2.50  ment : Two fine Running pecifications and metre lifts and other  ost of centering 19.95 n graded stone and HP.PWD metres material within
plete as per drawing including carriage of	0 0	ement: Iwo fine pecifications and lifts and other ost of centering on graded stone	d millimetre) dia  2.50  sment : Two fine Running  pecifications and metre  lifts and other  ost of centering  n graded stone Cubic	tals.  d millimetre) dia  ment : Two fine Running pecifications and metre lifts and other  ost of centering n graded stone Cubic	d millimetre) dia 2.50  ment : Two fine Running pecifications and metre lifts and other  ost of centering 19.95 n graded stone Cubic
hree coarse sand : Te	0	ement: Two fine pecifications and lifts and other cost of centering	d millimetre) dia  2.50  ement : Two fine Running  pecifications and metre  lifts and other  ost of centering 19.95	d millimetre) dia  2.50 ement : Two fine Running pecifications and metre lifts and other  ost of centering 19.95	d millimetre) dia 2.50  ement : Two fine Running pecifications and metre lifts and other  ost of centering 19.95
grade including the c		pecifications and lifts and other	d millimetre) dia  2.50	tals.  d millimetre) dia  ement : Two fine Running pecifications and metre lifts and other	d millimetre) dia 2.50  ment : Two fine Running pecifications and metre lifts and other
rial within all leads,	CONT. CO. CO.	ement : Two fine	d millimetre) dia  2.50  ement : Two fine Running  necifications and	tals.  d millimetre) dia 2.50 ement : Two fine Running	d millimetre) dia 2.50 ement : Two fine Running
oportion of 1:2 (One of HP.PWD technical s	1		d millimetre) dia 2.50	tals. d millimetre) dia 2.50	d millimetre) dia 2.50
s 900mm (Nine hundre		d millimetre) dia		tals.	
lifts and other incider		ıtals.	itals.		itals.
including getting out the excavated soil and disposal of surplus excavated soils as directed, within		directed, within	directed, within		
or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and ramming of bottoms, lift unto 1.5 m (One point five metro)		quare metre) or			
Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches	=	ndation trenches	ndation trenches 10.16	196	196
			3		
	1300			In fig.	In fig. In words
			Quantity	Quantity	Quantity Rate

Executive Engineer,

Jawalmukhi Division, H.P.P.W.D., Jawalamukhi.

NAME OF WORK :-Construction of road from Baroh Chowk Dehrian Jandrah Talli Tikka Dolla Kharaina Khundian Nahlian MDR-93 road Km 0/000 to 49/400 in Distt. Kangra (H.P.). TIME LIMIT **EARNEST MONEY:-**ESTIMATED COST: -Rs. THREE MONTHS 499982.00 10000.00

SUB HEAD : - Construction of Retaining wall at RD24/500 to24/520

	TOTAL:-	T			
	metre		metres	including carriage of materials within all leads, lifts and other incidentals.	
	cubic		Cubic	specification Clause 1204.3.8, granular material complete as directed by the Engineer-Incharge	
	Per		18.15	Backfilling behind abutment, wing wall and return wall complete as per drawings and technical	4
				within all leads, lifts and other incidentals.	
				clauses 614, 709, 1204.3.7 as directed by the Engineer-Incharge including carriage of materials	
	metre		metres	slope of 1(V):20(H) towards drawing face complete as per drawing and technical specifications	
	running		Running	wall, return wall with 100 mm dia PVC pipe extending through the full width of the structures with	
	Per		76.32	Providing weepholes in brick masonry/stone masonry, plain/reinforced concrete abutment, wing	w
				lifts and other incidentals.	
				specifications and as directed by Engineer-Incharge including carriage of material within all leads,	
	metre		metres	stone aggregate 40 mm (Forty millimetres nominal size) as per drawing and HP.PWD technical	
	cubic		Cubic	and shuttering - All work up to plinth level 1:5:10 (One cement : Five coarse sand : Ten graded	
	Per		124.99	Providing and laying in position cement concrete of specified grade including the cost of centering	2
				any lead including entire carriage of materials within all leads, lifts and other incidentals.	
				including getting out the excavated soil and disposal of surplus excavated soils as directed, within	
	metre		meters	plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m (One point five metre),	
	cubic		Cubic	or drains (not exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on	
	Per		28.22	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches	1
7	6	4 5	3	2	1
		In fig. In words			No.
Amount	Unit	Rate	Quantity	Description of items	· ·
					2

Executive Engineer,
Jawahnukhi Dixision,
H.P.P.W.D., Jawalamukhi.

