

ASD/FC/DR

NO. SRM-DRA(Adi Badri)-DC/2018- 13135
OFFICE OF THE DEPUTY COMMISSIONER, DISTRICT SIRMAUR (HP)

Dated, Nahan, the 23/08, 2018

To
The Executive Engineer
Saraswati Heritage Division No. 1,
Jagadhar (HR).

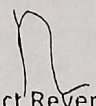
Subj- Reg. estimate for SOP to shifting of 11 KV HT line-C/o Adi Badri Dam.

Sir,
With reference to the subject cited above please find enclosed herewith estimate of Rs. 36,73,203.00 for shifting of 11 KV HT line for c/o Adi Badri Dam submitted by Sr. Executive Engineer, Electrical Division, HPSEBL, Nahan for your further necessary action.

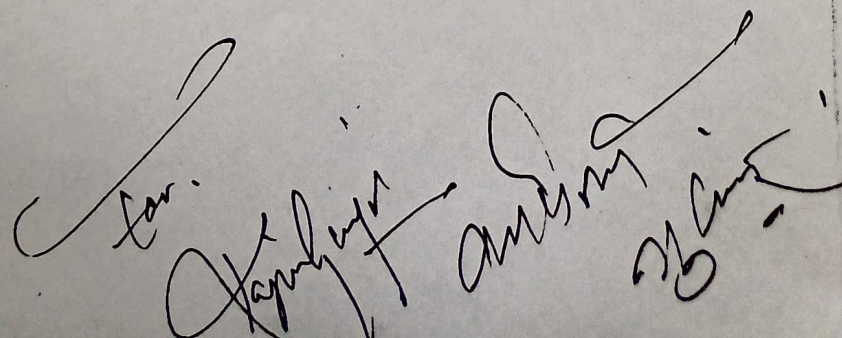
Encl: As above

D. M. P
KEN
29/08/18
29/08/18

Yours faithfully


District Revenue Officer
(Nodal Officer),
District Sirmaur.

Saraswati Heritage Divn. in Nahan
109
-6
29/8/18
D. M. P. D. A. U.
Ken Saraswati Heritage Divn. No. 1
JAGADHAR

for


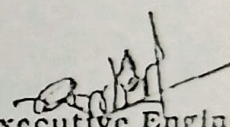
HP STATE ELECTRICITY BOARD LTD.

NAME OF WORK:- Estimate for SOP to Shifting of 11 KV HT Line for Mantra Devi temple alongwith 11/0.4 KV 25 KVA DTR's due to construction of Dam at Adi Badri in (E) Section Shambhuwala under Nahar No. II.

MAIN ABSTRACT OF COST

Sr. No.	Description	Amount
1	Cost of 11 KV HT Line as per Ann-A attached	3002551.78
2	Cost of 11/0.4 KV, 25 KVA S/Stn as per Ann-B attached	372397.63
3	Cost of 3 Phase LT Line as per Ann-C attached	295253.23
	Chief Electrical inspector fees	3000.00
	Total:-	3673202.54

Say Rs. 36,73,203/-only


Sr. Executive Engineer,
Electrical Division HPSEBL,
Nahar

"Ann-A"

HP STATE ELECTRICITY BOARD LTD,

NAME OF WORK:- Estimate for SOP to Shifting of 11 KV HT Line for Mantra Devi temple alongwith LT & 11/0.4 KV 25 KVA DTR's due to construction of Dam at Adi Badri in (E) Section Sharnbhuwala under ESD Nahana No. II.

ABSTRACT OF COST (11 KV H.T Line)

