

HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT

No:-PW-NCD-E-Tender-NIT/2023:- 1600-09

Dated:- 25-5-2023

To


The Executive Engineer (IT Cell),
Nirman Bhawan, Nigam Vihar, Shimla-2

Subject: - Publishing of tender Notice.

Dear Sir,

Enclosed please find herewith the tender Notice of work as given in the Notice Inviting Tender for uploading on Department website as per Notification No. Principal Secretary (PW), to the Govt. of H.P. 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: - Notice Inviting Tender.
(30 Nos. Works)


Executive Engineer,
HP.PWD., Division,
Nerchowk.

Copy forwarded to for information:-

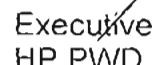
Copy forwarded to the Superintending Engineer, 1st Circle, HP.PWD., Mandi for information please.

Copy to all the Assistant Engineers, working under this Division.

Copy to Account Branch in this office.

Copy to Drawing Branch in this office.

Notice Board.


Executive Engineer,
HP.PWD., Division,
Nerchowk.

**HIMACHAL PRADESH
PUBLIC WORKS DEPARTMENT**

"NOTICE INVITING TENDER"

Sealed Percentage rate tender on form "6&8" are invited by the Executive Engineer, Nerchowk, H.P.P.W.D. Nerchowk for the following work from the approved and eligible contractors enlisted in H.P.P.W.D. so as to reach in his office on or before 07.06.2023 upto 11.30 A.M. and will be opened on the same day at 3.00 P.M. in the presence of interested contractors or their authorized representatives who may like to be present. If it happen to be holiday on the tender will be open on next working day. The application for obtaining the tender form will be received up to 11:00 A.M. on 05.06.2023 and EMD should be attached during the submission of application for obtaining the tender form, without Earnest Money & Cost of tender form, application will not be accepted

The earnest money in the shape of FDR National Saving Certificate/Time deposit accounts/Saving account in any of the Post Office and Banks of Himachal Pradesh duly pledged in favour of the Xen must accompany with each tender. Conditional tender and the tender received without earnest money will summarily be rejected. The earnest money should be attached with application. The offer of the tender shall be kept open for 90 days. The Executive Engineer reserves the right to reject the tender without assigning any reason:-

Sr. No	Name of work	Estimated Cost (Rs.)	Earnest Money (Rs.)	Cost of Tender Form (Rs.)	Time limit	Eligible Class of Contractor
1	A/R & M/O Malihehar bypass road km. 0/00 to 1/045. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 0/00 to 0/700), A/R & M/O Galma to Manjhyali road km. 0/00 to 9/00. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 4/00 to 6/00) and A/R & M/O Sidhyani Balt via Dahnoo road km. 0/00 to 9/700. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 0/00 to 7/00)	405343.00	8200	350	One Month	"D"
2	A/R & M/O Chhol to Sanehara road km. 0/0 to 2/500. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 1/900 to 2/260) & A/R & M/O Shimla Mandi via Tattapani road km. 181/400 to 186/200 (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 181/400 to 186/200).	373041.00	7500	350	One Month	"D"
3	A/R & M/O Mandi Gagal Chailchowk Janjehli Chattri Rana Ka Bag Nagan road km. 0/00 to 16/190. (SH:- P/L G-III for correction layer and Repair of Pot Holes in km. 0/00 to 1/00, 6/190 to 8/00 and 15/00 to 16/190). A/R & M/O Raigarh to Koyla Mata Mandir road km. 0/0 to 1/920. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 0/00 to 1/920) & A/R & M/O Bhiura Stoh Dhaul road km. 0/0 to 1/800. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 0/00 to 1/800)	490283.00	9900	350	One Month	"D"
4	A/R & M/O Gutkar Behna Tikkar Malwana Badhyal road km. 0/0 to 5/510. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 0/00 to 2/300, 3/00 to 5/510) & A/R & M/O Behna Ropa Badidhar Kheli Nallah Thoru to Galluri road km. 0/0 to 5/500. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 0/00 to 1/00)	363611.00	7300	350	One Month	"D"
5	A/R & M/O Majhyali Ghaur Sardhwar KothiGehri Batahan road km. 0/00 to 13/00. (SH:- Repair of Pot Holes i/c correction layer in km. 0/00 to 4/00 & 6/00 to 11/00) & A/R & M/O Jakdohal Batahan road km. 0/00 to 2/00. (SH:- Repair of Pot Holes i/c correction layer in km. 0/00 to 2/00)	418313.00	8400	350	One Month	"D"
6	A/R & M/O Sahied Sarwan Kumar road km. 0/00 to 0/500. (SH:- Repair of Pot Holes including correction layer in km. 0/00 to 0/500)	100360.00	2100	350	One Month	"D"
7	A/R & M/O Majhyali Ghaur Sardhwar KothiGehri Batahan road km. 0/00 to 13/00. (SH:- Repair of Pot Holes i/c correction layer in km. 11/00 to 13/00)	338197.00	6800	350	One Month	"D"
8	A/R & M/O Talahar Pingla Thana Dharampur Sarkaghat road km. 11/00 to 22/645. (SH:- Repair of Pot Holes i/c correction layer in km. 11/00 to 22/645)	349680.00	7000	350	One Month	"D"
9	A/R & M/O various roads under Chakkar Sub Division HPPWD Nerchowk (Gagal Section). (SH:- Hiring of JCB clearing of debris drain and dressing of berms etc.)	149100.00	3000	350	Two Months	"D"
10	Restoration of road damages caused due to laying of OFC on Sidhyani Balt via Dahanoo road km. 0/00 to 9/495. (SH:- Providing and laying Concrete paver blocks in km. 9/283 to 9/333)	354798.00	7100	350	Two Months	"D"
11	A/R & M/O various roads under Chakkar Sub Division HPPWD Nerchowk (Gagal section) (SH:- Hiring of JCB clearing of debris drains and dressing of berms etc.) Job No. 2	149100.00	3000	350	Two Months	"D"
12	A/R & M/O various roads under Chakkar Sub Division HPPWD Nerchowk (Ratti section) (SH:- Hiring of JCB clearing of debris drains and dressing of berms etc.)	149100.00	3000	350	Two Months	"D"
13	A/R & M/O various roads under Chakkar Sub Division HPPWD Nerchowk (Ratti Section) Consultancy for construction of 45.00 mtr. span box girder bridge over Ratti Khad at Chauhata Place. (SH:- C/O 45.00 mtr. span PSC Box girder bridge including both side approaches)	472000.00	9500	350	Two Months	"D"

14	RRD on various roads in Sardhar Section under Rewalsar Sub Division. (SH:- Hiring of earth cutting/ excavation machine for removal of slips and clearance of catchpits & drain)	132300.00	2600	350	Two Months	"D"
15	RRD on various roads in Rewalsar Section under Rewalsar Sub Division. (SH:- Hiring of earth cutting/ excavation machine for removal of slips and clearance of catchpits & drain)	132300.00	2600	350	Two Months	"D"
16	RRD on various roads in Leda Section under Rewalsar Sub Division. (SH:- Hiring of earth cutting/ excavation machine for removal of slips and clearance of catchpits & drain)	132300.00	2600	350	Two Months	"D"
17	A/R & M/O various roads in Leda Section under Rewalsar Sub Division. (SH:- Hiring of Tractor with trolley for carriage of muck/debris/atone boulders etc.)	100886.00	2000	350	Three Months	"D"
18	Construction of Kalkhar Galoo to Noundhar Upper Dibhri, Lower Dibhri Bhout Sidhyani road km.0/0 to 5/0. (SH:- C/O 900mm dia RCC hump pipe culvert at RD. 2/735)	174521.00	3500	350	Two Months	"D"
19	RRD due to laying of optical fibre cable on Ratti kalkhar road km 0/00 to 10/00. (SH:- C/O Unlined drain in km. 4/00 to 7/00 in various reaches) Deposit work	222467.00	4500	350	Two Months	"D"
20	RRD on various roads under Chakkar Sub Division, H.P.PWD, Nerchowk (SH:- Hiring of Tractor with trolley for carriage of muck/debris and shifting of material etc. (Ratti section)	100886.00	2017	350	Three Months	"D"
21	RRD on Ratti Randhara road km. 0/00 to 9/00. (SH:- C/O PCC Retaining wall at RD. 7/630 to 7/641) Deposit work	199751.00	4000	350	Two Months	"D"
22	Restoration of road damages caused due to laying of OFC on Ratti Meramasit Leda road km. 0/00 to 14/580 (SH:- Metalling and Tarring portion in km. 0/685 to 0/760)	464316.00	9300	350	Two Months	"D"
23	Restoration of road damages caused due to laying of OFC on Ratti Meramasit Leda road km. 0/00 to 14/580. (SH:- Metalling and Tarring portion in km. 0/760 to 0/835)	464316.00	9300	350	Two Months	"D"
24	Construction Rain Shelter on Ratti Meramasit Leda road km. 0/0 to 14/580. (SH:- C/O Rain Shelter at Meramasit at RD. 5/730)	358180.00	7200	350	Three Months	"D"
25	A/R & M/O various roads under jurisdiction Chakkar Sub Division HPPWD Nerchowk. (SH:- Hiring of Tipper for carriage of muck/debris/and shifting of material etc. (Gagal Section)	148960.00	3000	350	Two Months	"D"
26	A/R & M/O on Una Aghar Barsar Jahu Bahmbra Nerchowk road Km. 113/00 to 126/300 (SH:- P/L granular Subbase, Wet mix macadam (in varios reaches) & Bituminous concrete in Km. 121/00 to 121/200).	485274.00	9750	350	One Month	"D"
27	A/R & M/O on Una Aghar Barsar Jahu Bahmbra Nerchowk road Km. 113/00 to 126/300 (SH:- P/L granular Subbase, Wet mix macadam (in varios reaches) & Bituminous concrete in Km. 121/300 to 121/450).	487161.00	9800	350	One Month	"D"
28	A/R & M/O on Una Aghar Barsar Jahu Bahmbra Nerchowk road Km. 113/00 to 126/300 (SH:- P/L granular Subbase, Wet mix macadam (in varios reaches) & Bituminous concrete in Km. 121/500 to 121/651).	490026.00	9850	350	One Month	"D"
29	A/R & M/O on Una Aghar Barsar Jahu Bahmbra Nerchowk road Km. 113/00 to 126/300 (SH:- P/L granular Subbase, Wet mix macadam (in varios reaches) & Bituminous concrete in Km. 121/700 to 121/853 (Valley Side)	497694.00	10000	350	One Month	"D"
30	A/R & M/O on Una Aghar Barsar Jahu Bahmbra Nerchowk road Km. 113/00 to 126/300 (SH:- P/L granular Subbase, Wet mix macadam (in varios reaches) & Bituminous concrete in Km. 121/700 to 121/850 (Hill Side)	463767.00	9300	350	One Month	"D"

It is certified that the above tenders are of very "Urgent Nature" and required to be executed immediately in large public interest so may be uploaded on department website.

