

Himachal Pradesh
Public Works Department

NO/PW/PNH/AB/Tender/2021-
To

4037-39

Dated:- 16/11/21


The Executive Engineer (IT cell),
Nigam Vihar, Shimla-2.

Subject:-

Publication of tender Notice.

Enclosed please find herewith the Tender Notice of the works as given in the Notice Inviting Tender for uploading on department website as per notification Pr. Secy (PW) to the Govt. of HP letter No. PBW (B) A (3) 1/2020 dated Shimla-2 the 16th July 2021 as the work mentioned in the tender notice are urgent in nature and in public interest.

DA:- NIT & Schedule of quantity and Certificate.


Executive Engineer,
National Highway Division,
HPPWD Pandoh.

Copy forwarded to the Superintending Engineer, NH Circle, HPPWD Shahpur for information please.

Copy forwarded to the Computer Cell O/O Executive Engineer (IT Cell), Nigam vihar, Shimla-2 for information and further necessary action please.


Executive Engineer,
National Highway Division,
HPPWD Pandoh.

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

Sealed item rate tenders on form No. 6&8 are hereby invited by the Executive Engineer, NH Division, HPPWD, Pandoh for the following works on behalf of the Governor of Himachal Pradesh from the eligible contractors enlisted in HPPWD so as to reach in this office as per time schedule given below:-

1. Date of receipt of Applications for tender forms: - 25.11.2021 upto 3.00 PM
2. Date of issue/sale of Tender forms: - 26.11.2021 upto 5.00 PM
3. Date of receipt of Tender: - 27.11.2021 upto 11.00 AM
4. Date of opening of Tender: - 27.11.2021 at 11.30 AM

Sr. No.	Name of work	Estimated cost	Earnest money	Cost of form	Time Period for completion	Form No.	Eligibility of Contractors
1	A/R & M/O of Sainj-Luhari-Anni-Jalori-Banjar-Aut road NH 305 Km. 53/0 to 97/0 (SH: - Construction of PCC R/Wall at RD 65/225.50 to 65/231).	Rs. 4,02,095/-	Rs. 8100/-	Rs. 350/-	Two Months	6&8	Class C & D enlisted in HPPWD
2	A/R & M/O of Sainj-Luhari-Anni-Jalori-Banjar-Aut road NH 305 Km. 53/0 to 97/0 (SH: - Supply & fixing high intensity Engineering grade prismatic sheeting on the front side of existing W-metal beam crash barrier Km. 53/0 to 63/0).	Rs. 1,29,250/-	Rs. 2600/-	Rs. 350/-	One Month	6&8	-do-
3	A/R & M/O of Sainj-Luhari-Anni-Jalori-Banjar-Aut road NH 305 Km. 53/0 to 97/0 (SH: -Hiring of JCB/Excavator-cum-loader for removal of snow/glaciers, slips, debries, dressing of berm & cleaning of drains etc. in between Km. 53/0 to 55/0 winter session for the years 2021-22).	Rs. 1,02,310/-	Rs. 2100/-	Rs. 350/-	One Month	6&8	-do-
4	A/R & M/O of Sainj-Luhari-Anni-Jalori-Banjar-Aut road NH 305 Km. 53/0 to 97/0 (SH: -Hiring of JCB/Excavator-cum-loader for removal of snow/glaciers, slips, debries, dressing of berm & cleaning of drains etc. in between Km. 55/0 to 63/0 winter session for the years 2021-22).	Rs. 1,02,310/-	Rs. 2100/-	Rs. 350/-	One Month	6&8	-do-
5	A/R & M/O of Sainj-Luhari-Anni-Jalori-Banjar-Aut road NH 305 Km. 53/0 to 97/0 (SH:- Supplying and stacking of course sand for spreading on ice/freezing points in between Km. 53/0 to 63/0).	Rs. 60,000/-	Rs. 1200/-	Rs. 350/-	Two Months	6&8	-do-
6	A/R & M/O of Sainj-Luhari-Anni-Jalori-Banjar-Aut road NH 305 Km. 53/0 to 97/0 (SH:- Hiring of Tipper for removal of slips/Muck/debries at various Km. 63/0 to 94/0 for the year 2021-22).	Rs. 66,000/-	Rs. 1300/-	Rs. 350/-	15 Days	6&8	-do-
7	A/R & M/O on bye passed portion for Kullu to Manali section of NH-21 (old) New-03 from Kullu to Manali Km. 270/0 to 309/345 (SH- Construction of PCC Breast wall in portion 307/410 at RD 0/000 to 0/002 and 0/078 to 0/093 against OFC deposit).	Rs. 4,28,915/-	Rs. 8600/-	Rs. 350/-	Two Months	6&8	-do-