SR.NO.	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
1	Prov. ST Pole 9 mtr. long	44	Nos.	7491	329604
2	Prov. RCC Muff 2.0mm	44	Nos.	1531	67364
3	Prov. AAAC 7/3.15mm ² conductor.	13574	Mtr.	45	610830
4	Prov. MS CI X-Arm 2800x100x50x6mm	11.2	Mtr.	389	4357
5	Prov. MS CI X-Arm 2800x75x40x6mm	11.2	Mtr.	168	1882
6	Prov. CI X-arm 2400x100x50x6mm for x-arm	52.8	Mtr.	389	20539
7	Prov. MSAL-X- Bracing Set 2(2700+1500X50X50X6mm)	92.4	Mtr.	150	13860
8	Prov. CI X-arm 1500x100x50x6mm for Single pole str.	33	Mtr.	389	12837
9	Prov. Al Knee Bracing Set 2(750X50X50X6mm)	33	Mtr.	150	4950
10	Prov. 11 KV GO. Switch 400 Amp Complete with feeting	2	Nos.	5638	11276
11	Prov. 11KV pin insulator with pin	99	Nos.	133	13167
12	Prov. 11KV Disc Insulator complete with fitting	66	Nos.	1268	83688
13	Prov. 11KV HT stay set complete with fitting	35	Nos.	762	26670
14	Prov. Stay Wire 7/8 SWG	280	Kg	54	15120
15	Prov. HT Earthing Set Complete with fitting	8	Nos.	2471	19768
16	Prov. GI Wire 8SWG	462	Kg	51	23562
17	Prov. Danger Plates	32	Nos.	115	3680
18	Prov. Nuts & Bolts off sizes	98	Kg	85	8330
19	Prov. M.S. Flat Half Clamp	58	Nos.	58	3364
20	Prov. Barbed Wire	35	Kg	68	2380
21	Prov. Earth Hook	66	Nos.	30	1980
22	Prov. Egg Insulator	35	Nos.	30	1050
23	Prov. 11 KV Top Clamp	22	Nos.	66	1452
24	Prov. Aluminum Paint	44	Ltr	346	15224
25	Prov. Full Clamp	49	Nos.	217	10633
	Misc & Sundery charges		L/S		10000
	Total				1317567
	Add 3% Contigencies Charges				39527
	Add Transportation Charges as per cost data 2017-18	4.480	Km	31460	140941
	Add Erecton Charges as per cost data 2017-18	4.480	Km	177308	794340
	Total				2292374
	Add 11% Departmental Charges				252161
	Total				2544535
	Add 9 % SGST				229008
	Add 9 % CGST				229008
	Grand Total				3002552

Say Rs. 30,02,552/-only.

Sr. Executive Engineer,
Electrical Division, HPSEBL,
Nahana

HP STATE ELECTRICITY BOARD LTD.

"Am-13"

NAME OF WORK: Estimate for SOP to Shifting of 11 KV HT Line for Mantra Devi temple alongwith LT & 11/0.4 KV 25 KVA DTR's due to construction of Dam at Adi Badri in (E) Section Shambhuwala under ESD Nahan No. II.

Cost of (11/.4 KV 25 KVA S/STN) FITTING

Sr. No.	Description	Unit	Qty	Rate	Amount
1	11/0.4KV , Distribution Transformer, 25 KVA	Nos.	1	44814	44814.00
2	S/T pole 9m Long W/L 200 Kg.	Nos.	2	7491	14982.00
3	RCC Muff	Nos.	2	1531	3062.00
4	C.I. (2800x100x50x6)mm for X-Arm	Mtr.	11.2	389	4356.80
5	C.I. 460x100x50x6mm for Supporting Main Channel	Mtr.	0.92	389	357.88
6	C.I. 2800x75x40x6mm for Fuse Unit, AB. Switch	Mtr.	11.2	168	1881.60
7	A.I. 2800x50x50x6mm for L.A.& LT Box	Mtr.	8.4	150	1260.00
8	11 KV G.O. Switch 400 Amp Complete with fetting	Set	1	5638	5638.00
9	D.O. Fuse Unit	Set	1	1881	1881.00
10	Lightening Arrestor	Nos.	3	1170	3510.00
11	Disc Insulator complete	Nos.	3	1268	3804.00
12	Stay Set complete	Set	4	762	3048.00
13	Stay Wire (7/3.15 mm) (6.0 Kg per stay set)	Kg.	30	54	1620.00
14	Pipe Earthing S/Stn type (s/stn metering str)	Nos.	3	2935	8805.00
15	GI wire 8 SWG	Kg.	60	51	3060.00
16	LT-Panel for 25 KVA S/Stn with MCCB	Nos.	1	19078	19078.00
17	Half Clamps	Nos.	22	66	1452.00
18	M.S. Nut & Bolts Off Sizes	Kg.	25	85	2125.00
19	G.I. Thimbles	Nos.	16	36	576.00
20	Danger Plate	Nos.	1	115	115.00
21	Barbed Wire	Kg.	15	68	1020.00
22	L.T. Cable (3.5 Core) 35mm ²	Mtr.	15	93	1395.00
23	Energy Meter (3 Phase 4 Wire) DLMS Compliant 50 A CT Type for 25 KVA T/F	Nos.	1	10887	10887.00
24	Alluminium Paint	Ltr	4	346	1384.00
25	LT shant capacitor	KVAR	9	688	6192.00
26	Chain link fencing for the safety of S/stn	Each	1	40000	40000.00
	Misc & Sundries to complete the Job				10000.00
	TOTAL				196304.28
	Add Errection Charges as cost data 2017-18				69923.00
	Add Transportation Charges as cost data 2017-18				12200.00
	Add 3% Contingencies Charges				5889
	Sub-Total:-				284316
	Add 11% Deptt. Charges				31275
	Sub-Total:-				315591
	Add 9% CGST				28403
	Add 9% SGST				28403
	Sub Total				372397.63

Say Rs. 3,72,398/-only.

