## MAHARSHI DAYANAND UNIVERSITY ROHTAK



(A State University established under Haryana Act No. 25 of 1975)
NAAC accredited 'A' Grade

#### NOTICE INVITING TENDER

Sealed tenders on percentage basis are invited on behalf of the Registrar, MDU, Rohtak from contractors/societies / agencies on approved list of PWD, MES, CPWD, autonomous bodies and State / Centre Govt. undertakings. The tender forms will be issued to the contractors / societies agencies / up to the date of opening of tenders as mentioned against work by 12:00 Noon and will be received up to 2:00 P.M. in the office of the Registrar and opened at 3:00 P.M. on the same day in the Committee Room of Registrar's office in the presence of the tenderers or their authorized representatives, who may like to be present at that time. The tender documents may be obtained from the office of the undersigned and the same be deposited in the office of the Registrar by the due date.

Sr. No.	Name of work	App. Amt. (Rs.in lac)	Earnest Money (Rs.)	Cost of tender form (Rs.)	Date of opening of tender	Time limit
1.	Providing & Fixing power points for Computer in the newly constructed Department of Mathematics, MDU, Rohtak	5,65,000/-	11,300/-	1,000/-	26.06.2014	01 month
2.	SITC of 12 mtr. High mast fitting in Community Centre, MDU, Rohtak	5,65,000/-	11,300/-	1,000/-	26.06.2014	03 months

### **CONDITIONS:-**

- 1. Complete NIT / DNIT (Detailed Notice Inviting Tender) alongwith eligibility criteria/terms & conditions and changes if any can be seen in the office of undersigned on any working day during office hours (9:00 AM to 5:00 PM) or on University Website <a href="www.mdurohtak.ac.in">www.mdurohtak.ac.in</a>
- 2. The tenderer will keep in touch with the University Web site for any change in the NIT / DNIT till the last date/revised last date of sale of tender and incorporate such changes in NIT / DNIT and the tender bids.
- 3. At the time of purchase of tender documents, the contractors should submit the following documents:-
  - (a) Proof of enlistment.
  - (b) Copy of PAN card.
  - (c) Copy of latest income tax return.
  - (d) Successfully work done certificates of electrical works during last 5 years (financial year 2009-10 to 2013-14) as under:-

One certificate of 80% of the estimated cost of this tender.

Or

Two certificates of 60% of the estimated cost of this tender

Oı

Three certificates of 40% of the estimated cost of this tender

All the above certificates in paras 3(a) to 3(d) above will be self attested with stamp.

- 4. In case tendering receiving / opening day happens to be a holiday, the tenders will be received / opened on next working day at the same time.
- 5. Validity of tender will be 90 days.
- 6. Earnest money is to be deposited at the time of purchase of the tender. It should be in the shape of Demand Draft in favour of the Executive Engineer, MDU, Rohtak payable at Rohtak.
- 7. Contractors shall quote the rate of all items of DNIT separately. The N.S. item rates are to be quoted separately. The tender without item wise rate in DNIT, will be rejected.
- 8. The rates should be quoted in words as well as in figures otherwise the tender will liable to be rejected.
- 9. Conditional tender is liable to be rejected.
- 10. Any work, here tendered, may be withdrawn from further processing at any stage at the discretion of the competent authority without assigning any reason.
- 11. Engineer-in-Charge is competent to increase / decrease the quantity of work. In case of decrease of quantity, the contractor shall have no claim to any payment or compensation whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full.
- 12. Nothing extra whatsoever shall be paid on account of losses, damages done by rains or any other natural calamity.
- 13. The tender is liable to be rejected if the tender is found in variance of the above conditions or the conditions of the DNIT.
- 14. The University reserves the right to accept or reject or negotiate any of the tender or conditions/items without assigning any reason.
- 15. Plumbing and E.I. work shall be got done through license holder agencies for the works involving PH / E.I.
- 16. The agencies shall paste the cello tape on the rates quoted by them.
- 17. Tender by post / telegraphic/courier shall out rightly be rejected.
- 18. Exemption of tender fee or earnest money or security will not be permitted in any case.