8	A/R & M/O on bye passed portion for Kullu to Manali section of NH-21 (old) New-03 from Kullu to Manali Km. 270/0 to 309/345 (SH- Construction of PCC Toe wall in portion 307/410 for closed the existing culvert in U/S, and velly side wall at RD 0/000 to 0/005 against OFC deposit).	Rs. 4,60,319/-	Rs. 9300/-	Rs. 350/-	Two Months	6&8	-do-
9	A/R & M/O on bye passed portion for Kullu to Manali section of NH-21 (old) New-03 from Kullu to Manali Km. 270/0 to 309/345 (SH- Construction of PCC Toe wall in portion 307/410 for closed the existing culvert in D/S, V-shape drain at RD 0/028 to 0/078 and U-shape drain in 20 metre length against OFC deposit).	Rs. 4,98,661/-	Rs. 10000/-	Rs. 350/-	Two Months	6&8	-do-

TERMS & CONDITIONS: - The tender documents shall be issued to those contractors/firms who fulfil the following documents with the application:-

1. The valid enlistment/registration of contractor in appropriate class.
2. Permanent Account Number (PAN).
3. GST Number.
4. Earnest money in the shape of National saving certificate/Time deposit Account in any of the Post office in HP. FDR from any Nationalized Bank (i/c Kangar Central Cooperative Bank and CD Cooperative Society) duly pledged in favour of the Executive Engineer.
5. The earnest money & cost of tender form for the above works should be submitted with the application for the purchase of the tender forms. The application received without earnest money & cost of tender form shall summarily be rejected.
6. Tax Clearance Certificate (T.C.C.) issued from the concern ed Exercise and Taxation department.
7. Ambiguous/telegraphic/conditional tenders or tender by fax/E-mail shall not be entertained/considered and will summarily be rejected.
8. Executive Engineer reserves the right to reject or cancel any or all the tenders without assigning any reasons.
9. The offer of the tender shall remain valid upto 120 days after the opening of tender.
10. If the date given above happens to be a holiday, the same shall be processed on next working days.
11. The contractors/firm must quote their rates in words as well as in figures failing which Xen reserves the right to accept/reject any or all tenders.
12. The Tender form will not be issued to those contractors/firms whose previous performance is not found satisfactory and who have not executed/completed the previous awarded works within the stipulated period of completion.
13. One contractor should not have more than two major works in hand at a time.
14. Work should be completed by the contractor within the stipulated period.
15. Works completion and work in hand certificate issued by the concerned Executive Engineer must be attached with the application for issue of tender form.

Qusef
Executive Engineer,
National Highway Division,
HP.PWD Pandoh.

For and on behalf of the Governor of HP.

NO/PW/PNH/AB/Tender/2021- *3948-4036*

Dated:- *16/11/21*

Copy forwarded for information and necessary actions to:-

1. The Engineer-in-Chief, HP.PWD, Nigam Vihar, Shimla.
2. The Chief Engineer, NH HP.PWD Shimla-2.
3. The Superintending Engineer, NH Circle, HPPWD Shahpur. It is requested to display the notice on the Notice Board please.
4. All the Superintending Engineers/Executive Engineers in HP.PWD.
5. The Deputy Commissioner, Mandi and Kullu. It is requested to display the notice on Notice Board.
6. The Tehsildar, Sadar, Kotli, Dharmpur, Balichowki and Banjar. It is requested to display the notice on Notice Board
7. The B.D.O Sadar, Dharmpur, Balichowki and Banjar. It is requested to display the notice on Notice Board.
8. All Assistant Engineers working under this Division. It is requested to display the notice on Notice Board.
9. Correspondence Branch/Drawing Branch/Notice board.
10. Lok Mitra, Pandoh.
11. Various Contractors/Firms.