ESTIMATED COST: -

Rs.

472260.00 9450.00

**EARNEST MONEY:-**

TIME LIMIT

THREE MONTHS

SUB HEAD : -NAME OF WORK :-Construction of link road from Baroa to Saloha Km 0/000 to 1/735 in Distt. Kangra (H.P.) Providing and laying cement concrete pavement road in Km 0/580 to 0/660 & 1/400 to 1/490

	TOTAL:-	TO			
	Per cubic metre		70.32 Cubic meters	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-Incharge including carriage of materials within all leads, lifts and other incidentals.	2
	Per cubic metre		45.00 Cubic metres	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-Incharge including carriage of materials within all leads, lifts and other incidentals.	I
7	6	4 5	w	2	1
Amount	Ollit	In fig. In words	Quantity	Description of items	No. 9
Amount	IIImiii				0
			100 to 1/490	SUB HEAD : - Providing and laying cement concrete pavement road in Km 0/580 to 0/660 & 1/400	SUB

Executive Engineer,
Jawalmukhi Division,
H.P.P.W.D., Jawalamukhi.

## SCHEDULE OF QUANTITY

ESTIMATED COST: EARNEST MONEY: TIME LIMIT :-

Rs.

424890.00 8500.00 TWO MONTHS

NAME OF WORK:-A/R & M/O to Non-Residential buildings H.P.P.W.D., Jawalmukhi Division in Distt. Kangra (H.P.) Repair of Sub-Divisional Building.

SUB-HEAD :-

NEWSCHAFT.		3	1300				The second	2500																		1	1	
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plinth level to floor all level complete including carriage of material with in all leads, lifts and other incidentals as per drawing, design and specifications, as per the direction and entire satisfaction of Engineer-in-Charge.	207	15mm (Fifteen millimetres) thick cement plasters in single coat on fair side of brick/concrete/stone walls for interior	specifications, as per the direction and entire satisfaction of Engineer-in-Charge.	all level complete including carriage of material with in all leads, lifts and other incidentals as per drawing, design and	80mm in girth and finished even and smooth witth cement mortar 1:6 (One cement : Six sand) above plinth level to floor	plastering upto all floor level including arises, internal rounded angles, chamfers and or rounded angles not exceeding	15mm (Fifteen millimetre) thick cement plasters in single coat on rough side of brick/concrete/stone walls for interior	approved drawing, design and as directed by the Engineer-in-Charge.	cement mortal 1:0(One cement: Six sand) within all leads, lifts of materials and other incidentals, as per	Second class brick work using common burnt clay building bricks in super-structure upto all floor level in	materials and other incidentals, as per approved drawing, design and as directed by the Engineer-in-Charge.	out joints with cement mortar 1:6 (One cement : Six sand) and curing complete within all leads, lifts of	Squared rubble masonry coursed with hard stone of approved quality in foundation and plinth including racking	including entire carriage of materials within all leads, lifts and other incidentals.	Iwelve graded crushed stone aggregate 20mm (Twenty milimetres) nominal size) at plinth level in cement	quality in foundation and plinth including leveling up with cement concrete 1:6:12 (One cement : Six sand :	Random rubble masonry/polygonal rubble masonry (uncoursed/brought to courses) with hard stones of approved	foundation and plinth, including entire carriage of materials within all leads, lifts and other incidentals.	aggregate 40mm (Forty millimeters) nominal size) and curing complete including cost of forms work in	Providing and laying cement concrete 1:6:12 (One cement; Six sand; Twelve graded broken/crushed stone	incidentals.	surplus excavated soils as directed, within any lead including entire carriage of materials within all leads, lifts and other	ramming of bottoms, lift upto 1.5 m (One point five metre), including getting out the excavated soil and disposal of	exceeding 1.5m (One point five metre) in width or 10 sqm (Ten square metre) on plan), including dressing of sides and	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation trenches or drains (not	2		Description of items
metres	Square	72.15			metres	Square	68.14	metres	Cubic	16.44	metres	Cubic	2.50		metres	Cubic	3.52	metres	Cubic	1.69			meters	Cubic	24.15	3		Quantity
																										4	In fig	
																										5	In words	Rate
metre	square	Per			metre	square	Per	metre	cubic	Per	metre	cubic	Per		metre	cubic	Per	metre	cubic	Per			metre	cubic	Per	6		Unit
																										7		Amount