**Executive Engineer (C-II)** 

Dated: 28.05.2014

Endst. No. EE/ 2014 /2244-2278

A copy of the above is forwarded to the following for information and necessary action:-

- 1. Superintending Engineer, PWD B&R Circles, Rohtak
- 2. Technical Advisor to VC, MDU, Rohtak
- 3. Executive Engineer(C-II), MDU, Rohtak
- 4. Executive Engineer, PWD B&R (Medical College), Rohtak / KUK / HAU. Hisar / GJU, Hisar / CDLU, Sirsa / BPS Women University, Khanpur/ DBSCRU, Murthal

- 5. P.A. to Vice-Chancellor (for kind information of the Vice-Chancellor), M. D. University, Rohtak
- 6. P.A. to Registrar (for kind information of the Registrar), MDU, Rohtak
- 7. Divisional Accountant, Engg. Cell, MDU, Rohtak
- 8. SDE(C-I, II, III) / SDE (Elect.) / SDE (PH) / SDE (Horti.-I, II), MDU, Rohtak
- 9. H.D.M., Engineering Cell, MDU, Rohtak
- 10. Notice Board
- 11. Contractor/Agency/Society:\_\_\_\_

**Executive Engineer (C-II)** 

# DETAILED NOTICE INVITING TENDER

DNIT for the work of "Providing & Fixing power points for Computer in the newly constructed Deptt. of Mathematics" in MDU, Rohtak.

App. Amount : Rs. 5,65,000/-Earnest Money : Rs. 11,300/-Time limit : 01 month

Sr. No.	Description	Qty.	Rate with C.P.	Unit	Individual Rate to be quoted by the contractor (Rs.)
1.	(a)Main Switches				
	Supply and erection of metal clad switches /				
	B.D.Bs with rag bolts on wall or on existing angle				
	iron board/pedestal including bonding to earth and necessary connections:				
	(xvi) Triple pole switch with neutral link 100	1 nos.	@Rs.3432	Each	
	amp, 415 volts. (Cat B)		(Rs. Three thousand four hundred		
			thirty two only)		
	(xvii) Triple pole switch with neutral link 200	1 nos.	@ Rs. 10584.00	Each	
	amp, 415 volts. (Cat A)		(Rs. Ten thousand five hundred		
	(H.S.R. No. 31.12)		eighty four only)		
2.	(c) Moulded case circuit breakers				
	Supply and erection of moulded case circuit				
	breaker on wall or on existing pedestal including				
	bonding to earth and necessay connections:	<b>5 m</b> o a	© Da 2091 60	Each	
	(i) 15 amp to 60 amp 415 volt 10 K.A. 3 phase	5 nos.	@ Rs. 3081.60 (Rs. Three thousand eighty one	Each	
	(H.S.R. No. 31.12)		and paisa sixty only)		
3.	Supply and erection of M.S. angle iron frame duly		and paisa sixty omy)		
J.	welded for housing M.S. sheet & main switches				
	etc. on it, fixed on wall by means of suitable size				
	of rag bolts with cement concrete, duly painted				
	with three coats of approved paint including one				
	coat of red oxide.		@ Rs. 162.75		
	(ii) Size 40 mm X 40 mm X 6mm.	11 mtrs	(Rs. One hundred sixty two and	Per mtr	Page <b>1</b> of <b>6</b>
	(H.S.R. No. 31.13)		paisa seventy five only)		

