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CHIEF ENGINEER / PD&C

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To

1. All SE/ "Op" Circle, Under DHBVN.
2. SE/Const., Circle, DHBVN Hisar.

Memo No. Ch-265/DD-117/Vol-IX

Dated: 05.11.2018

Subject: - Item wise rates for 33 KV and 11 KV turn-key works for preparation of estimate w.e.f. 05.11.2018 to 31.03.2019.

Enclosed please find herewith the items wise rates for preparation of estimate for 33 & 11 KV turnkey works till 31.03.2019. These rates are applicable with immediate effect.

This issue with the approval of WTDs at NP No. 54 file No. DD-117/Vol-IX.

DA/As above


Superintending Engineer/P&D
For CE/PD&C, DHBVN, Hisar

CC to the:-

1. SPS to W/CMD DHBVN Hisar: for kind information to W/CMD, Please
2. SPS to Director/ Project, DHBVN, Hisar: for kind information of the Director, Please.
3. SPS to Director/ OP, DHBVN, Hisar: for kind information of the Director, Please.
4. CE/MM, DHBVN, Hisar.
5. CE/R-APDRP, DHBVN Hisar.
6. CE/Op., DHBVN, Hisar/Delhi.
7. CE/Smart City Project., DHBVN, Gurgaon
8. SE/P&D, UHBVN, Panchkula.
9. SE/M&P Circle, DHBVN, Gurgaon.
10. SE/Civil, DHBVN Hisar.
11. COS, DHBVN Hisar.
12. FA/MM, DHBVN Hisar.
13. GM/IT, DHBVN, Hisar along with a copy of rate list for information and it is requested to upload the rate list on Nigam Website.

along with copy of rate list for information & necessary action.

Rates for 33 & 11 KV turnkey works applicale from 05/11/2018 to March 2019 for preparation of estimate.

Sr. No.	Description	Unit	Approved rates Applicable From 5 November 2018 to March 2019
1	LINE SUPPORTS		
1.1	PCC Pole 9.0M Long.	No.	2120.00
1.2	PCC Pole 11.0M Long.	No.	4975.00
2	MS Angle, Channel of various sizes, X-ARMS by using steel of TATA / SAIL make only		
2.1	MS Channel 100x50mm(ISMC-100) SAIL/TATA	Ton	53170.00
2.2	MS Channel 75x40mm(ISMC-75) SAIL/TATA	Ton	54516.00
2.3	MS Angle 65x65x6mm SAIL/TATA	Ton	53041.00
2.4	MS Angle 50x50x6mm SAIL/TATA	Ton	54516.00
2.5	MS flat 50X6mm SAIL/TATA	Ton	55115.00
2.6	V-Shape X Arm 100x50mm (ISMC-100) Wt. 13.200 kg.	No.	921.00
2.7	V-Shape X Arm 75x40mm (ISMC-75) Wt. 10.100 kg.	No.	719.00
2.8	M.S. Channel (X-Arm) 100x50mm (ISMC-100)2200mm (for H pole) Wt. 21.032 kg.	No.	1468.00
2.9	M.S Channel (T-OFF) 100x50mm (ISMC-100)3050mm Wt.29.158 kg	No.	2035.00
2.10	MS Channel T-off 75x40mm(ISMC-75) 3350 mm Wt. 23.919 kg	No.	1702.00
2.11	MS Channel T-off 75x40xmm(ISMC-75) 2200mm for fuse unit Wt. 15.708kg.	No.	1118.00
2.12	MS Channel T-off 100x50mm (ISMC-100)1600mm Wt. 15.296 kg	No.	1067.00
2.13	M.S.Angle Iron 50x50x6mm 3220mm (Bracing 4 pole) Wt.14.49 kg.	No.	1031.00
2.14	M.S Angle 50x50x6mm-2860mm (Bracing H-pole)Wt. 12.87 kg.	No.	916.00
2.15	M.S. Angle 50x50x6mm- 2400mm (for earth wire) Wt.10.80 kg.	No.	769.00
2.16	M.S. Angle 50x50x6mm- 2200mm (Belting for H-pole) Wt.9.90 kg.	No.	705.00
2.17	M.S. Angle 50x50x6mm- 2040mm (Belting 4 pole) Wt.9.180 kg.	No.	653.00
2.18	MS Flat for T-Off Bracing (900mm) 50x6mm Wt. 2.160 Kg	No.	155.00
2.19	MS X Plate of Channel 100 x 50 mm,(ISMC-100) 300mm Long Wt. 5.736 kg.	No.	400.00
2.20	MS X Plate of Channel 100 x 50 mm(ISMC-100), 460mm Long Wt. 8.796 kg.	No.	614.00
2.21	MS X Plate of Channel 75 x 40 mm(ISMC-75), 300mm Long Wt. 4.284 kg.	No.	305.00
2.22	MS X Plate of Channel 75 x 40 mm(ISMC-75), 460mm Long Wt. 6.568 kg.	No.	467.00
2.23	MS X Plate of Angle 40 x 40 x 6mm,300mm Long Wt. 2.1 kg.	No.	149.00
2.24	MS X Plate of Angle 40 x 40 x 6mm,460mm Long Wt.3.22kg.	No.	229.00
2.25	MS X Plate of Angle 50 x 50 x 6mm,300mm Long Wt. 2.7 kg.	No.	192.00
2.26	MS X Plate of Angle 50 x 50 x 6mm, 460mm Long Wt.4.14kg.	No.	295.00