15	14	13	12	"	10	9	∞	1	No.
Providing and fixing vitreous china water closet squatting pan (European type W.C. pan) size 580mm (Five hundred eighty millimeters) Cera, Jaquuar and Hindware including plastic seat cover, P or S trap etc; (earth work, bed concrete, foot rest and trap 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.	Providing and fixing G.I. inlet connection for flush pipe ISI marked or its equivalent with W.C. pan including entire carriage of material within all leads lifts and other incidentals and as per specification and as directed by the Engineer-Incharge.	Painting work on walls with Deluxe Multi Surface Paint of Asian/Nerolac to give an even shade (Two or more coats) applied @ 0.90 ltr/ 10 sqm Zero point nine zero liters per ten sqaure metre) over an under coat of primer applied @ 0.75 ltr/10 sqm Zero point seven zero liters per ten sqaure metre) as per specifications, drawing and design including carriage of material within all leads, lifts and other incidentals and as directed by the Engineer-in-charge.	Providing and fixing 0.60mm (sixty millimetre) thick prepainted steel sheet (IS marked Z-120) of TATA Durashine/ Sail /Reliance/Jindal over steel trussed in roofing with hot dipped metalic zinc coated sheet with top coat of regular modified polyster (RMP) organic coating of 20 (Twenty) microns over 5 (Five) microns primer coating of back coat of polyster of 5 (Five) microns over 5 (Five) microns primer coating including fixing with prepainted iron J or L hooks, bolts and nuts 6 fmm (six millimetre) diametres with prepainted limpet, rubber washers complete with all accessories as required including carriage of material within all leads, lifts and other incidentals and further as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	Structural steel work of Tata / Sail / Reliance/Jindal riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete including carriage of material within all leads, lifts and other incidentals and further as per specifications, approved drawing, design and as directed by the Engineer-in-charge.	Providing and laying vetrified tiles 60x60cm (Sixty into sixty centimetres) of approved shade in walls of 12mm (Twelve milimetres) 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 carriage of materials within all leads, lifts of materials and other incidentals as per approved drawing, design and as directed by the Engineer-Incharge.	Providing and laying Double charges vetrified tiles 60x60cm (Sixty into sixty centimetres) of approved shade in flooring, treads of steps and landing laid on a bed of 12mm (Twelve milimetres) 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 carriage of materials within all leads, lifts of materials and other incidentals as per approved drawing, design and as directed by the Engineer-Incharge.	Providing and laying anti skid water proof stain and impect resistent heavy duty vetrified tiles Nitco or equivalant 600x600mm (Six hundred into Six hundred millimetres) manufactured of approved shade and colour in flooring, treads of steps and landings laid over 12mm (Twelve millimetres) 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 directed by the Engineer-in-Charge, including carriage of materials within all leads, lifts and other incidentals.	2	Description of items
3 Numbers	Number	Square metres	49.15 Square metres	788.00 Kilgrams	Square metres	19.75 Square metres	4.75 Square metres	3	Quantity
								4	Infig
								5	Rate In words
Each	Each	Per square metre	Per square metre	Per kilogra m	Per square metre	Per square metre	Per square metre	6	Unit
								7	Amount