4.	Supply and erection of 3 mm thick mild steel	3.5	@ Rs.1179.50	Per Sqm.	
	sheet duly welded on existing M.S. angle iron	sqmtr.	(Rs. One thousand one hundred		
	frame for fixing the main switches etc. as		seventy nine and paisa fifty only)		
	required, duly painted with three coats of				
	approved paint including one coat of red oxide.				
	(H.S.R. No. 31.14)				
5.	Supply and erection of miniature circuit breaker /				
	isolator 240 / 415 V in the existing distribution				
	board including making necessary connections.				
	(a) Miniature Circuit Breakers of 9 K.A.				
	breaking capacity.				
	(ii) 6 amp to 32 amp SP MCB	208 nos	@ Rs. 123.50	Each	
			(Rs. One hundred twenty three and		
			paisa fifty only)		
	(iii) 40 amp to 63 amp SPN MCB	40 nos.	@ Rs. 312.00	Each	
			(Rs. Three hundred and twelve		
			only)		
	40 amp to 63 amp TPN MCB	5 nos.	@ Rs. 648.70	Each	
			(Rs. Six hundred forty eight and		
	(H.S.R. No. 31.17)		paisa seventy only)		
6.	(P) Pipe laying				
	Supply and erection of pipe for wiring				
	purposes including bends inspection boxes etc.				
	where necessary and painting as required:				
	(xv) Heavy gauge welded conduit pipe 20 mm	100 mtr	@ Rs. 67.05	Per mtr.	
	dia 1.60 mm thickness on surface.		(Rs. Sixty seven and paisa five		
			only)		
	(xvi) Heavy gauge welded conduit pipe 25 mm	100 mtr	@ Rs. 82.80	Per mtr.	
	dia 1.60 mm thickness on surface.		(Rs. Eighty two and paisa eighty		
			only)		
	(xxi) Heavy gauge welded conduit pipe 20 mm	40 mtr.	@ Rs. 73.35	Per mtr.	
	dia 1.60 mm thickness flushed.		(Rs. Seventy three and paisa thirty		
			five only)		
	(xxii) Heavy gauge welded conduit pipe 25 mm	40mtr.	@ Rs. 88.20	Per mtr	Page <b>2</b> of <b>6</b>
	dia 1.60 mm thickness flushed.		(Rs. Eighty eight and paisa twenty		
	(H.S.R. No. 31.21)		only)		