Note:- The Contractors/Firms should possess the following documents (Photo copy to be attached).

1. The Contractor/Firm should be enlisted with the HP.PWD. & Registration/Renewal copy attached.
2. The tender forms will not be issued to those contractors whose performance is not found satisfactory
3. The list of similar type of work executed and work done performance certificate issued by the concerned Executive Engineer required to be produced by the contractor along with application.
4. Only two tenders shall be issued to each contractor.
5. The contractor will not have more than two works in hand at the time of tender and only up to completion of work satisfactory including adherence to quality parameters further work will be awarded to him. All under taking/affidavit alongwith application that he is not having more than two works in hand in HP.PWD for execution failing which the application for issuing the tender forms shall not be accepted.
6. The contractor/firm shall be issued tenders on the production of valid GST/income tax clearance certificate
7. As per Govt. Notification No.PBW (B)A(3)1/2020-I dated 07.10.2021, in case the tendered amount of the lowest bidder comes more than 5% in 1st call the negotiation can be conducted with him but the negotiated amount should remain within 5% of the amount put to tender (on market rate) and tendered amount below 30% of the estimated cost will be summarily accepted.

Executive Engineer,
HP.PWD. Division,
Nerchowk.

DMT No. 64

①

DRAFT SCHEDULE OF QUANTITY

Name of work :- A/R & M/O Matthehar bypass road km. 0/00 to 1/045. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 0/00 to 0/700), A/R & M/O Galma to Manjhyali road km. 0/00 to 9/00. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 4/00 to 6/00) and A/R & M/O Sidhyani Balt via Dahnoo road km. 0/00 to 9/700. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 0/00 to 7/00)

Estimated Cost :- 405343.00/-

Earnest Money :- 8200.00/-

Time :- One month

S.No	Description of item	Quantity	Rate with all taxes including GST in Rs. P.		Unit	Total amount with all taxes including GST in Rs. P.
			In figure	In word		
1	2	3	4	5	6	7
1	Providing, laying, spreading and compacting stone aggregate of sizes 53mm to 22.40mm (fifty three to twenty two point four millimetres) to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN (eighty by hundred Kilo Newton) in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading-III by manual means as per technical specification Clause 405 including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	31.70	2290.00	Rupees Two Thousand Two Hundred Ninety Only	Pcum	72593.00
2	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.(Rate is Exclusive of cost of Emulsion (RS-I) and will be provided by the Department)including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	1625.95	4.10	Rupees Four and Paise Ten Only	Psqm	6666.00
3	Providing Laying and rolling of closed graded premix surfacing material of 20mm thickness composed of 11.2mm to 0.9mm(type - A) 13.2mm or 0.9mm (type-B) aggregates using bitumen to required line , grade and level to serve as wearing course on previously prepared base including mixing in a suitable plant , laying and rolling with a three wheel roller 8-10KN static roller and finishing to required level and grade as per technical specification clause 509 (Rate is Exclusive of cost of Bitumen (VG-10) and will be provided by the Department).including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	1625.95	200.55	Rupees Two Hundred and Paise FiftyFive Only	Psqm	326084.00
					Total	405343.00

Draft schedule of quantity of work for 4,05,343/-

Executive Engineer
Nerchowk Division
HPPWD Nerchowk

DRAFT SCHEDULE OF QUANTITY

Name of work :- A/R & M/O Chhol to Sanehara road km. 0/0 to 2/500. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 1/900 to 2/260) & A/R & M/O Shimla Mandi via Tattapani road km. 181/400 to 186/200. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 181/400 to 186/200).

Estimated Cost :- 373041.00/-

Earnest Money :- 7500.00/-

Time :- One month

S.No	Description of Item	Quantity	Rate with all taxes including GST in		Unit	Total amount with all taxes including GST in Rs. P.
			In figure	In word		
1	2	3	4	5	6	7
1	Providing, laying, spreading and compacting stone aggregate of sizes 53mm to 22.40mm (fifty three to twenty two point four millimetres) to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN (eighty by hundred Kilo Newton) in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading-III by manual means as per technical specification Clause 405 including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	23.96	2290.00	Rupees Two Thousand Two Hundred Ninety Only	Pcum	54868.00
2	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.(Rate is Exclusive of cost of Emulsion (RS-I) and will be provided by the Department)including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	1554.72	4.10	Rupees Four and Paise Ten Only	Psqm	6374.00
3	Providing Laying and rolling of closed graded premix surfacing material of 20mm thickness composed of 11.2mm to 0.9mm(type - A) 13.2mm or 0.9mm (type-B) aggregates using bitumen to required line , grade and level to serve as wearing course on previously prepared base including mixing in a suitable plant , laying and rolling with a three wheel roller 8-10KN static roller and finishing to required level and grade as per technical specification clause 509 (Rate is Exclusive of cost of Bitumen (VG-10) and will be provided by the Department).including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	1554.72	200.55	Rupees Two Hundred and Paise FiftyFive Only	Psqm	311799.00
					Total	373041.00

Draft schedule of quantity approved for 2 3,73,041/-

Executive Engineer
Nerchowk Division
HPPWD Nerchowk

DNIT S.No : 63

(2)

DRAFT SCHEDULE OF QUANTITY

Name of work :- A/R & M/O Mandi Gagai Chailchowk Janjehli Chattri Rana Ka Bag Nagan road km. 0/00 to 16/190. (SH:- P/L G-III for correction layer and Repair of Pot Holes in km. 0/00 to 1/00, 6/190 to 8/00 and 15/00 to 16/190). A/R & M/O Rajgarh to Koyla Mata Mandir road km. 0/0 to 1/920. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 0/00 to 1/920) & A/R & M/O Bhiura Stoh Dhaul road km. 0/0 to 1/800. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 0/00 to 1/800)

Estimated Cost :- 490283.00/-

Earnest Money :- 9900.00/-

Time :- One month

S.No	Description of item	Quantity	Rate with all taxes including GST in		Unit	Total amount with all taxes including GST in Rs. P.
			Rs. P	In word		
1	2	3	4	5	6	7
1	Providing, laying, spreading and compacting stone aggregate of sizes 53mm to 22.40mm (fifty three to twenty two point four millimetres) to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN (eighty by hundred Kilo Newton) in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading-III by manual means as per technical specification Clause 405 including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	29.89	2290.00	Rupees Two Thousand Two Hundred Ninety Only	Pcum	68448.00
2	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.(Rate is Exclusive of cost of Emulsion (RS-I) and will be provided by the Department)including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-In-Charge.	2061.25	4.10	Rupees Four and Paise Ten Only	Psqm	8451.00
3	Providing Laying and rolling of closed graded premix surfacing material of 20mm thickness composed of 11.2mm to 0.9mm(type - A) 13.2mm or 0.9mm (type-B) aggregates using bitumen to required line , grade and level to serve as wearing course on previously prepared base including mixing in a suitable plant , laying and rolling with a three wheel roller 8-10KN static roller and finishing to required level and grade as per technical specification clause 509 (Rate is Exclusive of cost of Bitumen (VG-10) and will be provided by the Department).including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	2061.25	200.55	Rupees Two Hundred and Paise FiftyFive Only	Psqm	413384.00
					Total	490283.00

Draft schedule of quantity approved for 4,90,283/- only.

Executive Engineer
Nerchowk Division
HPPWD Nerchowk

DNIT S.No :- 62

(4)

DRAFT SCHEDULE OF QUANTITY

Name of work :- A/R & M/O Gutkar Behna Tikkar Malwana Badhyal road km. 0/0 to 5/510. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 0/00 to 2/300, 3/00 to 5/510) & A/R & M/O Behna Ropa Badidhar Khelli Nallah Thoru to Galturi road km. 0/0 to 5/500. (SH:- Providing and laying WBM G-III for correction layer and repair of Pot Holes in km. 0/00 to 1/00)

Estimated Cost :- 363611.00/-

Earnest Money :- 7300.00/-

Time :- One month

S.No	Description of item	Quantity	Rate with all taxes including GST in		Unit	Total amount with all taxes including GST in Rs. P.
			In figure	In word		
1	2	3	4	5	6	7
1	Providing, laying, spreading and compacting stone aggregate of sizes 53mm to 22.40mm (fifty three to twenty two point four millimetres) to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN (eighty by hundred Kilo Newton) in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading-III by manual means as per technical specification Clause 405 including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	29.14	2290.00	Rupees Two Thousand Two Hundred Ninety Only	Pcum	66731.00
2	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.(Rate is Exclusive of cost of Emulsion (RS-I) and will be provided by the Department)including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	1450.67	4.10	Rupees Four and Paise Ten Only	Psqm	5948.00
3	Providing Laying and rolling of closed graded premix surfacing material of 20mm thickness composed of 11.2mm to 0.9mm(type - A) 13.2mm or 0.9mm (type-B) aggregates using bitumen to required line , grade and level to serve as wearing course on previously prepared base including mixing in a suitable plant , laying and rolling with a three wheel roller 8-10KN static roller and finishing to required level and grade as per technical specification clause 509 (Rate is Exclusive of cost of Bitumen (VG-10) and will be provided by the Department).including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	1450.67	200.55	Rupees Two Hundred and Paise FiftyFive Only	Psqm	290932.00
					Total	363611.00