Providing and fixing flat back 600x450mm (Six hundred into Four hundred fifty milimetres) Hindware/Cera or superior glass mounted on 6mm (Six milimetres) thick A.C. sheet or ply w wooden plugs with C.P. brass screws and washers including entire carriage of materials within a more superior described by the Engineer-Incharge incidentals as not specification approved drawing description and as directed by the Engineer-Incharge	incidental as per approved drav	24 Providing and fixing 100mm										
Providing and fixing flat back 600x450mm (Six hundred into Four hundred fifty milimetres) beveled edge mirror of Hindware/Cera or superior glass mounted on 6mm (Six milimetres) thick A.C. sheet or ply wood sheet and fixed to wooden plugs with C.P. brass screws and washers including entire carriage of materials within all leads, lifts and other	Providing and fixing 100mm (One hundred millimetres) diametres C.P. Grating Jal/ESS ESS (Heavy duty makes ISI marked is No. 8934) for gully floor or Nahni trap including entire carriage of materials within all leads, lifts and other incidental as per approved drawing, design and as directed by the Engineer-Incharge.		Providing and fixing 32mm (Thirty two millimetres) diametres P.V.C. waste pipe ISI marked or its equivalent flexible (Coil type) length not less that 800 mm (Eight hundred millimetres) complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.	Providing and fixing 32mm (Thirty two millimetres) diametres C.P. bottle trap ISI marked or its equivalent for wash basin and sink complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres P.V.C. waste pipe ISI marked or its equivalent flexible (Coil type) length not less that 800 mm (Eight hundred millimetres) complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.	Providing and fixing 32mm (Thirty two millimetres) diametres C.P. brass ISI marked is No. 8934 of Jal/ESS ESS waste pipe for wash basin or sink including brass check nut complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres C.P. bottle trap ISI marked or its equivalent for wash basin and sink complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres P.V.C. waste pipe ISI marked or its equivalent flexible (Coil type) length not less that 800 mm (Eight hundred millimetres) complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.	Providing and fixing 32mm (Thirty two millimetres) nominal size diametres rubber plug for wash basin (Heavy duty makes ISI marked No. 8931) including entire carriage of materials within all leads, lifts and other incidentals and as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres C.P. brass ISI marked is No. 8934 of Jal/ESS ESS waste pipe for wash basin or sink including brass check nut complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres C.P. bottle trap ISI marked or its equivalent for wash basin and sink complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres P.V.C. waste pipe ISI marked or its equivalent flexible (Coil type) length not less that 800 mm (Eight hundred millimetres) complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.	Providing and fixing vitreous china pedestal I.S. marked No. 1025 Cera / Hindware of approved shade for wash basin complete at the back for the resption of pipe and fittings including entire carriage of materials within all leads, lifts and other incidentals and as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) nominal size diametres rubber plug for wash basin (Heavy duty makes ISI marked No. 8931) including entire carriage of materials within all leads, lifts and other incidentals and as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres C.P. brass ISI marked is No. 8934 of Jal/ESS ESS waste pipe for wash basin or sink including brass check nut complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres C.P. bottle trap ISI marked or its equivalent for wash basin and sink complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres P.V.C. waste pipe ISI marked or its equivalent flexible (Coil type) length not less that 800 mm (Eight hundred millimetres) complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.	Providing and fixing vitreous china wash basin IS marked No. 1025 (Clair) of Cera / Hindware of approved shade having size 55x40cm (Fifty five into forty centimetres) with single hole for pillar tap and C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fittings including entire carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge. Providing and fixing vitreous china pedestal 1.S. marked No. 1025 Cera / Hindware of approved shade for wash basin complete at the back for the resption of pipe and fittings including entire carriage of materials within all leads, lifts and other incidentals and as per specification approved drawing, design and as directed by the Engineer-Incharge. Providing and fixing 32mm (Thirty two millimetres) nominal size diametres rubber plug for wash basin (Heavy duty makes ISI marked No. 8931) including entire carriage of materials within all leads, lifts and other incidentals and as per specification approved drawing, design and as directed by the Engineer-Incharge. Providing and fixing 32mm (Thirty two millimetres) diametres C.P. brass ISI marked is No. 8934 of Jal/ESS ESS waste pipe for wash basin or sink including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres C.P. bottle trap ISI marked or its equivalent for wash basin approved drawing, design and as directed by the Engineer-Incharge. Providing and fixing 32mm (Thirty two millimetres) diameters P.V.C. waste pipe ISI marked or its equivalent flexible (Coil type) length not less that 800 mm (Eight hundred millimetres) complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.	