Qusef
Executive Engineer,
National Highway Division,
HP.PWD Pandoh.

Schedule of quantity

Estimated Cost:- Rs.4,02,095/-
 Earnest money:- Rs.8100/-
 Time allowed:- Two month.
 Name of Work:-A/R & M/O onSainj-Luhari- Anni-Jalori-Banjar-Aut Road NH-305 Km 53/000 to 97/000.(Sub-Head:-Construction of P.C.C.Retaining wall at R.D.65/225.50 to 65/231)

Sr. No.	Description of item	Quantity	Rate		Unit	Amount
			In Figure	In words		
1	Earth work in excavation for all kinds of soil by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m(one point five metre) in width or 10 sqm(ten squaremetre) 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 soil , within all leads, lifts, carriage of material and other incidental complete in all respect as per direction of Engineer-in-Charge.	35.36 Cubic metre			Per cubic metre	
2	Centering and shuttering including strutting, propping etc. and removal of form work for :Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc .within all leads, lifts, carriage of material and other incidental.	95.53 Square metre			Per square metre	
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :1:3:6 (One Cement : Three coarse sand): Six graded stone aggregate 40 mm(forty millimetre nominal size)within all leads, lifts, carriage of material and other incidental.	65.19 Cubic metre			Per cubic metre	
4	Providing and laying weep holes in stone, brick masonry, plain/reinforced concrete abutments/wing walls/return walls, breast walls and retaining walls with 100 mm (one hundred millimetre) diameter PVC pipe, extended through the full width of the structure with slope of IV:20 H(One vertical isto twenty horizontal) towards drawing face complete as per drawing and MORT&H technical specification No.2706 and 2200 (5th revision- 2013) including head load or mechanical means including haulage of materials in all leads and lifts with all modes of transportation and as per the direction and entire satisfaction of Engineer-in-Charge.	20.00 Nos			Each	
5	Providing and laying back filling with granular material behind abutment, wing wall, return wall, retaining wall and breast wall including compaction complete as per drawings & MORT&H technical specification No. 710.1.4 of IRC:78 and 2200 (5th revision- 2013) including head load or mechanical means including haulage of materials in all leads and lifts with all modes of transportation and as per the direction and entire satisfaction of Engineer-in-Charge.	4.98 Cubic metre			Per cubic metre	
					Total:-	

Executive Engineer,
 National Highway Division,
 HP/PMU, Pandoh.

2

Schedule of quantity

Estimated Cost:- 1,29,250/-
Earnest money:- Rs. 2600/-
Time allowed:- One Month.

Name of work:- A/R & M/O Saini-Luhari-Anni-Jalori-Banjar-Aut road NH-305 section Km 53/000 -63/000 (SH:- Supply & ~~fixing~~ high intensity Engineering grade prismatic sheeting on the front side of existing W--metal beam crash barrier KM 53/00 to 63/000.

Sr. No.	Description of item	Quantity	Rate		Unit	Amount
			In Figure	In words		
1	Supply & stacking of high intensity engineering grade prismatic sheeting on the front side of the road existing W-metal beam crash barrier 300mm x 450mm (three hundred into four hundred fifty millimeter) yellow and white colour with arrangement be fixed on crash abriier for easy visibility at night complete in all respect i/c including carriage of material within all leads and lifts complete including entire satisfaction of Engineer-in-Charge.	550.00	Running metre		Per running metre	
					Total:-	

Qest
Executive Engineer,
National Highway Division,
HP PWD, Pandoh.