7.	(iv) Earthing with tinned copper earth plate 6000	04 nos.	@ Rs. 5170.50	Each	
, .	x 600 mm x 3 mm thick including accessories and	0.1100.	(Rs. Five thousand one hundred	Lacii	
	providing masonry enclosures with cover plate		seventy and paisa fifty only)		
	having locking arrangement and watering pipe		sevency and paisa may omy)		
	etc. (but without charcoal or coke and salt) etc.				
	complete as required.				
	(v) Extra for charcoal or coke and salt for G.I.	04 nos.	@ Rs. 837.00	Each	
	Plate or copper plate earth electrode.		(Rs. Eight hundred thirty seven		
	11 1		only)		
	(x) Providing and fixing 25 mm x 5 mm copper	30 mtr.	@ Rs. 697.50	Per mtr.	
	Strip in 40 mm dia G.I. pipe from earth electrode		(Rs. Six hundred ninety seven and		
	as required.		paisa fifty only)		
	(xiii) Pdg. and laying earth connections from earth	10 mtr.	@ Rs. 152.10	Per mtr.	
	electrode with 4.00 mm dia copper wire in 15 mm		(Rs. One hundred fifty two and		
	dia G.I. Pipe from earth electrode as required.		paisa ten only)		
	(xiv) Pdg. and fixing 25 mm x 5 mm copper strip	30 mtr.	@ Rs. 526.50	Per mtr.	
	on surface or in recess for connections etc. As		(Rs. Five hundred twenty six and		
	required with all labour and material.		paisa fifty only)		
	(xvii) Pdg. and fixing 4.00 mm dia copper wire on	20 mtr.	@ Rs. 60.75	Per mtr.	
	surface or in recess for loop earthing as required.		(Rs. Sixty and paisa seventy five		
			only)		
	(xx) Supply and erection of 20 mm x 3 mm thick	60 mtr.	@ Rs. 60.00	Per mtr.	
	copper tape fixed with suitable copper stapples of		(Rs. Sixty only)		
	same size.				
	(H.S.R. No. 31.22)				
8.	Supply and erection of under ground cable, loose				
	in existing pipe or trenches complete with				
	necessary connections:	50 4	O. D. 040.70	D (	
	(xviii) 70 sqmm 3 ½ core cable (Armoured)	50 mtr	@ Rs. 240.72	Per mtr.	
			(Rs. Two hundred forty and paisa		
	(vvv) 120 ggmm 2 1/ ggm ashla (Ammayar 1)	20	seventy two only)	Don sosta	
	(xxx) 120 sqmm 3 ½ core cable. (Armoured)	20 mtr	@ Rs. 354.24 (Rs. Three hundred fifty four and	Per mtr.	
			paisa twenty four only)		Dama 3 : 5 6
			paisa twenty four only)		Page <b>3</b> of <b>6</b>
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	(xli) 25 sqmm 4 Core cable (Armoured)	200 mtr	@ Rs. 135.12	Per mtr.	
	(Air) 25 Squiii i cole caole (Airiiotalea)	200 11111	(Rs. One hundred thirty five and	1 Or min.	
	(H.S.R. No. 31.26)		paisa twelve only)		
9.	Supply and erection of suitable compression type		r		
<b>)</b> .	brass cable glands for underground cable:				
	(iii) 25 sqmm to 50 sqmm cable 2 to 4 core.	10 nos.	@ Rs. 40.32	Each	
	(m) 20 oquim to 00 oquim twent 2 to 1 center	10 1105.	(Rs. Forty and paisa thirty two	2001	
			only)		
	(iv) 70 sqmm to 95 sqmm cable 3 to 3 ½ core.	2 nos.	@ Rs. 54.00	Each	
	-		(Rs. Fifty four only)		
	(v) 120 sqmm to 185 sqmm cable 3 to $3 \frac{1}{2}$ core.	2 nos.	@ Rs. 68.64	Each	
			(Rs. Sixty eighty and paisa sixty		
	(H.S.R. No. 31.28)		four only)		
10.	Supply and erection of metal clad bus bar				
	chamber made from 1.6 mm thick M.S. sheet				
	fixed with rag bolts on wall or on existing				
	pedestal / angle iron frame including bonding to				
	earth, detachable top and bottom painting and				
	necessary connections etc. (Copper bars duly				
	tinned)	1	○ D = 1040.00	E. d.	
	(ii) 100 amp 4 bars of 55 cm each (cross section	1 no.	@ Rs. 1940.00	Each	
	25 mm x 3 mm), chamber over all size 60 cm x 45 cm x 18 cm.		(Rs. One thousand nine hundred forty only)		
	(iv) 200 amp 4 bars of 55 cm each (cross section	1 no.	(a), Rs. 2096.00	Each	
	25 mm x 5 mm), chamber over all size 60	1 110.	(Rs. Two thousand ninety six	Lacii	
	cm x 45 cm x 18 cm.		only)		
	(H.S.R. No. 31.31)		,		
11.	Wiring in 1.5 sqmm PVC insulated copper				
	conductor cable in 1.6 mm thick conduit pipe.				
	(VII) 3-pin 5 amp. Plug point including earthing				
	the 3 <sup>rd</sup> pin etc.				
	(a) Short point	456 nos	@ Rs. 299.20	Each	
			(Rs. Two hundred ninety nine and		Page <b>4</b> of <b>6</b>
			paisa twenty only)		