Draft schedule of quantity approved for 3,63,611/-

Executive Engineer
Nerchowk Division
HPPWD Nerchowk

DNIS.No 22

5

DRAFT SCHEDULE OF QUANTITY						
Name of work :- A/R & M/O Majhyali Ghaur Sardhwar KothiGehri Batahan road km. 0/00 to 13/00. (SH:- Repair of Pot Holes i/c correction layer in km. 0/00 to 4/00 & 6/00 to 11/00) & A/R & M/O Jakdohal Batahan road km. 0/00 to 2/00. (SH:- Repair of Pot Holes i/c correction layer in km. 0/00 to 2/00)				Estimated Cost :- 418313.00/-		
				Earnest Money :- 8400.00/-		
				Time :- One month		
S.No	Description of item	Quantity	Rate with all taxes including GST in		Unit	Total amount with all taxes including GST in Rs. P.
			In figure	In word		
1	2	3	4	5	6	7
1	Providing, laying, spreading and compacting stone aggregate of sizes 53mm to 22.40mm (fifty three to twenty two point four millimetres) to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN (eighty by hundred Kilo Newton) in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading-III by manual means as per technical specification Clause 405 including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	22.41	2290.00	Rupees Two Thousand Two Hundred Ninety Only	Pcum	51319.00
2	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.(Rate is Exclusive of cost of Emulsion (RS-1) and will be provided by the Department)including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	1793.28	4.10	Rupees Four and Paise Ten Only	Psqm	7352.00
3	Providing Laying and rolling of closed graded premix surfacing material of 20mm thickness composed of 11.2mm to 0.9mm(type A) 13.2mm or 0.9mm (type-B) aggregates using bitumen to required line , grade and level to serve as wearing course on previously prepared base including mixing in a suitable plant , laying and rolling with a three wheel roller 8-10KN static roller and finishing to required level and grade as per technical specification clause 509 (Rate is Exclusive of cost of Bitumen (VG-10) and will be provided by the Department).including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	1793.28	200.55	Rupees Two Hundred and Paise FiftyFive Only	Psqm	359642.00
					Total	418313.00

Draft schedule of quantity approved for Rs. 418313.00

Executive Engineer
Nerchowk Division
HPPWD Nerchowk

DNT.S.No 14.

6

DRAFT SCHEDULE OF QUANTITY

Name of work :- A/R & M/O Sahied Sarwan Kumar road km. 0/00 to 0/500. (SH:- Repair of Pot Holes including correction layer in km. 0/00 to 0/500)

Estimated Cost :- 100360.00/-

Earnest Money :- 2100.00/-

Time :- One month

S.No	Description of item	Quantity	Rate with all taxes including GST in		Unit	Total amount with all taxes including GST in Rs. P.
			In figure	In word		
1	2	3	4	5	6	7
1	Providing, laying, spreading and compacting stone aggregate of sizes 53mm to 22.40mm (fifty three to twenty two point four millimetres) to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN (eighty by hundred Kilo Newton) in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading-III by manual means as per technical specification Clause 405 including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	10.00	2290.00	Rupees Two Thousand Two Hundred Ninety Only	Pcum	22900.00
2	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.(Rate is Exclusive of cost of Emulsion (RS-I) and will be provided by the Department)including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	378.50	4.10	Rupees Four and Paise Ten Only	Psqm	1552.00
3	Providing Laying and rolling of closed graded premix surfacing material of 20mm thickness composed of 11.2mm to 0.9mm(type - A) 13.2mm or 0.9mm (type-B) aggregates using bitumen to required line , grade and level to serve as wearing course on previously prepared base including mixing in a suitable plant , laying and rolling with a three wheel roller 8-10KN static roller and finishing to required level and grade as per technical specification clause 509 (Rate is Exclusive of cost of Bitumen (VG-10) and will be provided by the Department).including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	378.50	200.55	Rupees Two Hundred and Paise FiftyFive Only	Psqm	75908.00
					Total	100360.00

Draft Schedule of quantity approved for Rs. 100360.00

Executive Engineer
Nerchowk Division
HPPWD Nerchowk

DRAFT SCHEDULE OF QUANTITY

Name of work :- A/R & M/O Majhyali Gaur Sardhwar KothiGehri Batahan road km. 0/00 to 13/00. (SH:- Repair of Pot Holes i/c correction layer in km. 11/00 to 13/00)				Estimated Cost :- 338197.00/-		
				Earnest Money :- 6800.00/-		
				Time :- One month		
S.No	Description of item	Quantity	Rate with all taxes including GST in		Unit	Total amount with all taxes including GST in Rs. P.
			In figure	In word		
1	2	3	4	5	6	7
1	Providing, laying, spreading and compacting stone aggregate of sizes 53mm to 22.40mm (fifty three to twenty two point four millimetres) to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN (eighty by hundred Kilo Newton) in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading-III by manual means as per technical specification Clause 405 including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	23.51	2290.00	Rupees Two Thousand Two Hundred Ninety Only	Pcum	53838.00
2	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.(Rate is Exclusive of cost of Emulsion (RS-1) and will be provided by the Department)including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	1389.49	4.10	Rupees Four and Paise Ten Only	Psqm	5697.00
3	Providing Laying and rolling of closed graded premix surfacing material of 20mm thickness composed of 11.2mm to 0.9mm(type - A) 13.2mm or 0.9mm (type-B) aggregates using bitumen to required line , grade and level to serve as wearing course on previously prepared base including mixing in a suitable plant , laying and rolling with a three wheel roller 8-10KN static roller and finishing to required level and grade as per technical specification clause 509 (Rate is Exclusive of cost of Bitumen (VG-10) and will be provided by the Department).including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	1389.49	200.55	Rupees Two Hundred and Paise FiftyFive Only	Psqm	278662.00
					Total	338197.00

Draft schedule of quantity approved for 2 338197/-

Executive Engineer
Nerchowk Division
HPPWD Nerchowk

DNIT. S.No!- 13.

(8)

DRAFT SCHEDULE OF QUANTITY

Name of work :- A/R & M/O Talyahar Pingla Thauna Dharampur Sarkaghat road km. 11/00 to 22/645. (SH:- Repair of Pot Holes i/c correction layer in km. 11/00 to 22/645)

Estimated Cost :- 349680.00/-

Earnest Money :- 7000.00/-

Time :- One month

S.No	Description of item	Quantity	Rate with all taxes including GST in		Unit	Total amount with all taxes including GST in Rs. P.
			Rs. P.	In figure In word		
1	2	3	4	5	6	7
1	Providing, laying, spreading and compacting stone aggregate of sizes 53mm to 22.40mm (fifty three to twenty two point four millimetres) to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN (eighty by hundred Kilo Newton) in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading-III by manual means as per technical specification Clause 405 including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	16.67	2290.00	Rupees Two Thousand Two Hundred Ninety Only	Pcum	38174.00
2	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.25 to 0.30 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503.(Rate is Exclusive of cost of Emulsion (RS-1) and will be provided by the Department)including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	1522.14	4.10	Rupees Four and Paise Ten Only	Psqm	6241.00
3	Providing Laying and rolling of closed graded premix surfacing material of 20mm thickness composed of 11.2mm to 0.9mm(type - A) 13.2mm or 0.9mm (type-B) aggregates using bitumen to required line , grade and level to serve as wearing course on previously prepared base including mixing in a suitable plant , laying and rolling with a three wheel roller 8-10KN static roller and finishing to required level and grade as per technical specification clause 509 (Rate is Exclusive of cost of Bitumen (VG-10) and will be provided by the Department).including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge	1522.14	200.55	Rupees Two Hundred and Paise FiftyFive Only	Psqm	305265.00
					Total	349680.00

Draft schedule of quantity approved for Rs. 349680.00

Executive Engineer
Nerchowk Division
HPPWD, Nerchowk

SYN-38

DNIT.S.No:-36.

(9)

DRAFT SCHEDULE OF QUANTITY

Name of work:- A/R & M/O various roads under Chakkar Sub Division HPPWD Nerchowk (Gagal section)

Estimated Cost Rs.149100/-

Earnest Money Rs. 3000/-

(SH: - Hiring of JCB clearing of debris drains and dressing of berms etc.)

Time: - Two Months.

Sr. No.	Description of Items	Qty.	Rate In		Unit	Amount
			Figure	Words		
1.	Hiring of J.C.B. one Cum bucket capacity for debris/cleaning of drain from various sites of work with in all leads and lifts to the entire satisfaction of the Engineer-in-charge. Any loss to the public/private property or any accident etc. happened during the course of hiring period shall be absolute responsibility of the J.C.B. owner which shall have to be fully compensated by him in all cases. The fuel and J.C.B. operator and stays for J.C.B. operator will be provided by the J.C.B. owner. The repair and spare including watch and ward of J.C.B. also born by the contractor/owner. The daily log book will be maintained at site which should be duly verified by the Engineer-in-charge.	142 hours	1050.00	Rupees one thousand fifty only.	Per hours	149100.00
					Total:-	149100.00

Draft schedule of quantity approved for Rs. 1,49,100/-

Assistant Engineer,
Chakkar Sub-Division
H P P W D. Ner Chowk

Executive Engineer,
Nerchowk Division,
HPPWD Nerchowk.

DRAFT SCHEDULE OF QUANTITY

11

Name of work:- A/R & M/O various roads under Chakkar Sub Division HPPWD Nerchowk (Gagal section)

Estimated Cost Rs. 149100/-

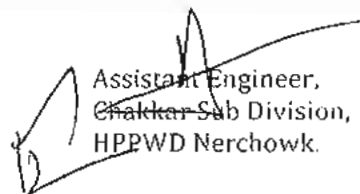
Earnest Money Rs. 3000/-

Time: - Two Month.

(SH: - Hiring of JCB clearing of debris drains and dressing of berms etc.) Job No. 2.