Sr. No.	Description	Unit	Approved rates Applicable From 5 November 2018 to March 2019
2.27	MS X Plate of Angle 65 x 65 x 6mm,300mm Long Wt.3.48kg.	No.	242.00
2.28	MS X Plate of Angle 65x65x6mm,460mm Long Wt.5.336kg.	No.	372.00
3	Galvanized Angle and Channel of various sizes and V-Shape X-arms by using SAIL/TATA Make only		
3.1	Channel 1) 100x50mm(ISMC-100)	Ton	66170.00
	2) 75x40mm(ISMC-75)	Ton	67516.00
3.2	Angle 1. 65x65x6mm	Ton	66041.00
	2) 50x50x6mm	Ton	67516.00
3.3	Flat 50X6mm SAIL/TATA	Ton	68115.00
3.4	V-Shape X Arm 100x50 mm (ISMC-100)Wt. 13.200 kg.	No.	1097.00
3.5	V-Shape X Arm 75x40mm (ISMC-75)Wt. 10.100 kg.	No.	853.00
3.6	Channel (X-Arm) 100x50mm(ISMC-100) 2200mm (for H pole) Wt. 21.032 kg.	No.	1748.00
3.7	Channel (T-OFF) 100x50mm (ISMC-100) 3050mm Wt.29.60 kg	No.	2423.00
3.8	Channel T-off 75x40mm (ISMC-75) 3350 mm Wt. 22.60 kg	No.	2021.00
3.9	Channel T-off 75x40mm (ISMC-75) 2200mm for fuse unit Wt. 15.30 kg	No.	1327.00
3.10	Channel T-off 100x50mm (ISMC-100) 1600mm Wt. 15.40 kg	No.	1271.00
3.11	Angle Iron 50x50x6mm 3220mm (Bracing 4 pole) Wt.14.49 kg.	No.	1224.00
3.12	Angle 50x50x6mm-2860mm (Bracing H-pole)Wt. 12.87 kg.	No.	1087.00
3.13	Angle 50x50x6mm- 2400mm (for earth wire) Wt.10.80 kg.	No.	912.00
3.14	Angle 50x50x6mm- 2200mm (Belting for H-pole) Wt.9.90 kg.	No.	836.00
3.15	Angle 50x50x6mm- 2040mm (Belting 4 pole) Wt.9.180 kg.	No.	776.00
3.16	Flat for T-Off Bracing (900mm) 50x6mm Wt. 2.160 Kg	No.	184.00
4	Clamps (M.S)		
4.1	P.G Clamps for 30/50/80/100 mm ² ACSR Conductor	No.	40.00
4.2	Half Clamps Wt. 1.47 Kg	No.	106.00
4.3	Full Clamps Wt.2.325 Kg.	No.	167.00
4.4	33 KV Top Brackets / hamper Wt. 2.950 Kg.	No.	205.00
4.5	11 KV Top Brackets/hamper Wt. 1.480 Kg.	No.	106.00
4.6	Suspension Clamp Assembly with eye hook	No.	425.00
4.7	Dead end clamp Assembly with eye hook	Set	244.00