Sr. Executive Engineer,
Electrical Division, HPSEBL,
Nahan

"Ann-5"

HP STATE ELECTRICITY BOARD

DESCRIPTION OF WORK:- Estimate for SOP to Shifting of 11 KV HT Line for Mantra Devi temple alongwith LT & 11/0.4 KV DTR's due to construction of Dam at Adi Badri in (E) Section Shambhuwala under ESD Nahar No. II.

ABSTRACT OF COST (L.T Line)

S.NO.	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
1	Prov. ST Pole 8 mtr. long	5	Nos.	5384	26920
2	Prov. RCC Muff 1.8mm	5	Nos.	1287	6435
3	Prov. AAAC 7/3.15 mm	1940	Mtr.	31	60140
4	Prov. GI Wire 8SWG	53	Kg	51	2703
5	Prov. Shackle insulator with D- Iron	12	Nos.	54	648
6	Prov. Shackle insulator with Nuts & bolts	8	Nos.	33	264
7	Prov. LT stay set complete with fitting	2	Nos.	628	1256
8	Prov. LT stay Wire 7/10 SWG	12	Nos.	54	648
9	Prov. Egg Insulator	2	Nos.	30	60
10	Prov. Nuts & Bolts Off sizes	10	Kg	85	850
11	Prov. Stay Clamp	2	Nos.	66	132
12	Prov. Eye Hook Bolt	5	Nos.	30	150
13	Prov. PVC Cable 50mm 3.5 core	30	Mtr.	200	6000
14	Prov. Aluminum Paint	5	Ltr	346	1730
	Misc & Sundery complete the job.				10000
	Total				117936
	Add 3% Contingencies Charges				3538
	Add Transportation Charges as per cost data 17-18	0.480	Km	39243	18837
	Add Erecton Charges as per cost data 2017-18 30	0.480	Km	177308	85108
	Total				225419
	Add 11% Departmental Charges				24796
	Total				250215
	Add 9% SGST on Erection				22519
	Add 9% CGST on Erection				22519
	Grand Total				295253

Say Rs 1505447/-only.

Sr. Executive Engineer,
Elect. Division, HPSEBL,
Nahar

HP STATE ELECTRICITY BOARD LTD.

Name of Work:- Estimate for SOP to Shifting of 11 KV HT Line for Mantra Devi temple alongwith LT & 11/0.4 KV 25 KVA DTR's due to construction of Dam at Adl Badri In (E) Section Shambhuwala under ESD Nahar No. II.

Credit Sheet

S.No	Description of Item	Unit	Qty	Rate	Amount	remarks
1	Dismantling of AAAC 7/2.50mm Conductor	Mtr	15025	10	150250	
2	Dismantling of 9 Mtr Long Steel Tublar Pole	Nos	31	2700	83700	
3	Dismantling of 8 Mtr Long Steel Tublar Pole	Nos	25	1750	43750	
4	Dismantling of M.S. channel iron cross arm 2800x100x50x6mm	Nos	7	250	1750	
5	Dismantling of M.S. channel iron cross arm 2400x100x50x6mm	Nos	10	250	2500	
6	Dismantling of M.S. channel iron cross arm 1500x100x50x6mm	Nos	30	250	7500	
7	Dismantling of 11/0.4 KV, 25 KVA Transformer.	Nos	1	22000	22000	
	G/Total:-				311450	

Note:- Dismantled material shall be used in R/m Worker & Credit s) given to R/m Worker

Sr. Executive Engineer,
Electrical Division HPSEBL,
Nahar

Uttar Pradesh State Electricity Board Ltd.
 Estimate for Rev. SOP for Shifting of 11KV HT S.T. Line to Ramna Desi Temple in CD
 Section Sitawali DESD. Nahar-II