Sr. No.	Description of Items	Qty.	Rate In		Unit	Amount
			Figure	Words		
1.	Hiring of J.C.B. one Cum bucket capacity for debris/cleaning of drain from various sites of work with in all leads and lifts to the entire satisfaction of the Engineer-in-charge. Any loss to the public/private property or any accident etc. happened during the course of hiring period shall be absolute responsibility of the J.C.B. owner which shall have to be fully compensated by him in all cases. The fuel and J.C.B. operator and stays for J.C.B. operator will be provided by the J.C.B. owner. The repair and spare including watch and ward of J.C.B. also born by the contractor/owner. The daily log book will be maintained at site which should be duly verified by the Engineer-in-charge.	142 hours	1050.00	Rupees one Thousand fifty only	Per hours	149100.00
					Total:-	149100.00

Draft Schedule of Quantity approved for Rs. 149,100/-


Assistant Engineer,
Chakkar Sub Division,
HPPWD Nerchowk.


Executive Engineer,
Nerchowk Division,
HPPWD Nerchowk.

1

(12)

DRAFT SCHEDULE OF QUANTITY

Name of work:- A/R & M/O various roads under Chakkar Sub Division HPPWD Nerchowk (Ratti section)

Estimated Cost Rs. 149100/-

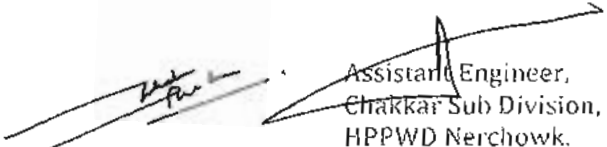
Earnest Money Rs. 3000/-


(SH - Hiring of JCB clearing of debris drains and dressing of berms etc.)

Time: - Two Month.

Sr. No.	Description of Items	Qty.	Rate In		Unit	Amount
			Figure	Words		
1.	Hiring of J.C.B. one Cum bucket capacity for debris/cleaning of drain from various sites of work with in all leads and lifts to the entire satisfaction of the Engineer-in-charge. Any loss to the public/private property or any accident etc. happened during the course of hiring period shall be absolute responsibility of the J.C.B. owner which shall have to be fully compensated by him in all cases. The fuel and J.C.B. operator and stays for J.C.B. operator will be provided by the J.C.B. owner. The repair and spare including watch and ward of J.C.B. also born by the contractor/owner. The daily log book will be maintained at site which should be duly verified by the Engineer-in-charge.	142 hours	1050.00	Rupees one Thousand fifty only	Per hours	149100.00
Total:-						149100.00

Draft schedule of quantity approved for Rs. 1,49,100/-.


Assistant Engineer,
Chakkar Sub Division,
HPPWD Nerchowk.


Executive Engineer,
Nerchowk Division,
HPPWD Nerchowk.

S.No- 9

(13)

DRAFT SCHEDULE OF QUANTITY

CH TO:- A/R & M/O Various roads under Chakkar Sub-Division HP.PWD Nerchowk. (Rattisection)
 Name of Work:- Consultancy for construction of 45.00 mtrs. Span Box Girder Bridge over Ratti Khad at Chauhata place. (SH:- Construction of 45.00 mtrs. span PSC Box Girder Bridge including both side Approaches)

Estimated Cost:- 472000.00

Earnest Money :- 9500.00

Time :- Two Months

S.No	Description of item	Quantity	Rate		Unit	Amount
			In figure	In word		
1	To prepare and submit structural design and drawings of superstructure having PSC Box Girder Deck and sub structure along with proof checking the same from any one of the Govt. agency i.e. IIT mandi, NIT Hamirpur, PEC Chandigarh, IIT Roorkee, IIT Dehli etc.	One Job	400000.00	Rupees Four Lakh And Paise Zero Only	Per Job	400000.00
	GST @ 18%					72000.00
					Total	472000.00

Draft schedule of quantity approved for ₹ 4,72,000/- only

Executive Engineer,
 HPPWD Division
 Nerchowk

Draft Schedule of Quantity

Estimated Cost:- Rs. 132300.00

Earnest Money:- Rs. 2600.00

Time:- 126 hours

Name of work:- Restoration of rain damages on various roads in Sardhwar section under Rewalsar sub Division .

Sub Head:- Hiring of Earth cutting / Excavating machine for removal of slips and clearance of catchpits and drain.

Sr. No.	Description of item	Qty.	Rate		Unit	Amount
			In Figure	In Words		
1	Hiring of earth cutting/excavating machineries to be deployed for removal of slips/earth cutting cleaning of unlined drains and catchpits including cost of fuel oil lubricants and wages of operating staff, any repair/breakage during operation will be carried out by the contractor/owner at his own risk and cost including shifting of machinery from one place to other place will be absolute responsibility of the contractor, Only actual working hour will be accounted for the payment. Earth cutting in all kind of soils including loading in to tipper/truck and disposal of all excavated earth in all leads and lifts to the entire satisfaction of Engineer-in-Charge.	126.00 Hours	1050.00	Rupees one thousand fifty and paise nil only	Per hour	132300.00
				Total:-		132300.00

Conditions:-

Contractor should have his own machinery or he should have an agreement with the owner of the machinery.

Assistant Engineer
Rewalsar Sub Division
H P P W D Rewalsar

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

Draft schedule of quantity approved
Rs. 132300/- (Rupees one lac thirty +
thousand three hundred) only.

S.No. (47)

15

Draft Schedule of Quantity

Estimated Cost:- Rs. 132300.00

Earnest Money:- Rs. 2600.00

Time:- 126 hours. Two month

Name of work:- Restoration of rain damages on various roads in Rewalsar section under Rewalsar sub Division .

Sub Head:- Hiring of Earth cutting / Excavating machine for removal of slips and clearance of catchpits and drain.

Sr. No.	Description of item	Qty.	Rate		Unit	Amount
			In Figure	In Words		
1	Hiring of earth cutting/excavating machineries to be deployed for removal of slips/earth cutting cleaning of unlined drains and catchpits including cost of fuel oil lubricants and wages of operating staff, any repair/breakage during operation will be carried out by the contractor/owner at his own risk and cost including shifting of machinery from one place to other place will be absolute responsibility of the contractor. Only actual working hour will be accounted for the payment. Earth cutting in all kind of soils including loading in to tipper/truck and disposal of all excavated earth in all leads and lifts to the entire satisfaction of Engineer-in-Charge.	126.00 Hours	1050.00	Rupees one thousand fifty and paise nil only	Per hour	132300.00
				Total:-		132300.00

Conditions:-

Contractor should have his own machinery or he should have an agreement with the owner of the machinery.

Assistant Engineer
Rewalsar Sub Division
H P P W D Rewalsar

Draft schedule of quantity approved for
Rs. 132300/- (Rupees one lac thirty two
thousand three hundred) only.

Executive Engineer,
HP BWD, Division,
Nerchowk

Draft Schedule of Quantity

Estimated Cost:- Rs. 132300.00

Earnest Money:- Rs. 2600.00

Time:- 126 hours. Two month

Name of work:- Restoration of rain damages on various roads in Leda section under Rewalsar sub Division .

Sub Head:- Hiring of Earth cutting / Excavating machine for removal of slips and clearance of catchpits and drain.

Sr. No.	Description of Item	Qty.	Rate		Unit	Amount
			In Figure	In Words		
1	Hiring of earth cutting/excavating machineries to be deployed for removal of slips/earth cutting cleaning of unlined drains and catchpits including cost of fuel oil lubricants and wages of operating staff, any repair/breakage during operation will be carried out by the contractor/owner at his own risk and cost including shifting of machinery from one place to other place will be absolute responsibility of the contractor, Only actual working hour will be accounted for the payment. Earth cutting in all kind of soils including loading in to tipper/truck and disposal of all excavated earth in all leads and lifts to the entire satisfaction of Engineer-in-Charge.	126.00 Hours	1050.00	Rupees one thousand fifty and paise nil only	Per hour	132300.00
				Total:-		132300.00

Conditions:-

Contractor should have his own machinery or he should have an agreement with the owner of the machinery.

Draft schedule of quantity approved for Rs. 132300/- (Rupees one lac thirty-two thousand three hundred) only.

Assistant Engineer
Rewalsar Sub Division
H P P W D Rewalsar

Executive Engineer,
H P P W D Division,
Nerchowk

Draft Schedule of Quantity

Estimated Cost:- 100886.00
 Earnest Money:- 2000.00
 Time:- 73 days Three month

Name of work:- Annual repair and maintenance of various road under Leda section Rewalsar Sub-Division HP.PWD. Rewalsar.
 Sub Head:- Hiring of Tractor with trolley for carriage of muck/ debris/stone,boulders etcetra.

Sr. No.	Description of item	Qty.	Rate		Unit	Amount
			In Figure	In Words		
1	Hire charges of tractor for carriage of aggregates/earth/debries/boulders and other construction/ tarring materials from various locations etc. complete including cost of fuel oil and lubricant and wadges of operating staff. Any repair/ damage during work will be absolute responsibility of the contractor/ owner. Tractor has to work at least 8 (eight) hours per day averagely. Actual working hours will be accounted for payment.	73.00	1382.00	Rupees one thousand three hundred eighty two and paise nil only	Per day	100886.00
				Total:-		100886.00

Draft schedule of quantity approved for Rs. 1,00,886/- (Rupees one lac eight hundred eighty six) only

Assistant Engineer,
 Rewalsar Sub-Division,
 H.P.P.W.D. Rewalsar.

Executive Engineer,
 HP.PWD. Division,
 Nerchowk

Draft Schedule of Quantity

Estimated Cost:- Rs. 174521.00
 Earnest Money:- Rs. 3500.00
 Time:- Two Months

Name of work:- Construction of Kalkhar Galoo to Naundhar Upper Dibhri, Lower Dibhri Bhout Sidhyani road Km. 0/0 to 5/0.

Sub Head:- Construction of 900mm dia. R.C.C. Hume pipe culvert at RD. 2/735.