3

3

Schedule of quantity

Name of work:- A/R & M/O on Sainj- Luhri- Anni- Jalori- Banjar- Aut Road NH-305 Km. 53/0 to 97/0 SH:- Hiring of J.C.B./Excavator-cum-Loader for removal of Snow/glaciers, slips , debries , dressing of berm & cleaning of drains etc. in between Km. 53/000 to 55/000 winter session for the years 2021-22)

Estimated Cost:- Rs.1,02,310
Earnest money:- Rs.2100.00
Time allowed:- One Month

Sr. No.	Description of item	Quantity		Rate		Unit	Amount
		In Figure	In words	In Figure	In words		
1	Hiring of J.C.B./ Excavator-cum- loader for removal of slips , debries , dressing of berm, cleaning of choked drains, catch pits etc. and disposing of all materials from the road surface up to any leads and lifts in emergent cases as and when required or as per direction of Engineer -in Charge. The machine/JCB should work six hours daily and removed twenty five cubic metre quantity of soil per hour and any loss of public property and accident etc. the contractor is fully responsible during the execution of work. The fuel/POL charges and operational staff for the machine will be provided by the owner. The repair & other incidental charges of machinery during the execution of work will be borne by the contractor. The useful material shall be stacked along the road side as per direction of Engineer-in-charge.	130.00	Hour			Per Hour	
						Total:-	

[Signature]
Executive Engineer
National Highway Division
BWD, Pandoh

4

Name of work:- A/R & M/O on Sainj- Luhri- Anni- Jalori- Banjar- Aut Road NH-305 Km. 53/0 to 97/0 SH:- Hiring of J.C.B./Excavator-cum-Loader for removal of Snow/glaciers, slips, debris, dressing of berm & cleaning of drains etc. in between Km. 55/000 to 63/000 winter session for the years 2021-22)

Estimated Cost:- Rs.1,02,310
Earnest money:- Rs.2100.00
Time allowed:- One Month

Schedule of quantity

Sr. No.	Description of item	Quantity		Rate		Unit	Amount
		In Figure	In words	In Figure	In words		
1	Hiring of J.C.B./ Excavator-cum- loader for removal of slips, debris, dressing of berm, cleaning of choked drains, catch pits etc. and disposing of all materials from the road surface up to any leads and lifts in emergent cases as and when required or as per direction of Engineer -in Charge. The machine/JCB should work six hours daily and removed twenty five cubic metre quantity of soil per hour and any loss of public property and accident etc. the contractor is fully responsible during the execution of work. The fuel/POL charges and operational staff for the machine will be provided by the owner. The repair & other incidental charges of machinery during the execution of work will be borne by the contractor. The useful material shall be stacked along the road side as per direction of Engineer-in-charge.	130.00	Hour			Per Hour	
						Total:-	


Executive Engineer
National Highway Division
H.P.W.D., Pandoh

4


Schedule of quantity

Earnest money:- Rs. 1200/-

Time allowed:- Two Months.

Name of work:- A/R & M/O Sainji-Luhari-Anni-Jalori-Banjar-Aut road NH-305 Km. 53/0 to 97/0 (SH:- Supplying and stacking of course sand for spreading on ice/freezing points in between Km. 53/000 to 63/000).

Sr. No.	Description of item	Quantity	Rate		Unit	Amount
			In Figure	In words		
1	Supply & stacking sand/fine aggregate of approved quality, shall consist of clean, hard, strong and durable pieces or a suitable combination of natural sand and shall not contain dust, lumps, soft or flaky materials, mica or other deleterious materials conforming to I.S. - 383 or I.S. 2116-1980 (Latest revision) MORT&H specifications Aug. 2004 (latest revision) clause 802.4 or 510.2.3 for at site as required and as per direction in all respect i/e including carriage of material within all leads and lifts complete including entire satisfaction of Engineer-in-Charge.	200.00	Per Cubic metre		Per Cubic metre	
					Total:-	


Executive Engineer,
National Highway Division,
HP PWD, Pandoh.

6

Schedule of quantity

Name of work:- A/R & M/O on Sainj-Luhari-Anni-Jalori-Banjar-Aut road NH-305 Km. 53/0 to 97/0 (SH:-
Sub Head:- Hiring of Tipper for removal of slips/Muck/debries at various Km. 63/000 to 94/000 for the
year. 2021-22.