Providing and fixing 100mm (One hundred millimetres) ISI marked or its equivalent PVC floor trap of self cleaning design including fixing with approved adhesive, cost of culting and making good the wall and floors electra complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.  Providing and fixing vitreous china wash basin IS marked No. 1025 (Clair) of Cera / Hindware of approved shade having size 55x40cm (Fifty five into forty centimetres) with single hole for pillar tap and C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fittings including entire carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.  Providing and fixing 32mm (Thirty two millimetres) nominal size diametres rubber plug for wash basin (Heavy duty makes ISI marked No. 8931) including entire carriage of materials within all leads, lifts and other incidentals and as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres C.P. brass ISI marked is No. 8934 of Jal/ESS ESS waste pipe for wash basin or sink including brass check nut complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres C.P. bottle trap ISI marked or its equivalent for wash basin and sink complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres C.P. bottle trap ISI marked or its equivalent flexible providing and fixing 32mm (Thirty two millimetres) diametr	with a pair of G.I. or mild stee brackets complete with fittings such as lead valve less syphone 15mm (Fifteen milimetres) nominal size brass ball valve with polythene float C.P. brass handle unions and coupling for connections with indet, outlet and overflow pipes, 40mm (Forty milimetres) diametres C.P. flush bend including cutting holes in walls and making good the same and connection the flush bend with eistern and closet (overflow pipe to be measured and paid for separately) and as per direction of Engineer-Incharge within all leads, lifts of materials and other incidentals.  Providing and fixing 100mm (One hundred millimetres) ISI marked or its equivalent PVC floor trap of self cleaning design including faring with approved adhesive, cost of cutting and making good the wall and floors etectra complete including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.  Providing and fixing vitreous china wash basin IS marked No. 1025 (Clair) of Cera / Hindware of approved shade having size 55x40cm (Fifty five into forty centimetres) with single hole for pillar tap and C.I. or M.S. brackets painted white including cutting holes and making good the same but excluding fittings including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-in-charge.  Providing and fixing 32mm (Thirty two millimetres) nominal size diametres rubber plug for wash basin (Heavy duty makes ISI marked No. 8931) including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres C.P. brass ISI marked is No. 8934 or incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres C	Providing and fixing 10/12.50/15.00 Ltrs (Tea/twelve decimal fifty/fifteen Liters) capacity PVC low level flushing cistem with a pair of G.I. or mild steel brackets complete with fittings such as lead valve less syphone 15mm (Fifteen milimetres) nominal size brass ball valve with polythene float C.P. brass handle unions and coupling for connections with inlet, outlet and owerflow pipes, 40mm (Forty milimetres) diametres C.P. flush bend including cutting lobes in walts and making good the same and comection the flush bend with cistern and close (foverflow pipe to be metrigated and paid for separately), and as per direction of Engineer-Incharge within all leads, lifts of materials and other incidentals.  Providing and fixing 100mm (One hundred millimetres) ISI marked or its equivalent PVC floor trap of self cleaning design including carriage of material within all leads, lifts and other incidentals as per specifications, approved drawing, design and as directed by the Engineer-in-charge.  Providing and fixing vitreous china wash basin IS marked No. 1025 (Clair) of Cera / Hindware of approved shade having size 55x40cm (Fifty five into forty centimetres) with single hole for pillar tap and C.I. or M.S. brackets painted white including and fixing vitreous china pedestal I.S. marked No. 1025 (Clair) of Cera / Hindware of approved shade having complete at the back for the respition of pipe and fittings including entire carriage of materials within all leads, lifts and other incidentals and as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) nominal size diametres rubber plug for wash basin of sink including three carriage of materials within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.  Providing and fixing 32mm (Thirty two millimetres) diametres C.P. brass ISI marked or its equivalent for wash basin and other incidentals as per specification approved	ng 10/12.50/15.00 Ltrs (Ten/two or mild steel brackets complete ball valve with polythene float s, 40mm (Forty milimetres) diar ection the flush bend with ciste Engineer–Incharge within all le Engineer–Incharge within all le Engineer-in-charge.  Ing 100mm (One hundred mill ixing with approved adhesive, of material within all leads, lift the Engineer-in-charge.  Ing vitreous china wash basin IS fly five into forty centimetres) holes and making good the same er incidentals as per specification govitreous china pedestal I.S. leck for the resption of pipe and and as per specification approved ing 32mm (Thirty two millimetres) weed drawing, design and as directed by the Enging 32mm (Thirty two millimetres), including entire carriage of not less that 800 mm (Eight hund other incidentals as per specifications approved in the state of the respective of the proveded and some control of the state of the proveded and as directed by the Enging 32mm (Thirty two millimetres) and as directed by the Enging 32mm (Thirty two millimetres) and the state of the proveded of t