Sr. No.	Description of Item	Qty	Rate		Unit	Amount
			In Figure	In words		
1	Excavation in soil in hilly area by mechanical means including cutting and trimming of side slopes and disposing of excavated earth with in all leads and lifts as per technical specification clause 1603.1, including carnage of material and other incidental charges complete in all respect as per direction of Engineer-in-Charge.	4.61 Cubic metre	187.00	Rupees one hundred eighty seven and paise nil only	Per cubic metre	862.00
2	Earth work in excavation for structures for all kinds of soil as per drawing and technical specifications clause 305.1 including setting out, construction of shoring and bracing, removal of stumps and other deleterious materials and disposal upto any lead, dressing of sides and bottoms and back filling in trenches with excavated suitable materials complete within all leads, lifts carriage of material and other incidental complete in all respect as per direction of Engineer-in-Charge.	52.17 Cubic metre	287.00	Rupees two hundred eighty seven and paise nil only	Per cubic metre	14973.00
3	Providing and laying concrete for plain / reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 & 1203. Plain cement concrete nominal mix 1:4:8 (one cement : four sand : eight graded, crushed stone aggregate 40mm (forty millimetre) nominal size) curing complete within all leads, lifts carriage of material and other incidental complete in all respect as per direction of Engineer-in-Charge.	6.64 Cubic metre	3891.80	Rupees three thousand eight hundred ninety one and paise eighty only.	Per cubic metre	25842.00
4	Providing and laying concrete for plain / reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 & 1203. Plain cement concrete nominal mix 1:6:12 (one cement : six sand : twelve graded, crushed stone aggregate 40mm (forty millimetre) nominal size) curing complete within all leads, lifts carriage of material and other incidental complete in all respect as per direction of Engineer-in-Charge.	2.59 Cubic metre	2700.00	Rupees two thousand seven hundred and paise nil only.	Per cubic metre	6993.00
5	Stone masonry in cement mortar in sub structure complete as per drawing and technical specification clauses 702, 704, 1202 & 1204 Random rubble masonry in cement mortar 1:6 (one cement : six sand) and curing complete within all leads, lifts carriage of material and other incidental complete in all respect as per direction of Engineer-in-Charge.	21.19 Cubic metre	3400.00	Rupees three thousand four hundred and paise nil only	Per cubic metre	72046.00
6	Providing and laying 900mm (nine hundred millimetre) diameter reinforced cement concrete pipe NP2 for culverts on first class bedding of granular material in single row including fixing collar with cement mortar 1:2 (one cement : two sand) but excluding excavation, protection work, back filling, concrete and masonry work in head walls and parapets clause 1108 complete within all leads, lifts carriage of material and other incidentals complete in all respect as per direction of Engineer-in-Charge.	7.00 metre	3365.00	Rupees three thousand three hundred sixty five and paise nil only	Per Running metre	23555.00
7	Providing and laying concrete for plain / reinforced concrete in open foundations complete as per drawing and technical specification clauses 802,803,1202 & 1203. Plain cement concrete nominal mix 1:5:10 (one cement : five sand : ten graded, crushed stone aggregate 40mm (forty millimetre) nominal size) curing complete within all leads, lifts carriage of material and other incidental complete in all respect as per direction of Engineer-in-Charge.	1.12 Cubic metre	3571.09	Rupees three thousand five hundred seventy one and paise nine only	Per cubic metre	4000.00

18

Sr. No.	Description of Item	Qty	Rate		Unit	Amount
			In Figure	In words		
8	Construction of dry rubble masonry for retaining walls, breast walls, revetment walls and parapets etc for sub structure and super structure complete as per Drawing and technical specifications clauses 704.6 & 1302.5 complete within all leads, lifts carriage of material and other incidental complete in all respect as per direction of Engineer-in-Charge.	10.19 Cubic metre	2100.00	Rupees two thousand one hundred and paise nil only	Per cubic metre	21399.00
9	Back filling behind abutment wing wall and return wall complete as per Drawing and technical specifications clause 1204.3.8 complete within all leads, lifts carriage of material and other incidental complete in all respect as per direction of Engineer-in-Charge.	4.62 Cubic metre	1050.00	Rupees one thousand fifty and paise nil only	Per cubic metre	4851.00
					Total:-	174521.00

*Draft Schedule of Quantity approved for Rs. 174521/-
(Rupees one lac seventy four thousand five hundred
twenty one) only.*

[Signature]
Executive Engineer,
HP PWD Division,
Nerchowk, B.M.

19

DRAFT SCHEDULE OF QUANTITY	
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

Name of work:- Restoration of damages due to laying of optical fibre cable on Ratti to kalkhar road km. 0/00 to 10/00.
(SH:- Construction of unlined drain in Km. 4/00 to 7/00 in various reaches) (Deposit Work)

Estimated Cost:- 222467.00

Earnest Money :- 4500.00

Time :- Two Months

S.N o	Description of item	Quantity	Rate		Unit	Amount
			In figure	In word		
1	Construction of unlined surface drains of average cross-sectional area 0.40 sqm in all type of soil to specified lines, grades, levels and dimensions. Excavated material to be used in embankment as per Technical Specification Clause 307 complete including carriage of material in all leads, lifts as per the entire satisfaction and direction of Engineer-in-Charge.	1832.00	76.00	Rs. Seventy Six and paise nil only.	Per Running Metre	139232.00
2	Excavation in hilly areas in hard rock requiring blasting, by mechanical means, lift upto 1.5 m and disposal of excavated rock upto a lead of 20 m as per Clause 1603.2. including carriage of material with in all leads and lifts and other incidentals and as per the direction of the Engineer-in-Charge	180.67	460.70	Rs. Four thousand sixty and paise seventy only.	Per Cubic Metre	83235.00

Total	222467.00
--------------	------------------

Draft schedule of quantity approved for ₹ 2,22,467/-

Executive Engineer,
HPPWD Division,
HPPWD Nerchowki.

SN.43

DNIT.S.No. 50

20

DRAFT SCHEDULE OF QUANTITY

Name of work: - RRD on various roads under Chakkar Sub Division, H.P.PWD, Nerchowk.

Estimated Cost Rs. 100886/-

Earnest Money Rs 2017/-

(Sh: - Hiring of Tractor with trolley for carriage of muck/debries and shifting of material etc.(Ratti section)

Time: -Three Month

Sr. No.	Description of Items	Qty.	Rate In		Unit	Amount
			Figure	Words		
1.	Hiring of tractor with trolley with hydraulic lift system for carriage of material to different sites of work with in all leads & lifts and to the entire satisfaction of the Engineer-in-Charge. The tractor should work minimum 8 hours from 9 AM to 5 PM daily, any loss to the public/private property or any accident etc. happened during the course of hiring period shall be absolute responsibility of the tractor owner which shall have to be fully compensated by him in all cases. The expenditure for fuel, lubricants, driver and repair work shall have to be borne by the tractor owner. The daily log book will be maintained at site which should be duly verified by the Engineer-in Charge.	73 days	1382.00	Rupees one thousand three hundred Eighty two only	Per Days	100886.00
Total -						100886.00

Draft schedule of quantity approved for 2,1,00886/- only

Assistant Engineer,
Chakkar Sub Division,
HPPWD Nerchowk.

Executive Engineer,
Nerchowk Division,
HPPWD Nerchowk.

S.No 15.

21

DRAFT SCHEDULE OF QUANTITY

Name of work:- RRD on Ratti Randhara road Km. 0/00 to 9/00. (SH:- C/O PCC Retaining wall at RD. 7/630 to 7/641)
(Deposit work)

Estimated Cost:- 199751.00

Earnest Money :- 4000.00

Time :-Two Months

S.No	Description of item	Quantity	Rate		Unit	Amount
			In figure	In word		
1	Earth work in excavation for structure as per dry and technical specification clause 305.1 including setting out construction of shoring and bracing removal of stumps and other deleterious material and disposal up to any lead dressing of sides and bottom and back filling in trenches with excavated suitable material including carriage of material with in all leads and lifts and other incidentals and as per the direction of the Engineer-in Charge.	19.47	287.00	Rs. Two hundred eighty seven and paise zero only.	Per Cubic Metre	5588.00
2	Providing and laying concrete for plain/reinforced concrete in open foundation complete as per drawing and technical specification Clause 802.803.1202 and 1203 in cement concrete 1:5:10 (one cement: five sand : Ten graded stone aggregate 40mm nominal size) including carriage of material with in all leads and lifts and other incidentals and as per the direction of the Engineer-in Charge.	49.28	3650.00	Rs. Three thousand six hundred fifty and paise zero only.	Per Cubic Metre	179872.00
3	Back filling behind abutment wing wall and retaining wall complete as per drawing & technical specification clause 1204.3.8 and including carriage of material with in all leads and lifts and other incidentals and as per the direction of the Engineer-in Charge.	8.69	1050.00	Rs. One thousand fifty and paise zero only.	Per Cubic Metre	9125.00
4	Providing weep hole in brick masonry/ stone masonry / plain reinforced concrete abutment, wing wall, return wall with 100mm dia.(one hundred millimetre diameter) PVC pipe extending through the full width of the structures with slope of 1V:20H (one vertical isto twenty horizontal) towards drawing face complete as per drawing and technical specifications clauses 614.709,1204.3.7 including carriage of material and other incidentals as per the direction of the Engineer-in Charge.	18.00	287.00	Rs. Two hundred eighty seven and paise zero only	Each	5166.00
					Total	199751.00

Draft schedule of quantity approved for Rs. 1,99,751/- only

Executive Engineer,
HPPWD Division,
HPPWD Nerchowki

DRAFT SCHEDULE OF QUANTITY

Name of work:- Restoration of damages caused by laying of optical fibre cable on Ratti Meramasit Leda road km. 0/00 to 14/580. (SH:- Providing and laying metalling and tarring portion in km. 0/685 to 0/760)