Estimated Cost:- Rs.66000
Earnest money:- Rs.1300.00
Time allowed:- 15 days

Sr. No.	Description of item	Quantity		Rate		Unit	Amount
		In Figure	Hour	In words		Per Hour	
1	Hiring of tipper in good running condition of minimum 5.50 cubic metre carriage capacity on daily basis from 9.00A.M. to 5.00P.M with hydraulic facility, Jack facility for removal of slips including P.O.L. charges and wages of driver and other staff as per direction and entire satisfaction of Engineer-in-charge.	40.00					
						Total:-	

Asst. Eng.
Executive Engineer
National Highway Division
HPBWD, Pandoh

6

7

Schedule of quantity

Estimated Cost:- Rs. 4,28,915/-
Earnest money:- Rs.8600/-
Time allowed:- Two months

Name of work:- A/R & M/O on bye passed portion for Kullu to Manali section of NH-21 (Old) New -03 from Kullu to Manali Km 270/000 to 309/345 (SH):-
Construction of PCC Breast wall in portion 307/410 at RD 0/000 - 0/002 and 0/078-0/093 against OFC deposit

Sr. No.	Description of item	Quantity	Rate		Unit	Amount
			In Figure	In words		
1	Excavation in soil in hilly area by manual means including cutting and trimming of side slopes and disposing of excavated earth with a lift upto 1.5 mm and a lead upto 20 mm as per drawing and Technical Specification clause 1603.1 of MORTH specification including head load or mechanical means including haulage of materials in all leads and lifts with all modes of transportation and as per the direction and entire satisfaction of Engineer-in-Charge.	69.90 cubic metre			Per cubic metre	
2	Excavation in earth work in foundation of structure in all kinds of classification of soil such as pick work, jumper work, blasting work saturated soil including chiseling/ wedging out of rock where blasting is prohibited or any other mixed variety of soil including dewatering and/or removal of slush and other incidentals lifts upto any height, stacking the excavated soil upto all leads and lifts clear from the edge of excavation and then returning the stacked soil when required into plinths, sides of foundation etcetra, consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth to the disposal point through all modes of transportation as per drawing and technical specification as per clause 301 of MORTH specification including head load or mechanical means including haulage of materials in all leads and lifts with all modes of transportation and as per the direction and entire satisfaction of Engineer-in-Charge.	23.38 cubic metre			Per cubic metre	
3	Providing and laying cement concrete 1:4:8 (one cement : four sand : eight graded crushed stone aggregate 25mm (twenty five) millimetre nominal size) mechanically mixed and vibrated and curing complete including cost of form work in foundation and plinth and retaining walls/breast walls as per drawing and MORTH specifications (5th revision-2013) including head load or mechanical means including haulage of materials in all leads and lifts with all modes of transportation and as per the direction and entire satisfaction of Engineer-in-Charge.	7.47 cubic metre			Per cubic metre	
4	Providing and laying cement concrete grade M-20(1:2:4) (one cement:two sand :four graded crushed stone aggregate 20mm (twenty millimetre) nominal size) mechanically mixed and vibrated and curing complete including cost of form work in sub-structure of retaining walls/breast walls as per drawing and MORTH specifications (5th revision-2013) including head load or mechanical means including haulage of materials in all leads and lifts with all modes of transportation and as per the direction and entire satisfaction of Engineer-in-Charge.	112.72 cubic metre			Per cubic metre	
5	Providing and laying weep holes in stone, brick masonry, plain/reinforced concrete abutments/wing walls/return walls, breast walls and retaining walls with 100 mm (one hundred millimetre) diameter PVC pipe, extended through the full width of the structure with slope of 1V:20 H towards draining face complete as per drawing and MORTH technical specification No.2706 and 2200 (5th revision- 2013) including head load or mechanical means including haulage of materials in all leads and lifts with all modes of transportation and as per the direction and entire satisfaction of Engineer-in-Charge.	68.00 Nos.			Each	
					Total:-	

Executive Engineer,
National Highway Division,
P.W.D., Pandoh.


8

Schedule of quantity

Estimated Cost:- Rs. 4,60,319/-
Earnest money:- Rs.9300/-
Time allowed:- Two months

Name of work:- A/R & M/O on bye passed portion for Kullu to Manali section of NH-21 (Old) New -03 from Kullu to Manali Km 270/000 to 309/345 (SH:- Construction of PCC Toe wall in portion 307/410 for closed the existing culvert in U/S , and velly side wall at RD 0/000-0/005 against OFC deposit