50mm (Six hundred into Fo.	indred millimetres) diametres Nahni trap including entire ign and as directed by the En	(Eight hundred millimetres) is per specification approved	vo millimetres) diametres P.V	o millimetres) diametres C.P. rriage of material within all ed by the Engineer-Incharge. wo millimetres) diametres P.V.	o millimetres) diametres C.P. rass check nut complete, incl n approved drawing, design a millimetres) diametres C.P. rriage of material within all ed by the Engineer-Incharge. vo millimetres) diametres P.N	vo millimetres) nominal size centire carriage of materials and as directed by the Engine of millimetres) diametres C.P. rass check nut complete, including approved drawing, design an approved drawing, design an approved drawing approved diametres C.P. rriage of material within all ed by the Engineer-Incharge, wo millimetres) diametres P. vo millimetres) diametres P. vo	idestal I.S. marked No. 1025 If pipe and fittings including In approved drawing, design a  vo millimetres) nominal size g entire carriage of materials and as directed by the Engine o millimetres) diametres C.P. rrass check nut complete, incl in approved drawing, design a  millimetres) diametres C.P. irriage of material within all ed by the Engineer-Incharge. vo millimetres) diametres P.  vo millimetres) diametres P.	sh basin IS marked No. 1025 ntimetres) with single hole food the same but excluding fispecifications, approved draw idestal I.S. marked No. 1025 of pipe and fittings including a approved drawing, design a proved drawing, design a proved drawing of materials and as directed by the Engino mapproved drawing, design and as directed by the Engino millimetres) diametres C.P. prass check nut complete, including approved drawing, design and approved drawing, design and approved drawing, design and approved drawing, design a	ndred millimetres) ISI markel adhesive, cost of cutting ar III leads, lifts and other incide ge.  sh basin IS marked No. 1025 ntimetres) with single hole food the same but excluding fi specifications, approved draw idestal I.S. marked No. 1025 of pipe and fittings including in approved drawing, design approved drawing, design approved drawing, design and as directed by the Engino on millimetres) diametres C.P. prass check nut complete, including on approved drawing, design and as directed by the Engine on millimetres) diametres C.P. prass check nut complete, including on approved drawing, design and approved drawing, design and approved drawing, design and approved drawing, design and approved drawing, design ap	rrs (Ten/twelve decimal fithyls complete with fittings such thene float C.P. brass handle netres) diametres C.P. flush b I with cistern and closet (over vithin all leads, lifts of material marked millimetres) ISI marked millimetres) ISI marked leads, lifts and other incide ge.  Is basin IS marked No. 1025 ntimetres) with single hole for the same but excluding for specifications, approved draw specifications, approved draw specifications, approved draw specifications, approved draw specifications and fittings including for pipe and fittings including for materials specifications of materials specifications of materials and as directed by the Engine on millimetres) diametres C.P. prass check nut complete, including on approved drawing, design and as directed by the Engine on millimetres) diametres C.P. prass check nut complete, including on approved drawing, design and approved drawing, design and approved drawing, design and approved drawing, design and approved drawing.	rs (Ten/twelve decimal fifty/s complete with fittings such thene float C.P. brass handle netres) diametres C.P. flush b! with cistern and closet (over vithin all leads, lifts of material adhesive, cost of cutting ar II leads, lifts and other incide ge.  sh basin IS marked No. 1025 ntimetres) with single hole food the same but excluding find the same should be same shoul	trs (Ten/twelve decimal fifty/fifte ts complete with fittings such as I/thene float C.P. brass handle unimetres) diametres C.P. flush bend shift cistern and closet (overflow within all leads, lifts of materials; andred millimetres) ISI marked of adhesive, cost of cutting and not all leads, lifts and other incidenta rige.  Is hasin IS marked No. 1025 (Clantimetres) with single hole for produced the same but excluding fitting specifications, approved drawing, specifications, approved drawing, right and a directed by the Engineer-to millimetres) nominal size diagentire carriage of materials with and as directed by the Engineer-to millimetres) diametres C.P. bott urriage of material within all leaded by the Engineer-Incharge.