Estimated Cost:- 464316.00

Earnest Money :- 9300.00

Time :- Two Months

S.N o	Description of item	Quantity	Rate		Unit	Amount
			In figure	In word		
1	Preparation of sub grade by dressing to camber (Earth work for the cutting involved for sub-grade to be paid for separately depending upon the classification of soil completed as per HP.PWD specifications including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	412.50	1.58	Rs. One and paise fifty eight only.	Per Square Metre	852.00
2	Consolidation of sub grade with road roller including making good the undulation etc. with earth or quarry soil etc. and rerolling the sub-grade completed as per HP.PWD specifications including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer in-Charge.	412.50	1.00	Rs. One and paise nil only.	Per Square Metre	413.00
3	Construction of granular sub-base by providing well graded material, spreading in uniform layers with Tractor mount grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401 complete within all leads, lifts, carriage of material and other incidentals charges complete in all respect as per direction of Engineer-in-Charge.	72.19	1877.00	Rs. One thousand eight hundred seventy seven and paise nil only.	Per Cubic Metre	135501.00
4	Providing, laying, spreading and compacting stone aggregate of sizes 63-45mm (Sixty three to forty five millimetres) to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN (eighty by hundred Kilo Newton) in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading-II by manual means as per technical specification Clause 405 including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	30.94	2244.00	Rs. Two thousand two hundred forty four and paise nil only.	Per Cubic Metre	69429.00
5	Providing, laying, spreading and compacting stone aggregate of sizes 53-22.4mm (fifty three to twenty two point four millimetres) to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN (eighty by hundred Kilo Newton) in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading-III by manual means as per technical specification Clause 405 including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	30.94	2290.00	Rs. Two thousand two hundred ninety and paise nil only.	Per Cubic Metre	70853.00
6	Providing and applying a primer coat with bitumen emulsion (SS-I) on prepared surface of granular base cleaned of dust and extraneous material with hydraulic broom or any other approved equipment and spraying primer at the rate of 0.70-1.00 Kg./Sqm. (zero point seven zero to one point zero zero kilogram per square metre) using mechanical means as per technical specification clause 502 including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	412.50	62.00	Rs. Sixty two and paise nil only.	Per Square Metre	25575.00
7	Providing and applying tack coat with bitumen emulsion (RS-1) on prepared dry and hungry bitumen surface cleaned of dust and extraneous material with Hydraulic brooms or any other approved equipment and spraying priming at the rate of 0.25 to 0.30 kg. (zero point two five to zero point three zero kilogram) per square metre with emulsion pressure distributor equipped for spraying uniformly complete as per technical specification clause 503 with in all leads lifts and other incidentals complete and as per the entire satisfaction and direction of Engineer-in-Charge	412.50	17.00	Rs. Seventeen and paise nil only	Per Square Metre	7013.00

(22)

8	Providing, laying and rolling by mechanical means with bitumen (VG-10/S-90) of open graded premix carpet of 20mm (twenty millimetre) thickness composed of 13.2mm to 5.6mm (thirteen point two millimetre to five point six millimetre) aggregates either using penetration grade bitumen to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in suitable plant, laying and rolling with a three wheel 80-100 kN (eighty-hundred kilo newton) static roller capacity, finished to required level and grades to be followed by seal coat of Type-B as per Technical Specification Clause 508 including carriage of material within all leads, lifts and other incidentals charges complete in all respect as per direction of Engineer-in-Charge.	412.50	216.00	Rs. Two hundred Sixteen and paise nil only.	Per Square Metre	89100.00
9	Providing and laying seal coat Type-B by mechanical means sealing the voids in a bituminous surface laid to the specified levels, grade and crossfall using Bitumen (VG-10/S-90) as per Technical Specification Clause 510 including carriage of material within all leads, lifts and other incidentals charges complete in all respect as per direction of Engineer-in-Charge.	412.50	76.20	Rs. Seventy six and paise twenty only.	Per Square Metre	31433.00
10	Construction of parapets in cement concrete 1:5:10 (One cement : Five Sand : Ten graded stone aggregate 40 mm (Forty millimetre) nominal size) and curing complete including the cost of Form work with steel plates as per drawing and HP.PWD technical specifications as per the direction of Engineer-In-Charge complete in all respect including carriage of material within all leads, lifts and other incidentals.	13.00	2642.10	Rs. Two thousand six hundred Forty two and paise ten only.	Each	34347.00
Total						464316.00

Draft schedule of quantity approved for ₹ 4,64,316/- only

Executive Engineer,
HPPWD Division
Nerchowk

DRAFT SCHEDULE OF QUANTITY

Name of work:- Restoration of damages caused by laying of optical fibre cable on Ratti Meramasit Leda road km. 0/00 to 14/580. (SH:- Providing and laying metalling and tarring portion In km. 0/760 to 0/835)

Estimated Cost:- 464316.00

Earnest Money :- 9300.00

Time :- Two Months

S.N o	Description of item	Quantity	Rate		Unit	Amount
			In figure	In word		
1	Preparation of sub grade by dressing to camber (Earth work for the cutting involved for sub-grade to be paid for separately depending upon the classification of soil completed as per HP.PWD specifications including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	412.50	1.58	Rs. One and paise fifty eight only.	Per Square Metre	652.00
2	Consolidation of sub grade with road roller including making good the undulation etc. with earth or quarry soil etc. and rerolling the sub-grade completed as per HP.PWD specifications including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	412.50	1.00	Rs. One and paise nil only.	Per Square Metre	413.00
3	Construction of granular sub-base by providing well graded material, spreading in uniform layers with Tractor mount grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with smooth wheel roller to achieve the desired density, complete as per Technical Specification Clause 401 complete within all leads, lifts, carriage of material and other incidentals charges complete in all respect as per direction of Engineer-in-Charge.	72.19	1877.00	Rs. One thousand eight hundred seventy seven and paise nil only.	Per Cubic Metre	135501.00
4	Providing, laying, spreading and compacting stone aggregate of sizes 63-45mm (Sixty three to forty five millimetres) to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN (eighty by hundred Kilo Newton) in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading-II by manual means as per technical specification Clause 405 including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	30.94	2244.00	Rs. Two thousand two hundred forty four and paise nil only.	Per Cubic Metre	69429.00
5	Providing, laying, spreading and compacting stone aggregate of sizes 53-22.4mm (fifty three to twenty two point four millimetres) to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN (eighty by hundred Kilo Newton) in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading-III by manual means as per technical specification Clause 405 including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	30.94	2290.00	Rs. Two thousand two hundred ninety and paise nil only.	Per Cubic Metre	70853.00
6	Providing and applying a primer coat with bitumen emulsion (SS-I) on prepared surface of granular base cleaned of dust and extraneous material with hydraulic broom or any other approved equipment and spraying primer at the rate of 0.70-1.00 Kg./Sq.m. (zero point seven zero to one point zero zero kilogram per square metre) using mechanical means as per technical specification clause 502 including carriage of material within all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-Charge.	412.50	62.00	Rs. Sixty two and paise nil only.	Per Square Metre	25575.00
7	Providing and applying tack coat with bitumen emulsion (RS-1) on prepared dry and hungry bitumen surface cleaned of dust and extraneous material with Hydraulic brooms or any other approved equipment and spraying priming at the rate of 0.25 to 0.30 kg. (zero point two five to zero point three zero kilogram) per square metre with emulsion pressure distributor equipped for spraying uniformly complete as per technical specification clause 503 with in all leads lifts and other incidentals complete and as per the entire satisfaction and direction of Engineer-in-Charge	412.50	17.00	Rs. Seventeen and paise nil only	Per Square Metre	7013.00

8	Providing, laying and rolling by mechanical means with bitumen (VG-10/S-90) of open graded premix carpet of 20mm (twenty millimetre) thickness composed of 13.2mm to 5.6mm (thirteen point two millimetre to five point six millimetre) aggregates either using penetration grade bitumen to required line, grade and level to serve as wearing course on a previously prepared base, including mixing in suitable plant, laying and rolling with a three wheel 80-100 kN (eighty-hundred kilo newton) static roller capacity, finished to required level and grades to be followed by seal coat of Type-B as per Technical Specification Clause 508 including carriage of material within all leads, lifts and other incidentals charges complete in all respect as per direction of Engineer-in-Charge.	412.50	216.00	Rs. Two hundred Sixteen and paise nil only.	Per Square Metre	89100.00
9	Providing and laying seal coat Type-B by mechanical means sealing the voids in a bituminous surface laid to the specified levels, grade and crossfall using Bitumen (VG-10/S-90) as per Technical Specification Clause 510 including carriage of material within all leads, lifts and other incidentals charges complete in all respect as per direction of Engineer-in-Charge.	412.50	76.20	Rs. Seventy six and paise twenty only.	Per Square Metre	31433.00
10	Construction of parapets in cement concrete 1:5:10 (One cement :Five Sand :Ten graded stone aggregate 40 mm (Forty millimetre) nominal size) and curing complete including the cost of Form work with steel plates as per drawing and HP.PWD technical specifications as per the direction of Engineer-in-Charge complete in all respect including carriage of material within all leads, lifts and other incidentals.	13.00	2642.10	Rs. Two thousand six hundred Forty two and paise ten only.	Each	34347.00
Total						464316.00

Draft schedule of quantity approved for ₹ 4,64,316/-

Executive Engineer,
HPPWD Division
Nerchowk

DRAFT SCHEDULE OF QUANTITY

Name of work:- Construction of Rain Shelter on Ratti Meramasit Leda road km. 0/00 to 14/580. (SH:- Construction of Rain Shelter at Meramasit RD 5/730)