Sr. No.	Description of item	Quantity	Rate		Unit	Amount
			In Figure	In words		
1	Excavation in earth work in foundation of structure in all kinds of classification of soil such as pick work, jumper work, blasting work, saturated soil including chiseling/ wedging out of rock where blasting is prohibited or any other mixed variety of soil including dewatering and/or removal of slush and other incidentals lifts upto any height, stacking the excavated soil upto all leads and lifts clear from the edge of excavation and then returning the stacked soil when required into plinths, sides of foundation etcetra, consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth to the disposal point through all modes of transportation as per drawing and technical specification as per clause 301 of MORTH specification including haulage of materials in all leads and lifts with all modes of transportation and as per the direction and entire satisfaction of Engineer-in-Charge.	16.20 cubic metre			Per cubic metre	
2	Providing and laying cement concrete 1:4:8 (one cement : four sand : eight graded crushed stone aggregate 25mm (twenty five) millimetre nominal size) mechanically mixed and vibrated and curing complete including cost of form work in foundation and plinth and retaining walls/breast walls as per drawing and MORTH specifications (5th revision-2013) including head load or mechanical means including haulage of materials in all leads and lifts with all modes of transportation and as per the direction and entire satisfaction of Engineer-in-Charge.	8.28 cubic metre			Per cubic metre	
3	Providing and laying cement concrete grade M-20(1:2:4) (one cement:two sand :four graded crushed stone aggregate 20mm (twenty millimetre) nominal size) mechanically mixed and vibrated and curing complete including cost of form work in sub-structure of retaining walls/breast walls as per drawing and MORTH specifications (5th revision-2013) including head load or mechanical means including haulage of materials in all leads and lifts with all modes of transportation and as per the direction and entire satisfaction of Engineer-in-Charge.	93.51 cubic metre			Per cubic metre	
4	Providing and laying back filling with granular material behind abutment, wing wall, return wall, retaining wall and breast wall including compaction complete as per drawings & MORTH technical specification No. 710.1.4 of IRC:78 and 2200 (5th revision- 2013) including head load or mechanical means including haulage of materials in all leads and lifts with all modes of transportation and as per the direction and entire satisfaction of Engineer-in-Charge.	246.40 cubic metre			Per cubic metre	
					Total:-	


Executive Engineer,
National Highway Division,
H.P. EWD, Pandoh.

9

Schedule of quantity

Estimated Cost:- Rs. 4,98,661/-
Earnest money:- Rs. 10000/-
Time allowed:- Two months

Name of work:- A/R & M/O on bye passed portion for Kullu to Manali section of NH-21 (Old) New -03 from Kullu to Manali Km 270/000 to 309/345 (SH):-
Construction of PCC Toe wall in portion 307/410 for closed the existing culvert in D/S, V-shape drain at RD 0/028-078 and U-shape drain in 20 metre length against OFC deposit.

Sr. No.	Description of item	Quantity	Rate		Unit	Amount
			In figure	In words		
1	Excavation in earth work in foundation of structure in all kinds of classification of soil such as pick work, jumper work, blasting work saturated soil including chiseling/ wedging out of rock where blasting is prohibited or any other mixed variety of soil including dewatering and/or removal of slush and other incidentals lifts upto any height, stacking the excavated soil upto all leads and lifts clear from the edge of excavation and then returning the stacked soil when required into plinths, sides of foundation etcetra, consolidating each deposited layer by ramming and watering and then disposing of all surplus excavated earth to the disposal point through all modes of transportation as per drawing and technical specification as per clause 301 of MORTH specification including head load or mechanical means including haulage of materials in all leads and lifts with all modes of transportation and as per the direction and entire satisfaction of Engineer-in-Charge.	53.06	cubic metre		Per cubic metre	
2	Providing and laying cement concrete grade M-20(1:2:4) (one cement:two sand :four graded crushed stone aggregate 20mm (twenty millimetre) nominal size) mechanically mixed and vibrated and curing complete including cost of form work in sub-structure of retaining walls/breast walls as per drawing and MORTH specifications (5th revision-2013) including head load or mechanical means including haulage of materials in all leads and lifts with all modes of transportation and as per the direction and entire satisfaction of Engineer-in-Charge.	143.63	cubic metre		Per cubic metre	
					Total:-	


Executive Engineer,
National Highway Division,
HPBWD, Pandoh.