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eet and fixed to	duty makes ISI s, lifts and other	uivalent flexible f material within by the Engineer-	per specification	nt for wash basin	VESS ESS waste in all leads, lifts rge.	sin (Heavy duty entals and as per PESS ESS waste in all leads, lifts rge.	e for wash basin II leads, lifts and rge. sin (Heavy duty entals and as per leads, lifts rge. at for wash basin at for wash basin	yed shade having ats painted white aterial within all gineer-in-charge. e for wash basin II leads, lifts and trge. sin (Heavy duty entals and as per JESS ESS waste in all leads, lifts rge.	of self cleaning etcetra complete drawing, design wed shade having the painted white atterial within all gineer-in-charge.  e for wash basin II leads, lifts and tge.  sin (Heavy duty entals and as per entals and as per leads, lifts ge.  JESS ESS waste in all leads, lifts ge.	I flushing cistern freen milimetres) with inlet, outlet and making good or separately).and of self cleaning etcetra complete drawing, design ved shade having ts painted white aterial within all gineer-in-charge. The for wash basin II leads, lifts and tries. If some and tries waste	I flushing cistern fleen milimetres) with inlet, outlet and making good or separately).and of self cleaning etcetra complete drawing, design ved shade having its painted white aterial within all gineer-in-charge. e for wash basin II leads, lifts and rge.  sin (Heavy duty entals and as per entals and as per least, lifts waste in all leads, lifts rge.	I flushing cistern fleen milimetres) with inlet, outlet and making good or separately) and of self cleaning etcetra complete drawing, design wed shade having ste painted white atterial within all gineer-in-charge. For wash basin II leads, lifts and tge.  JESS ESS waste at for wash basin all leads, lifts ge.
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Providing and fixing 32mm (Thirty two millimetres) diametres M.I. union ISI marked or its equivalent for wash basin or sink.complete, including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.	Providing and laying 15mm (Fifteen millimetres) nominal bore in trenches galvanised mild steel tubes (medium grade) ISI marked or its equivalent including fittings (Earth work in trenches to be measured and paid for separately) complete as per specification and entire carriage of material within all leads, lifts and other incidentals. as per approved drawing, design and as directed by the Engineer- Incharge.	Providing and fixing 15mm (Fifteen millimetres) nominal bore CP connection pipe ISI marked or its equivalent with brass union 30cm (Thirty Centimetres) length complete including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.	Providing and fixing P.V.C. SINTEX water storage tank having capacity of 1000 (One thousand) liters of ISI 12701 marked with G.I. (Galvanised iron) inlet and outlet connection, 15mm (Fifteen milimetres) nominal bore ball valve and mosquito proof P.V.C. cover with locking arrangment including hoisting upto all heights above ground level including carriage within all leads, lifts of materials and other incidentals.	Providing and fixing 15mm (Fifteen milimetres) diametres brass angle valve without nuts IS marked No. 8934 of Jal/ESS ESS including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.	Providing and fixing 15mm (Fifteen millimetres) diametres C.P. brass stop cock IS marked No. 8934 of Jal/ESS ESS including entire carriage of material within all leads, lifts and other incidentals as per specifications approved drawing, design and as directed by the Engineer-Incharge.	Providing and fixing 15mm (Fifteen millimetres) diametres C.P. brass pillar tap with capstan bead of IS marked No. 8934 of Jal/ESS ESS including entire carriage of material within all leads, lifts and other incidentals as per specifications approved drawing, design and as directed by the Engineer-Incharge.	Providing and fixing 15mm (Fifteen millimetres) nominal bore chromium plated ISI marked fancy bib tap with capstan head of ISI marked No 8934 of Jal / ESS ESS complete including entire carriage of materials within all leads lifts and other incidentals and as per specifications directed by the Engineer-Incharge.	Providing and fixing Chromium plated brass soap dish ISI marked or its equivalent with C.P. brass brackets fixed to wooden plug with C.P. brass screws complete including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.	Providing and fixing 600x120mm (Six hundred into One hundred twenty milimetres) glass shelf with C.P. brass Jal/ESS ESS (Heavy duty makes ISI marked is No. 8934) brackets and guard rail complete fixed to wooden plugs with C.P. brass screws including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.	Providing and fixing 600x20mm (Six hundred into Twenty milimetres) C.P. brass Towel rail ISI marked is No. 8934 of Jal/ESS ESS complete with C.P. brass brackets fixed to wooden plugs with C.P. brass including entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as directed by the Engineer-Incharge.	2	Description of items
6 Numbers	48.80 Running metres	2 Numbers	1 Number	2 Numbers	2 Numbers	1 Number	2 Numbers	Number	Number	1 Number	w	Quantity
						•			·		4	In fig
											5	Rate In words
Each	Per running metre	Each	Each	Each	Each	Each	Each	Each	Each	Each	6	Unit
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	TOTAL:-	TC			
				leads, IIIIs and other incidentats as per spectifications, approved diawing, design and as director of the engineer in view ever	
			all Numbers		
	Each		2	39 Providing and fixing 15mm (Fifteen milimetres) nominal bore ISI marked or its equivalent PVC connection pipe with	39
				directed by the Engineer-Incharge.	
			Number	entire carriage of material within all leads, lifts and other incidentals as per specification approved drawing, design and as Number	
	Each		-	38 Providing and fixing PTMT jet spray of approved quality with 1.5 mtr. (One point five metre) tube complete, including	38
				specification approved drawing, design and as directed by the Engineer-Incharge.	
			per Numbers	included in the items complete, including entire carriage of material within all leads, lifts and other incidentals as per	
	Each		2	37 Providing and fixing 15mm (Fifteen millimetres) G.I./M.I. Union ISI marked or its equivalent of following sizes where not	37
7	6	5	3 4	2	7
		ig In words	In fig		2
Amount	Unit	Rate	Quantity	Description of items	S