Sr. No.	Description	Unit	Approved rates Applicable From 5 November 2018 to March 2019
5	INSULATORS		
5.1	11 kV Pin Insulator	No.	34.00
5.2	11kV G.I. Pins	No.	59.00
5.3	Dead end fitting for 11 KV Disc. Insulator 45 KN. (T&C type)	No.	165.00
5.4	11 KV Disc. Insulator 45 KN. (B&S type)	No.	183.00
5.5	11 KV Polymeric Disc Insulator 45KN (with fitting (T&C Type)	No.	125.00
5.6	11 KV Polymeric Disc Insulator 45KN (with fitting (B&S Type)	No.	163.00
5.7	33 KV 70/90 KN Composite Polymeric Disc Insulator (T&C Type)	No.	330.00
5.8	33 KV 70/90 KN Composite Polymeric Disc Insulator (B&S Type)	No.	336.00
5.9	33 KV 45KN Composite Polymeric Disc Insulator (T&C Type)	No.	307.00
5.10	33 KV 45KN Composite Polymeric Disc Insulator (B&S Type)	No.	313.00
5.11	11 KV Polymeric Pin Insulator with Pin	No.	156.00
5.12	C-wedge Connector for 0.2sq" Panther Conductor (Nominal Aluminum Area 200 mm ²)	No.	1028.00
5.13	33 KV Pin Insulator with Pin	No.	648.00
5.14	Disc Fitting (T &C type)	No.	87.00
5.15	Disc Fitting (B &S type)	No.	137.00
5.16	LT Insulator	No.	10.00
5.17	Guy Insulator	No.	10.00
5.18	Single tension fittings for 130mm ² ACSR Conductor.	No.	134.00
5.19	Suspension fitting for 130 mm ² ACSR Conductor.	No.	113.00
6	CONDUCTOR		
6.1	ACSR Conductor 50mm ² (Rabbit)	Km.	36296.00
6.2	ACSR Conductor 80mm ² (Raccoon)	Km.	54472.00
6.3	ACSR Conductor 100mm ² (Dog)	Km.	72251.00
6.4	ACSR Conductor 100mm ² (Dog) insulated	Km.	75370.00
6.5	ACSR Conductor 130mm ² (Leopard)	Km.	83121.00
6.6	ACSR Conductor 150mm Sq.	Km.	106215.00
6.7	ACSR Conductor 0.2 sq. inch (Panther)	Km.	146567.00
7	G.I. WIRE		
7.1	Stay wire 7/8 SWG	MT	65773.00
7.2	GSL 8 SWG	MT	54367.00
7.3	Barbed wire	MT	62091.00
7.4	G.I. Strip 25x6 mm 9 mtr. For earthing Wt.10.80 Kg. (TATA/SAIL make)	No.	919.00
7.5	GSS Wire 7/14 SWG (2.24mm)	MT	74703.00
7.6	GSS Wire 7/8 SWG (4mm)	MT	61360.00