	(b) Medium point	40 nos.	@ Rs. 497.20	Each	
	1		(Rs. Four hundred ninety seven		
			and paisa twenty only)		
	(c) Long point	128 nos	@ Rs. 735.90	Each	
			(Rs. Seven hundred thirty five and		
	(H.S.R. No. 31.37)		paisa ninety only)		
12.	Supply and erection of PVC unsheathed copper				
	conductor cable single core 1100 volts grade in				
	pipe of suitable size excluding cost and erection				
	of pipe.				
	(i) Cable size 1.5 sqmm (3/0.81 mm)	800 mtr	@ Rs. 11.22	Per mtr	
			(Rs. Eleven and paisa twenty two		
			only)		
	(ii) Cable size 4 sq mm (7/0.85 mm)	150 mtr	@ Rs. 26.95	Per mtr.	
	(iii)		(Rs. Twenty six and paisa ninety		
			five only)		
	(iv) Cable size 6 sqmm (7/1.05 mm)	700 mtr	@ Rs. 39.16	Per mtr	
			(Rs. Thirty nine and paisa sixteen		
	(H.S.R. No. 31.40)		only)		
13.	Supply and erection of double door sheet steel				
	enclosure distribution board suitable for MCBs				
	and ELCBs etc. recessed in wall including				
	bonding to earth with all labour and material				
	required to complete the job in all respect up to				
	the entire satisfaction of the Engineer-in-Chief of				
	the work.				
	(v) 4-way, TP & N (Horizontal) (8 + 12)	12 nos	@ Rs. 1837.00	Each	
			(Rs. One thousand eight hundred		
			thirty seven only)		
	(vi) 8-way, TP & N (Horizontal) (8 + 24)	12 nos	@ Rs. 2310.00	Each	
			(Rs. Two thousand three hundred		
	(H.S.R. No. 31.41)		ten only)		
					Page <b>5</b> of <b>6</b>

14.	Supply and erection of MS saddles and clamps on	800	@ Rs. 5.50	Each	
	wall/RCC parapet for fixing underground cable at	nos.	(Rs. five and paisa fifty only)		
	a distance of 0.60 metre centre to centre fixed by				
	means of rawl plug including the cost of all labour				
	and material required to complete the job in all				
	respect.				
	(H.S.R. No. 31.48)				

### Note:

- 1. The underground cable will be used of Havells / Polycabe make. No extra payment will be allowed on this account.
- 2. PVC pipe of 6 Kg. pressure Kasta / Swastik / Supreme make of HSR item no. 31.21 will be used if required. No extra payment will be allowed on this account.
- 3. The materials used for HSR item no. 31.12, 31.15, 31.17 and 31.41 will be used of Standard/Havells make if required and no extra payment will be allowed on this account.
- 4. PVC copper wire 31.38, 31.39 and 31.40 will be used of Havells / Polycabe make if required and no extra payment will be allowed on this account.

App. Amount : Rs. 5,65,000/-Earnest Money : Rs. 11,300/-Time limit : 03 months

Sr. No.	Description	Qty.	Rate with CP	Unit	Individual Rate to be quoted by the contractor (Rs.)
1.	Earth work in excavation in foundations, trenches, etc. in all kinds of soils, not exceeding 2 metres depth including dressing of bottom and sides of trenches, stacking the excavated soil, clear from the edge of excavation and subsequent filling around masonry, in 15 cm layers with compaction, including disposal of all surplus soil, as directed within a lead of 30 meters.  (H.S.R. No. 6.6)		@ Rs. 5817.52 (Rs. Five thousand eight hundred seventeen and paisa fifty two only)	Per 100 cum	
2.	Cement concrete 1: 8: 16 with stone ballast 40 mm nominal size in foundation and plinth. (H.S.R. No. 10.26)	5 cum	@ Rs. 1651.10 (Rs. One thousand six hundred fifty one and paisa ten only)	Per cum	
3.	Cement concrete 1: 8: 16 with stone ballast 40 mm nominal size in foundation and plinth. (H.S.R. No. 10.28)	1 cum	@ Rs. 1752.57 (Rs. One thousand seven hundred fifty two and paisa fifty seven only)	Per cum	
4.	Cement concrete 1: 2: 4 with brick ballast 40 mm nominal size in foundation and plinth. (H.S.R. No. 10.41)	3 cum	@ Rs. 3385.80 (Rs. Three thousand three hundred eighty five and paisa eighty only)	Per cum	
5.	First class brick work laid in cement sand mortar 1: 4 in foundation and plinth. (H.S.R. No. 11.4)	15 cum	@ Rs. 2968.00 (Rs. Two thousand nine hundred sixty eight only)	Per cum	