Executive Engineer,
Jawalamikhi Division,
A.P.P.W.D., Jawalanantkhi.

# SCHEDULE OF QUANTITY

NAME OF WORK :-

SUB-HEAD :-

Jawalamukhi to Chambapattan road Km 0/000 to 10/565 in Distt. Kangra (H.P.). Providing and laying interlocking paver block at RD 0/460 to 0/530

TIME LIMIT

THREE MONTHS

10000.00 499964.00

**EARNEST MONEY:-**ESTIMATED COST: -

Rs.

		2	1	I	No.	Š
	as per drawings and Technical Specification Clause 1504 of ISI make including 4mm (Four millimetres) thick levelling course of sand including excavation and locking with cement concrete M-30 (M-Thirty) complete as per direction of Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	Providing and laying 80mm (Eighty milimetres) thick Interlocking Concrete Paver Block ISI make	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level laying with 1:4:8 (One Cement : Four coarse sand) : Eight graded stone aggregate 40mm (Forty millimetre) nominal size complete as per direction of Engineer-in-Charge including carriage of material within all leads, lifts and other incidentals.	2		
	Square metres	346.87	26.25 Cubic meters	3		Quantity
				4	In fig.	
				5	In words	Rate
TOTAL: -	Square metre	Per	Per cubic metre	6		Unit
				7		Amount

Jawalmukhi Division, H.P.P.W.D., Jawalamukhi. Executive Engineer,