ABSTRACT OF MATERIAL FOR LT Line

Sr. No	POLE NO	S.T. POLE 8 MTR LONG IN NOS	RCC MUFF IN NOS.	LENGTH OF SPAN IN MTR	AAAC 7/2.50 IN MTRS	G.I. WIRE 8 SWG IN MTRS	SHACKLED INSULATOR WITH D-IRON IN NOS	SHACKLED INSULATOR WITH NUTS AND BOLTS IN NOS	STAY SET IN SETS	EGG INSULATOR IN NOS	STAY WIRE 7/10 SWG IN KG	F.Lu. Paint	EARTHING HOOKS IN NOS	NUTS AND BOLTS OFF SIZE IN KG	REMARKS
1	P0	1	1	110	440	110	4	4	1	1	6	1	1	2	
2	P1	1	1	120	480	120	4	4	1	1	6	1	1	2	
3	P2	1	1	140	560	140	4	4	1	1	6	1	1	2	
4	P3	1	1	110	440	110	4	4	1	1	6	1	1	2	
5	P4	5	5	480	1920	480	12	8	2	2	12	5	5	10 kg	

Required AAAC 7/2.50 mm 1920 + 3% cutting & sagging = 1980 mtr
 " G.I wire 8SWG = 480 + 3% cutting & sagging = 501 kg

[Signature]
 Sr. Executive Engineer
 Electrical Division
 UPSEES Ltd Nahar-II

[Signature]
 Sr. Executive Engineer
 Electrical Division
 UPSEES Ltd Nahar-II

Estimate for SOP to Shifting of 11 KV HT Line for Mantra Devi temple alongwith LT & 11/0.4 KV 25 KVA DTRs due to construction of Dam at Millipuri in (E) Section Shambhuvada under ZSD Nahab No. 11.

Sl. No.	Pole No.	HT Pole 9 mts In No.	RCC Molt 2.0m	Length of Span In meters	MAAC 7/3.15 In meters	GI Wire 8 SWG In meters	Prov. MS CI X-Arm 2800x100x50x6mm	Prov. MS CI X-Arm 2800x75x40x6mm	Prov. CI X-Arm 2400x100x50x6mm for x-arm	Prov. MS CI X-Arm 2400x100x50x6mm for x-arm	Braing Set 212700x1500x50x50x5mm	Prov. CI X-Arm 1500x100x50x6mm for single pole str.	Prov. Al Knee Braing Set 2150x350x50x6mm	Switch 400 Amp Complete with feeling	Prov. 11KV pin Insulator with pin	Prov. 11KV Disc with fitting	Prov. 11KV HT stay set complete with fitting	SWO Prov. Stay Wire 7/3 fitting	Prov. HT Earthing Set Complete with fitting	11KV Drawer Place In Nos	Prov. Nuts & Bolts on piece	Prov. N. S. Flat Nut Clamp	Prov. Barbed Wire	Prov. Earth Hook	Prov. Ekt Insulator	Prov. 11 KV Top Clamp	Prov. Aluminium Paint	Prov. Full Clamp	Remarks	
1	P1	1	1	110	330	110	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	2	2	2	2	0	0	2	1	R/T
2	P2	1	1	120	360	120	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	A/P
3	P3	2	2	260	780	260	0	0	0	0	0	0	0	0	3	6	2	16	8	0	1	1	1	1	1	1	1	1	1	D/P
4	P4	1	1	110	330	110	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
5	P5	1	1	170	510	170	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
6	P6	2	2	130	390	130	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
7	P7	1	1	110	330	110	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	D/P
8	P8	2	2	120	360	120	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
9	P9	1	1	160	480	160	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
10	P10	1	1	105	315	105	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	D/P
11	P11	1	1	110	330	110	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
12	P12	2	2	270	810	270	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
13	P13	1	1	180	540	180	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
14	P14	1	1	195	585	195	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
15	P15	2	2	105	315	105	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	D/P
16	P16	1	1	115	345	115	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
17	P17	1	1	160	480	160	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
18	P18	1	1	170	510	170	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
19	P19	2	2	110	330	110	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
20	P20	1	1	115	345	115	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
21	P21	1	1	130	390	130	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
22	P22	2	2	125	375	125	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	D/P
23	P23	1	1	110	330	110	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
24	P24	2	2	240	720	240	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
25	P25	1	1	105	315	105	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	A/P
26	P26	2	2	120	360	120	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	D/P
27	P27	1	1	160	480	160	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	A/P
28	P28	2	2	110	330	110	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	D/P
29	P29	1	1	95	285	95	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	A/P
30	P30	1	1	80	240	80	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
31	P31	1	1	95	285	95	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	D/P
32	P32	1	1	95	285	95	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	A/P
33	P33	1	1	95	285	95	0	0	0	0	0	0	0	0	3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	R/T
Total		44	44	4480	13440	4480	4	4	22	11.2	52.8	92.4	33	33	99	66	35	230	8	33	98	88	35	66	35	22	44	49	A/P	

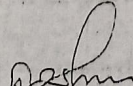
Chaced In meters: 11.2 11.2 52.8 92.4 33 33
 AAAC 7/3.15mm Conductor add 1% Cutting & wastage = 13440*1% = 134.4 = Total Cond. 13440+134.4 = 13574 mtr.
 GI wire 8 SWG add 1% cutting & wastage = 4480*1% = 44.8 = 4524 MTR.
 GI wire 8 SWG In Y.L = 4524*0.102 = 461.4 K.G. Bay 462 K.G.