Sr. No.	Description	Qty.	Rate with CP	Unit	Individual Rate to be quoted by the contractor (Rs.)
6.	12 mm thick cement plaster 1 : 4 (H.S.R. No. 15.5)	90 sqmtr	@ Rs. 76.20 (Rs. Seventy six and paisa twenty only)	Per sq mtr	
7.	Fe-500 EQR TMT steel bars for RCC works, where not included in the complete rate of RCC including bending, binding and placing in position complete. (H.S.R. 18.22)	1 Qntl.	@ Rs. 5502.30 (Rs. Five thousand five hundred two and paisa thirty only)	Per Qntl.	
8.	<ul> <li>(a) Main Switches</li> <li>Supply and erection of metal clad switches / B.D.</li> <li>Bs with rag bolts on wall or on existing angle iron board / pedestal including bonding to earth and necessary connections:</li> <li>(xxvii) Four pole change over switch 300/320 amp 415 volts.</li> <li>(c) Moulded case circuit breakers</li> <li>Supply and erection of moulded case circuit breaker on wall or on existing pedestal including bonding to earth and necessary connections:</li> </ul>		@ Rs. 11,360.00 (Rs. Eleven thousand three hundred sixty only)	Each	
	(ii) 100 amp to 220 amp 415 volt 10 K.A. 3 phase	1 no.	@ Rs. 6793.60 (Rs. Six thousand seven hundred ninety three and paisa sixty only)	Each	
	(iii) 250 amp 415 volt 35 K.A. 3 phase (H.S.R. No. 31.12)	1 no.	@ Rs. 16,803.20 (Rs. Sixteen thousand eight hundred three and paisa twenty only)	Each	

Sr. No.	Description	Qty.	Rate with CP	Unit	Individual Rate to be quoted by the contractor (Rs.)
9.	Pipe laying Supply and erection of pipe for wiring purposes including bends inspection boxes etc. where necessary and painting as required: (xxx) Supply and erection of PVC pipe of 6 kg. pressure, laid 1 metre below ground level complete, including digging refilling of the trench with jointing etc.:				
	(c) PVC pipe 60 mm dia (H.S.R. No. 31.21)	5 mtrs	@ Rs. 139.50 (Rs. One hundred thirty nine and paisa fifty only)	Per mtr	
10.	Supply and erection of underground cable, loose in existing pipe or trenches complete with necessary connections:				
	(xli) 35 sqmm 4 Core Cable (Armoured)	100 mtrs	(Rs. One hundred fifty seven and paisa ninety two only)	Per mtr.	
	(xxxii) 185 sq mm 3½ Core Cable (Armoured) (H.S.R. No. 31.26)	50 mtrs	@ Rs. 516.96 (Rs. Five hundred sixteen and paisa ninety six only)	Per mtr.	
11.	Supply and erection of suitable compression type brass Cable glands for underground cable:				
	(ii) 10 sq mm. to 16 sq mm Cable 2 to 4 core (H.S.R. No. 31.28)	2 nos.	@ Rs. 22.08 (Rs. Twenty two and paisa eight only)	Each	
12.	Supply, installation, testing and commissioning of Wall / free floor mounting dust & vermin proof compartmentalized cubical panel made out of 2 mm	30 sq mtr	@ Rs. 2160.00 (Rs. Two thousand one hundred and sixty only)	Per sqmtr	