Estimated Cost:- 358180.00

Earnest Money :- 7200.00

Time :-Three Months


S.No	Description of item	Quantity	Rate		Unit	Amount
			In figure	In word		
1	Excavation work by mechanical means (Hydraulic excavator)/ manual means in foundation, trenches, drains (Any width or square metre on plan), including dressing of sides and ramming of bottoms, lift upto any height, including getting out the excavated soil and disposal of surplus excavated soil as directed in all kinds of classification, of soils such as pick work, jumper work, blasting work saturated soils including chiseling or any other mixed variety of soils, dewatering and / or removal of slush and other incidentals within all leads and lifts complete in all respect as per direction and satisfaction of Engineer-in-Charge. Any loss to the public or private property during the course of excavation shall be the sole responsibility of the contractor which shall have to be duly compensated by him at his own cost in all cases.	7.84	190.00	Rs. One hundred ninety and paise zero only.	Per Cubic Metre	1490.00
2	Earth work in excavation for structure as per drawing and technical specification clause 305.1 including setting out construction of shoring and bracing removal of stumps and other deleterious material and disposal up to any lead dressing of sides and bottom and back filling in trenches with excavated suitable material including carriage of material with in all leads and lifts and other incidentals and as per the direction of the Engineer-in Charge	4.65	287.00	Rs. Two hundred eighty seven and paise zero only	Per Cubic Metre	1335.00
3	Providing and laying concrete for plain/reinforced concrete in open foundation complete as per drawing and technical specification Clause 802.803, 1202 and 1203 in cement concrete 1:5:10 (one cement: five sand : Ten graded stone aggregate 40mm nominal size) including carriage of material with in all leads and lifts and other incidentals and as per the direction of the Engineer-in Charge.	7.15	3485.10	Rs. Three thousand four hundred eighty five and paise ten only	Per Cubic Metre	24918.00
4	Providing and laying concrete for plain/reinforced concrete in open foundation complete as per drawing and technical specification Clause 802.803, 1202 and 1203 in cement concrete 1:6:12 (one cement: six sand : twelve graded stone aggregate 40mm (forty millimetre) nominal size) including carriage of material with in all leads and lifts and other incidentals and as per the direction of the Engineer-in Charge.	0.99	4740.40	Rupees Four thousand seven hundred forty and paise forty only.	Per Cubic Metre	4693.00
5	Random rubble masonry with hard stone in foundation and plinth including levelling up with cement concrete 1:6:12 (one cement : six coarse sand : twelve graded stone aggregate 20 mm (Twenty millimetre) nominal size) upto plinth level with cement mortar 1:6 (one cement : six coarse sand) including carriage of materials within all leads and lifts complete in all respect as per direction and satisfaction of Engineer-in-Charge.	4.98	4207.40	Rupees Four thousand two hundred seven and paise forty only	Per Cubic Metre	20953.00
6	Coursed rubble masonry with hard stone in superstructure above plinth level and upto floor all level, including levelling up with cement concrete 1:6:12 (one cement : six coarse sand : twelve graded stone aggregate 20 mm (Twenty millimetre) nominal size) at window sills, ceiling level and the like with cement mortar 1:6 (one cement : six coarse sand) including carriage of materials within all leads and lifts complete in all respect as per direction and satisfaction of Engineer-in-Charge.	9.26	5613.00	Rupees Five thousand six hundred thirteen and paise zero only	Per Cubic Metre	51976.00

24

7	Centering and shuttering including strutting, propping etc. and removal of form work for :					
7.01	Suspended floors, roofs, landings, balconies and access platform within all leads, lifts and carriage of materials and other incidentals or as per direction and satisfaction of Engineer-in-Charge.	19.88	500.00	Rs. Five hundred and paise zero only.	Per square metre	9940.00
7.02	Lintels, beams, plinth beams, girders, bressumers and cantilevers within all leads, lifts and carriage of materials and other incidentals or as per direction and satisfaction of Engineer-in-Charge.	4.74	420.00	Rs. Four hundred twenty and paise zero only.	Per square metre	1991.00
7.03	Weather shade, Chajjas, corbels etc., including edges within all leads, lifts and carriage of materials and other incidentals or as per direction and satisfaction of Engineer-in-Charge.	13.34	575.00	Rs Five hundred seventy five and paise zero only.	Per Square Metre	7671.00
8	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° (Fifteen degree) landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor all level, excluding the cost of centering, shuttering, finishing and reinforcement with 1:1.5:3 (one cement : one and half coarse sand) . three graded stone aggregate 20 mm (Twenty millimetre) nominal size) including carriage of materials within all leads and lifts complete in all respect as per direction and satisfaction of Engineer-in-Charge.	15.53	7700.00	Rs. Seven thousand seven hundred and paise zero only.	Per Cubic Metre	119581.00
9	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete including cost of binding wire upto all floor level. Thermo-Mechanically Treated bars of grade Fe-500D or more including carriage of materials within all leads and lifts complete in all respect as per direction and satisfaction of Engineer-in-Charge.	931.80	92.00	Rs. Ninety two and paise zero only.	Per Kilo Gram	85726.00
10	Boulder filling of selected hard dry stone hand packed tightly under floor as per the direction of Engineer-In-Charge including carriage of materials within all leads and lifts complete in all respect.	1.24	1101.00	Rupees One thousand one hundred one and paise zero only.	Per Cubic Metre	1365.00
11	40 mm (Forty millimetre) thick cement concrete flooring 1:2:4 (One cement : two coarse sand: four graded stone aggregate 20mm (Twenty millimetre) nominal size) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. including carriage of materials within all leads and lifts complete in all respect as per direction and satisfaction of Engineer-in-Charge.	12.44	378.95	Rs. Three hundred seventy eight and paise ninety five only.	Per square metre	4714.00
12	6mm (Six millimetre) cement plaster of mix 1:3 (one cement : three fine sand) including carriage of materials within all leads and lifts complete in all respect as per direction and satisfaction of Engineer-in-Charge.	28.36	154.00	Rupees one hundred fifty four and paise zero only	Per square metre	4367.00
13	15 mm (Fifteen millimetre) cement plaster on the rough side of single or half brick wall of mix 1:6 (one cement : six fine sand) including carriage of materials within all leads and lifts complete in all respect as per direction and satisfaction of Engineer-in-Charge.	53.05	217.00	Rs. Two hundred seventeen and paise zero only.	Per square metre	11512.00
14	Three coats of White washing with lime to give an even shade on new work including carriage of materials within all leads and lifts complete in all respect as per direction and satisfaction of Engineer-in-Charge.	81.41	20.00	Rupees Twenty and paise zero only.	Per square metre	1628.00
15	Back filling behind abutment wing wall and retaining wall complete as per drawing & technical specification clause 1204.3.8 and including carriage of material with in all leads and lifts and other incidentals and as per the direction of the Engineer-in Charge.	1.45	1000.00	Rs. One thousand and paise zero only	Per Cubic Metre	1450.00

16	Providing weep hole in brick masonry/ stone masonry / plain reinforced concrete abutment, wing wall, return wall with 100mm dia.(one hundred millimetre diameter) PVC pipe extending through the full width of the structures with slope of 1V:20H (one vertical isto twenty horizontal) towards drawing face complete as per drawing and technical specifications clauses 614,709,1204.3.7 including carriage of material and other incidentials as per the direction of the Engineer-in Charge .	10.00	287.00	Rs. Two hundred eighty seven and paise zero only	Each	2870.00
					Total	358180.00

Draft Schedule of Quantity approved for ₹ 3,58,180


 Executive Engineer,
 HPPWD Division,
 HPPWD Nerchowla

55 N 114

DNIT.S.No. 51

25

DRAFT SCHEDULE OF QUANTITY

Name of work - A/R & M/O on various roads under Chakkar Sub Division H.P.PWD Nerchowk
(SH:- Hiring of Tipper for carriage of mud & Patch work material) (Gagal Section)

Estimated Cost Rs. 148960/
Earnest Money Rs. 3000/-
Time: - Two Month

Sr. No.	Description of Items	Qty.	Rate In		Unit	Amount
			Figure	Words		
1.	Hiring of Tipper 5.5 cum capacity having lift system for carriage of material to different sites of work with in all leads and lifts and to the entire satisfaction of the Engineer-in-charge. The tipper should work minimum 6 hours from 9.00 A.M. to 5.00 P.M. daily. Any loss to public/private property or any accident etc. happened during the course of hiring period shall be absolute responsibility of the owner which shall have to be fully compensated by him in all cases. The fuel of the tipper, driver and repair work shall have to be borne by the tipper owner. The daily log book shall be maintained at site which should be duly verified by the Engineer-in charge.	56 Days	2660.00	Rupees two thousand Six hundred sixty only	Per Days	148960.
Total						148960

Draft Schedule of quantity approved for Rs. 1,48,960

Assistant Engineer,
Chakkar Sub Division,
HPPWD Nerchowk.

Executive Engineer,
Nerchowk Division,
HPPWD Nerchowk.

DRAFT SCHEDULE OF QUANTITY

Name of work:- A/R & M/O Una Aghar Barsar Jahu Bhambla Nerchowk road Km. 113/00 to 126/300. (SH:- Providing and laying Granular Sub base, Wet Mix Macadam & Bituminous Concrete in Km. 121/00 to 121/200)

Estimated Cost:- 485274.00

Earnest Money :- 9750.00

Time :- One Month

S.No	Description of item	Quantity	Rate with all taxes including GST in		Unit	Amount
			Rs. P.	In figure In word		
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	70.60	489.20	Rs. Four hundred eighty nine and paise twenty only	Per cubic metre	34538.00
2	Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per clause 401 including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	26.10	2726.90	Rs. Two thousand seven hundred twenty six and paise ninety only	Per cubic metre	71172.00
3	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mixplant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per clause 406 including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	45.00	3134.35	Rs. Three thousand one hundred thirty four and paise thirty five only	Per cubic metre	141046.00
4	Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including cleaning of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical brooms complete as per clause 502 including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	300.00	60.00	Rs. Sixty and paise zero only	Per square metre	18000.00
5	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.225 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503. including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	300.00	17.00	Rs. Seventeen and paise zero only	Per square metre	5100.00
6	Providing and laying bituminous macadam with 100-120TPH hot mix plant producing an average output of 75TPH using crushed aggregates of specified grading premixed with bituminous binder, VG-30 transported to site laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled as per clause 501.6 and 501.7 to achieve the desired compaction including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	13.00	8600.15	Rs. Eight thousand six hundred and paise fifteen only	Per cubic metre	111802.00
7	Providing laying 30 mm thick bituminous concrete with 100-120 TPM batch type HMP producing an average out put of 75 tonne per hours using crushed aggregates of specified grading preading premixed with bituminous binder @ 5.4 to 5.6 percent of mixand filler transporting the hot mix to work site laying with a hydrolic paver finisher with sanser control to the required grade. level and alignment rolling with smooth wheeled vibratory and tandem roller to acheive the dressed compaction as per MORTH specification clause no. clause 509 complete in all respect (VG-30) including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	8.03	12903.60	Rs. Twelve thousand nine hundred three and paise sixty only	Per cubic metre	103616.00
Total						485274.00

Draft Schedule of Quantity approved for ₹ 4,85,274/- only

Executive Engineer,
HDDV No. Durgam
Nerchowk.