Sr. No.	Description	Unit	Approved rates Applicable From 5 November 2018 to March 2019
8	Distribution T/F Three Phase Aluminum Wound		
8.1	25 KVA, 11/0.433 kv 250 V three ph. Al. wound, BEE, 4 star rated oil immersed, naturally cooled conventional out-door type Distribution T/F as per Nigam Tech. Spec. and relevant ISS with latest amendments.	No.	50487.00
8.2	63 KVA, 11/0.433 KV- 250 V three ph. Al. wound, oil emmersed, naturally cooled, out-door type self protected Distribution T/F with metallic enclosure housing LV bushings as per latest Nigam's Tech. Specification and relevant ISS with latest amendments	No.	90838.00
8.3	100 KVA, 11/0.433 KV - 250 V three phase oil immersed, naturally cooled, Al. wound outdoor type Distribution T/F with CSP (Completely Self Protected) feature and the losses confirming to 4 star rating of B.E.E and confirming to Nigam Tech. Spec. and relevant ISS with latest amendments	No.	116126.00
8.4	200 KVA, 11/0.433 KV - 250 V three phase Al. wound, Oil immersed, naturally cooled, out door type Distribution T/F with CSP (Completely Self Protected) feature and the losses confirming to 4 star rating of B.E.E and confirming to latest Nigam Tech. Specifications and relevant ISS with latest amendments	No.	211279.00
8.5	250 KVA, 24.7 Amp. PATs (Pillot Advance Transformer).	No.	266893.00
9	3 Phase Copper Wound Distribution Transformer		
9.1	33KV/0.400 KV Copper Wound 100 KVA Distribution Transformer	No.	188800.00
9.2	400 KVA, three phase 11KV/433-250 V, oil immersed, naturally cooled copper wound outdoor type Distribution Transformers as per latest Nigam Technical Specification with amendments relevant ISS with latest amendments.	No.	759477.00
9.3	630 KVA, three phase 11KV/433-250 V, oil immersed, naturally cooled copper wound outdoor type Distribution Transformers as per latest Nigam Technical Specification with amendments relevant ISS with latest amendments.	No.	885770.00
9.4	990 KVA, three phase 11KV/433-250 V, oil immersed, naturally cooled copper wound outdoor type Distribution Transformers as per latest Nigam Technical Specification with amendments relevant ISS with latest amendments.	No.	1378479.00
10	POWER T/Fs		
10.1	3.5 MVA three phase 50 Hz, 33/3.3 KV Step down, outdoor ONAN Power Transformer Complete with all accessories / fittings and conforming to latest Nigam's Technical Specification with amendments relevant ISS with latest amendments.	No.	3142879.00
10.2	5 MVA three phase 50 Hz, 33/3.3 KV Step down, outdoor ONAN Power Transformer Complete with all accessories / fittings and conforming to latest Nigam's Technical Specification with amendments relevant ISS with latest amendments.	No.	3670888.00
10.3	10 MVA three phase 50 Hz, 33/11 KV Step down, outdoor ONAN Power Transformer Complete with all accessories / fittings and conforming to latest Nigam's Technical Specification with amendments relevant ISS with latest amendments.	No.	5120208.00
10.4	12.5 MVA three phase 50 Hz, 33/11 KV Step down, outdoor ONAN Power Transformer Complete with all accessories / fittings and conforming to latest Nigam's Technical Specification with amendments relevant ISS with latest amendments.	No.	6072551.00
11	VCB's		
11.1	11kV VCB panels (Incoming, out going & capacitor panels) 25KA, 475 MVA rupturing capacity 24v DC operated indoor type with a set of CTs, PTs KWH Meter, Relays, instruments etc. complete in all respects conforming to Nigam's Tech. Spcn. & all relevant ISS/IEC with latest amendments		
(a)	Rating 1250 Amps. For Incoming Panel (indoor type).	No.	330850.00
(b)	Rating 400 Amps. For Outgoing Panel (indoor type).	No.	262981.00

Sr. No.	Description	Unit	Approved rates Applicable From 5 November 2018 to March 2019
(c)	Rating 400 Amps. For Capacitor control Panel(indoor type).	No.	226231.00
11.2	11 KV VCB 230 Volt A.C. Operated out-door type Rating 800 Amp. Incoming VCB	No.	255503.00
11.3	11 KV VCB 230 Volt A.C. Operated out-door type Rating 400 Amp. Outgoing VCB	No.	254002.00
11.4	33 KV VCB, 36 KV, 1250A with 1000 MVA (16 KA for 1 second) rupturing capacity VCB for out door use.	No.	217120.00
11.5	33 KV Indoor VCB	No.	826000.00
12	LA'S		
12.1	Lightening Arrestor 9 KV	No.	432.00
12.2	11 KV Lightening Arrestor S/Stn. Type 9 KV 10KA Heavy Duty.	No.	2571.00
12.3	33 KV Lightening Arrestor S/Stn. Type 30 KV 10KA Heavy Duty.	No.	4062.00
13	G.O. SWITCH		
13.1	11 KV 400 Amps. GO Switch complete with handle, pipe & Supporting Channel. As per Nigam's technical specification, relevant ISS and latest amendments		
(a)	9 Mtr	No	6500.00
(b)	11 Mtr	No	6630.00
13.2	11 KV double throw GO Switch 400A, having Y type blades complete in all respect as per latest Nigam's tech. spec. relevant ISS and latest amendments.	No.	9170.00
14	Nuts & Bolts		
14.1	M.S Nuts Bolts off sizes	Kg.	78.00
14.2	Eye Screw Bolts 9"x5/8" Wt. 0.483 Kg. (G.I)	No.	44.00
14.3	U-Bolt for suspension fittings Wt. 0.600Kg. (G.I)	No.	55.00
14.4	G.I. Nuts & Bolts off sizes	Kg.	91.00
15	CTs		
15.1	11 KV CT's		
(i)	11 KV Protection CT	No.	8551.00
(ii)	11 KV MeasuringCT	No.	2469.00
15.2	33 KV CTs		
(i)	400-200/5-5-5-5A	No.	17111.00
(ii)	300-150/5-5-5-5A	No.	16536.00
(iii)	200-100/5-5-5-5A	No.	16118.00
15.3	33 KV Combined Current Transformer & Potential Transformer unit with Junction Box complete in all respect	No.	118257.00
16	LT CTs		
(i)	Ratio 50/5A	No.	307.00
(ii)	Ratio 100/5A	No.	388.00
17	PTs		
17.1	33 KV PTs	No.	13155.00
17.2	11 KV PT	No.	7543.00
18	CAPACITORS		
18.1	LT Shunt Capacitor (Gas filled MPP Type) 3 KVAR unit	No.	329.00