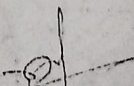
Authorised Signature
 Electrical Sub Engineer

Inventory of Dismantling material for LT Line at Mantra Devi Temple Shambhuwala

Sr.No.	Pole No.	ST Pole 9 mts In Nos.	Length of Span in meters	AAAC 7/2.50 in meters	GI Wire 8 SWG In Mtrs	Remarks
1	EP0	1	80	320	80	
2	EP1	1	60	240	60	
3	EP2	1	80	320	80	
4	EP3	1	65	260	65	
5	EP4	1	70	280	70	
6	EP5	1	80	320	80	
7	EP6	1	100	400	100	
8	EP7	1	75	300	75	
9	EP8	1	90	360	90	
10	EP9	1	120	480	120	
11	EP10	1	60	240	60	
12	EP11	1	100	400	100	
13	EP12	1	50	200	50	
14	EP13	1	80	320	80	
15	EP14	1	120	480	120	
16	EP15	1	50	200	50	
17	EP16	1	60	240	60	
18	EP17	1	70	280	70	
19	EP18	1	80	320	80	
20	EP19	1	50	200	50	
21	EP20	1	90	360	90	
22	EP21	1	70	280	70	
23	EP22	1	40	160	40	
24	EP23	1	50	200	50	
25	EP24	1	50	200	50	
Total:-		25	1840	7360	1840	
Chanel in meters						

Total Dismantal Conductor for LT Line 7.360 Kms


Assistant Engineer,
Electrical Sub-Division,
HPSEBL, Nahar No. II


Sr. Executive Engineer,
Elec. Division, HPSEBL,
Nahar

Inventory of Dismantling material for IIT Line at Mantra Devi Temple Shambhuwala

Sr.No.	Pole No.	ST Pole 9 mts In Nos.	Length of Span in meters	AAAC 7/2.50 in meters	GI Wire 8 SWG In Mtrs	Prov. MS CI X-Arm 2800x100x50x6mm	Prov. C.J X-arm 2400x100x50x6mm for X-arm	Prov. C.I X-arm 1500x100x50x6mm for Single pole str.	11/0.4 KV 25 KVA Transformer	Remarks
1	EP0	1	110	330	110	1	2	2	1	
2	EP1	1	115	345	115	0	0	1		
3	EP2	1	120	360	120	0	0	1		
4	EP3	1	80	240	80	0	0	2		
5	EP4	2	120	360	120	1	2	1		
6	EP5	1	100	300	100	0	0	1		
7	EP6	1	110	330	110	0	0	1		
8	EP7	1	180	540	180	0	0	1		
9	EP8	1	110	330	110	0	0	1		
10	EP9	2	95	285	95	1	2	1		
11	EP10	1	80	240	80	0	0	2		
12	EP11	2	140	420	140	1	0	1		
13	EP12	1	110	330	110	0	0	1		
14	EP13	1	70	210	70	0	0	1		
15	EP14	1	120	360	120	0	0	1		
16	EP15	1	60	180	60	1	2	1		
17	EP16	1	70	210	70	0	0	2		
18	EP17	1	105	315	105	0	0	1		
19	EP18	2	130	390	130	1	0	1		
20	EP19	1	80	240	80	0	0	1		
21	EP20	1	50	150	50	0	0	1		
22	EP21	2	95	285	95	1	0	1		
23	EP22	1	60	180	60	0	0	1		
24	EP23	1	75	225	75	0	0	1		
25	EP24	1	110	330	110	0	2	1		
26	EP25	1	60	180	60	0	0	1		
Total:-		31	2555	7665	2555	7	10	30	1	
Chanel in meters						19.6	24.0	45		

Total Dismantal Conductor for IIT Line 7.665 Kms

Dismantling of 1 No. 11/0.4 KV, 25 KVA Transformer

[Signature]
 Assistant Engineer,
 Electrical Sub-Division,
 HPSEBL, Nahant No. II

[Signature]
 Sr. Executive Engineer,
 Elec Division, HPSEBL,
 Nahant