DRAFT SCHEDULE OF QUANTITY

Name of work:- A/R & M/O Una Aghar Barsar Jahu Bhambla Nerchowk road Km. 113/00 to 126/300. (SH:- Providing and laying Granular Subbase, Wet Mix Macadam & Bituminous Concrete in Km. 121/300 to 121/450)

Estimated Cost:- 487161.00

Earnest Money :- 9800.00

Time :- One Month

S.No	Description of item	Quantity	Rate with all taxes including GST in		Unit	Amount
			Rs. P.	In figure In word		
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	70.50	489.20	Rs. Four hundred eighty nine and paise twenty only	Per cubic metre	34489.00
2	Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per clause 401 including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	26.40	2726.90	Rs. Two thousand seven hundred twenty six and paise ninety only	Per cubic metre	71990.00
3	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per clause 406 including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	45.00	3134.35	Rs. Three thousand one hundred thirty four and paise thirty five only	Per cubic metre	141046.00
4	Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical brooms complete as per clause 502 including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	300.00	60.00	Rs. Sixty and paise zero only	Per square metre	18000.00
5	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.225 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503. including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	300.00	17.00	Rs. Seventeen and paise zero only	Per square metre	5100.00
6	Providing and laying bituminous macadam with 100-120TPH hot mix plant producing an average output of 75TPH using crushed aggregates of specified grading premixed with bituminous binder, VG-30 transported to site laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled as per clause 501.6 and 501.7 to achieve the desired compaction including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	13 10	8600.15	Rs. Eight thousand six hundred and paise fifteen only	Per cubic metre	112662.00
7	Providing laying 30 mm thick bituminous concrete with 100-120 TPM batch type HMP producing an average out put of 75 tonne per hours using crushed aggregates of specified greading preading premixed with bituminous binder @ 5.4 to 5.6 percent of mix and filler transporting the hot mix to work site laying with a hydrolic paver finisher with santer control to the required grade, level and alignment rolling with smooth wheeled vibratory and tendon roller to acheive the dressed compaction as per MORTH specification clause no. clause 509 complete in all respect (VG-30). including carnage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	8.05	12903.60	Rs. Twelve thousand nine hundred three and paise sixty only	Per cubic metre	103874.00
					Total	487161.00

Draft schedule of quantity of work for 24.8.16/1-on lay

Executive Engineer,
HPPWD Division
Nerchowk

DRAFT SCHEDULE OF QUANTITY

Name of work:- A/R & M/O Una Aghar Barsar Jahu Bhambla Nerchowk road Km. 113/00 to 126/300. (SH:- Providing and laying Granular Sub-base, Wet Mix Macadam & Bituminous Concrete in Km. 121/500 to 121/651)

Estimated Cost:- 490026.00

Earnest Money :- 9850.00

Time :- One Month

S.No	Description of item	Quantity	Rate with all taxes including GST in		Unit	Amount
			Rs.	P.		
			In figure	In word		
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	70.40	489.20	Rs. Four hundred eighty nine and paise twenty only	Per cubic metre	34440.00
2	Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per clause 401 including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	26.20	2726.90	Rs. Two thousand seven hundred twenty six and paise ninety only	Per cubic metre	71445.00
3	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per clause 406 including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	45.30	3134.35	Rs. Three thousand one hundred thirty four and paise thirty five only	Per cubic metre	141986.00
4	Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical brooms complete as per clause 502 including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	302.00	60.00	Rs. Sixty and paise zero only	Per square metre	18120.00
5	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.225 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503. including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	302.00	17.00	Rs. Seventeen and paise zero only	Per square metre	5134.00
6	Providing and laying bituminous macadam with 100-120TPH hot mix plant producing an average output of 75TPH using crushed aggregates of specified grading premixed with bituminous binder, VG-30 transported to site laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled as per clause 501.6 and 501.7 to achieve the desired compaction including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	13.30	8600.15	Rs. Eight thousand six hundred and paise fifteen only	Per cubic metre	114382.00
7	Providing laying 30 mm thick bituminous concrete with 100-120 TPM batch type HMP producing an average out put of 75 tonne per hours using crushed aggregates of specified grading premixed with bituminous binder @ 5.4 to 5.6 percent of mix and filler transporting the hot mix to work site laying with a hydraulic paver finisher with sensor control to the required grade, level and alignment rolling with smooth wheeled vibratory and tandem roller to achieve the desired compaction as per MORTH specification clause no. clause 509 complete in all respect (VG-30). including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	8.10	12903.60	Rs. Twelve thousand nine hundred three and paise sixty only	Per cubic metre	104519.00
					Total	490026.00

Draft Schedule of quantity approved for 4,90,026/-

Executive Engineer,
HPPWD Division
Nerchowk

DRAFT SCHEDULE OF QUANTITY

Name of work:- A/R & M/O Una Aghar Barsar Jahu Bhambla Nerchowk road Km. 113/00 to 126/300. (SH:- Providing and laying Granular Sub-base, Wet Mix Macadam & Bituminous Concrete in Km. 121/700 to 121/853) (Vaidya)

Estimated Cost:- 497694.00

Earnest Money :- 10000.00

Time :- One Month

S.No	Description of item	Quantity	Rate with all taxes including GST in		Unit	Amount
			Rs.	P.		
			In figure	In word		
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	80.00	489.20	Rs. Four hundred eighty nine and paise twenty only	Per cubic metre	39136.00
2	Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per clause 401 including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge	26.10	2726.90	Rs. Two thousand seven hundred twenty six and paise ninety only	Per cubic metre	71172.00
3	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per clause 406 including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	45.60	3134.35	Rs. Three thousand one hundred thirty four and paise thirty five only	Per cubic metre	142926.00
4	Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical brooms complete as per clause 502 including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	304.00	60.00	Rs. Sixty and paise zero only	Per square metre	18240.00
5	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.225 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503. including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	304.00	17.00	Rs. Seventeen and paise zero only	Per square metre	5168.00
6	Providing and laying bituminous macadam with 100-120TPH hot mix plant producing an average output of 75TPH using crushed aggregates of specified grading premixed with bituminous binder, VG-30 transported to site laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled as per clause 501.6 and 501.7 to achieve the desired compaction including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	13.40	8600.15	Rs. Eight thousand six hundred and paise fifteen only	Per cubic metre	115242.00
7	Providing laying 30 mm thick bituminous concrete with 100-120 TPM batch type HMP producing an average out put of 75 tonne per hours using crushed aggregates of specified grading preading premixed with bituminous binder @ 5.4 to 5.6 percent of mix and filler transporting the hot mix to work site laying with a hydrolic paver finisher with sander control to the required grade, level and alignment rolling with smooth wheeled vibratory and tandem roller to achieve the dressed compaction as per MORTH specification clause no. clause 509 complete in all respect (VG-30). including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	8.20	12903.60	Rs. Twelve thousand nine hundred three and paise sixty only	Per cubic metre	105810.00
					Total	497694.00

Draft schedule of quantity of material for ₹ 497,694/- only

Executive Engineer,
HPPWD Division
Nerchowk

DRAFT SCHEDULE OF QUANTITY

Name of work:- A/R & M/O Una Aghar Barsar Jahu Bhambra Nerchowk road Km. 113/00 to 126/300. (SH:- Providing and laying Granular Subbase, Wet Mix Macadam & Bituminous Concrete in Km. 121/700 to 121/850) Hill side

Estimated Cost:- 463767.00

Earnest Money :- 9300.00

Time :- One Month

S.No	Description of item	Quantity	Rate with all taxes including GST in		Unit	Amount
			Rs.	P.		
			In figure	In word		
1	Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom, backfilling the excavation earth to the extent required and utilising the remaining earth locally for road work including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge	78.00	489.20	Rs. Four hundred eighty nine and paise twenty only	Per cubic metre	38158.00
2	Construction of granular sub-base by providing close graded material, spreading in uniform layers with motor grader on prepared surface, mixing by mix in place method with rotavator at OMC. and compacting with vibratory roller to achieve the desired density, complete as per clause 401 including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	26.00	2726.90	Rs. Two thousand seven hundred twenty six and paise ninety only	Per cubic metre	70899.00
3	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per clause 405 including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	39.00	3134.35	Rs. Three thousand one hundred thirty four and paise thirty five only	Per cubic metre	122240.00
4	Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical brooms complete as per clause 502 including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	260.00	60.00	Rs. Sixty and paise zero only	Per square metre	15600.00
5	Providing and applying tack coat with Bitumen emulsion (RS-1) using emulsion distributor at the rate of 0.225 kg per sqm on the prepared dry and hungry bituminous surface cleaned with Hydraulic broom as per Technical Specification Clause 503 Including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	260.00	17.00	Rs. Seventeen and paise zero only	Per square metre	4420.00
6	Providing and laying bituminous macadam with 100-120TPH hot mix plant producing an average output of 75TPH using crushed aggregates of specified grading premixed with bituminous binder, VG-30 transported to site laid over a previously prepared surface with paver finisher to the required grade, level and alignment and rolled as per clause 501.6 and 501.7 to achieve the desired compaction including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	13.00	8600.15	Rs. Eight thousand six hundred and paise fifteen only	Per cubic metre	111802.00
7	Providing laying 30 mm thick bituminous concrete with 100-120 TPM batch type HMP producing an average out put of 75 tonne per hours using crushed aggregates of specified grading premixed with bituminous binder @ 5.4 to 5.6 percent of mix and filler transporting the hot mix to work site laying with a hydrolic paver finisher with sensor control to the required grade, level and alignment rolling with smooth wheeled vibratory and tandem roller to achieve the dressed compaction as per MORTH specification clause no. clause 509 complete in all respect (VG-30). including carriage of material with in all leads, lifts and other incidental charges and as per the entire satisfaction and direction of Engineer-in-charge.	7.80	12903.60	Rs. Twelve thousand nine hundred three and paise sixty only	Per cubic metre	100648.00
					Total	463767.00

Draft Schedule of Quantity approved for 4,63,767/-

Executive Engineer,
HPPWD Division
Nerchowk