Sr. No.	Description	Qty.	Rate with CP	Unit	Individual Rate to be quoted by the contractor (Rs.)
	thick CRCA sheet, required hardware 3 mm thick Bakelite sheet provided all along the bus bar and cable alley separating switches compartment and supporting suitable channel duly painted by 2 coats of Zinc / Red oxide primer followed by 2 coats of powder coating in grey or required shade after rinsing. The panel having PU / Neoprene rubber gasket of not less than 3 mm thickness separate detachable gland plate MS base channel hinged door with inter locking arrangement for equipment / switch wear.  Transparent acrylic sheet shall be provided in front of bus bar compartment to prevent direct access to bus bar Bakelite sheet 3 mm thick for separately cable alley to BBC from switch chamber Extended solid copper bars up to cable alley shall be provided for outgoing connection which shall be paid as extra items. Side walls and cable alley compartments shall be having bolted type doors with detachable extension type structure. The panel will be complete with control wiring (copper) and fuse protection (Only outer area on all sides shall be measured). (H.S.R. No. 31.63)				
13.	SITC of 12 mtr high mast system in one section as per IS 875 wind velocity, including 6 mm steel rope 2 nos., accessories head frame, gear box motorized system, control panel (with timer, MNX contactor, fogal switch, connectors and On/Off switch etc) lantering ring for 6 nos. luminaries with control cable 2.50mm <sup>2</sup> 4 core copper cable, earth 2 nos. with		Rate to be quoted by Contractor	Per job	

Sr. No.	Description	Qty.	Rate with CP	Unit	Individual Rate to be quoted by the contractor (Rs.)
	40 mm dia GI pie 4.50 mtr long with cock & sult with hinges cover & GI tape 25 m x 5 m earth electrode to foundation nut & bolts, manufactured from special steel along with nuts, washers anchor plate and templates, twin done aviation obstructions lights of BJAOL with 100 watt lamp (most of Bajaj make) including all labour and material complete in all respect up to the entire satisfaction of the Engineer-in-charge. (N.S. Item no.1)				
14.	SITC of non integral flood light luminaries type 302 2x250 watt with 2 nos. 250 watt metal M.H. lamp 250 watt with control gear boxes Philips make on existing ring on 12 mtr high mast system n all respect as per entire satisfaction of the Engineer-in-Charge of the work.  (N.S. Item no.2)		Rate to be quoted by Contractor	Each	
15.	Supply of river sand in existing trenches complete in all respect as per entire satisfaction of the Engineer-in-Charge of the work. (N.S. Item no.3)	13 cum	Rate to be quoted by Contractor	Per cum	
16.	Supply and filling of tibba sand in all respect as per entire satisfaction of the Engineer-in-Charge of the work. (N.S. Item no.4)	25 cum	Rate to be quoted by Contractor	Per cum	

Sr. No.	Description	Qty.	Rate with CP	Unit	Individual Rate to be quoted by the contractor (Rs.)
17.	Supply and erection of 1 <sup>st</sup> class bricks on existing cables as per entire satisfaction of the Engineer-in-Charge of the work.  (N.S. Item no.5)	2300 nos.	Rate to be quoted by Contractor	Each	
18.	Providing and fixing precast RCC (1: 1½: 3) cable route marker of size 0.75 mtr. deep / 0.25 mtr. width x 0.15 mtr thick. 0.25 mtr. below top of side wall and proper embedded in wall. The writing words, H.T. cable on three sides of route markers including arrow on two sides with approved make of enamel paint of red colour including white colour Apex of approved make with 6 nos. horizontal stirrups of tor steel bar 8 mm dia and 6 nos. vertical tor steel bar 12 mm dia as instruction and as per entire satisfaction of the Engineer-in-Charge of the work. (N.S. Item no.6)		Rate to be quoted by Contractor	Each	

## Note:

- 1. The underground cable will be used of Havells / Polycab make. No extra payment will be allowed on this account.
- 2. PVC pipe of 6 Kg. pressure Kasta / Swastik / Supreme make of HSR item no. 31.21 will be used if required. No extra payment will be allowed on this account.
- 3. The materials used for HSR item no. 31.12, 31.15, 31.17 and 31.41 will be used of Standard/Havells make if required and no extra payment will be allowed on this account.
- 4. PVC copper wire 31.38, 31.39 and 31.40 will be used of Havells / Polycab make if required and no extra payment will be allowed on this account.