Sr. No.	Description	Unit	Approved rates Applicable From 5 November 2018 to March 2019
18.2	Capacitors 3.33 MVAR (with Structure.)	No.	468514.00
19	POST INSULATOR		
19.1	33 KV Post insulator	No.	411.00
20	SPACERS		
20.1	LT Line spacers	No.	10.00
21	SINGLE PHASE ENERGY METER		
21.1	Single Phase DLMS compliant whole current static energy meters Class-I Accuracy 1.00 as per Nigam's Tech. Spec., relevant ISS with upto date amendments.of rating 10-60A with Communication and upgrading facility along with latest amendments (with out meter cover box)	No.	591.00
21.2	Single Phase DLMS compliant whole current static energy meters Class-I Accuracy 1.00 as per Nigam's Tech. Spec., relevant ISS with upto date amendments.of rating 10-60A with Communication and upgrading facility along with latest amendments (with meter cover box)		684.00
22	THREE PHASE ENERGY METER		
22.1	Three phase 4-wire DLMS compliant whole current static energy meters class-I accuracy of rating 10-60A, with communication facility with self locking type polycarbonate meter box along with latest amendments	No.	1688.00
22.2	Three phase 4 – wire LT CT operated Static meter of class 0.5s accuracy -/5A as per IS- 14697/IEC-687/CBIP-88 Specification (latest Version & Nigams Tech. Spec. and latest amendments thereof. (LT CT Consumer meter)	No.	1641.00
22.3	11 KV CT/PT Operated Static Consumer Meter (DLMS Compliant) of class 0.5S accuracy & rating -/5 A as per IS-14697 & IS-15959 Category -C Nigam technical specification with latest amendments thereof.	No.	2124.00
22.4	Three Ph. 4 Wire 11 KV feeder meter (DLMS compliant) of class 0.5S accuracy & rating -/5 A as per IS-14697 & IS-15959 Category-A Nigam technical specification with latest amendments thereof.	No.	2124.00
22.5	HT Trivector (DLMS compliant Meter (Category-A) with all accessories for complete installation as per tech. specifitcaiton no CSC-45/Rev-III/DH/UH/P&D/2015-16 subject to change in parameters i.e. voltage ratio 33 KV /110V, 0.2 accuracy class, current ratio-/1A	No.	24549.00
22.6	Three phase 4 – wire LT CT operated (Inbuilt CTs) Static Energy meters (40-200 Amps) fo class 1.0 accuracy (DLMS compliant consumer meter) with GSM modem and conforming to Nigam's Specification and latest amendments thereof.	No.	12955.00
22.7	11 KV Pifer Resistant Metering Cubicles consisting of 1 No. 3 Phase Dry type potential transformer confirming & 3 Nos. 11 KV Measuring CTs of various ration confirming with latest amendments thereof.	No.	31718
23	Meter Cover Box		
23.1	Deep Drawn M.S. Sheet Weather Proof Outdoor Type Meter Cover Box for Single Phase Meter size 300x250x160mm along with Zinc plated clamps as per Nigam's Tech. Spec.	No.	353.00
23.2	Deep Drawn M.S. Sheet Weather Proof Outdoor Type Meter Cover Box for Three Phase Meter size 500x300x160mm along with Zinc plated clamps as per Nigam's Tech. Spec.	No.	1160.00
23.3	Deep Drawn type double door & double compartment LT CT Three Phase Metering Box for DT meter as per Nigam's Tech. Spec.	No.	1943.00
23.4	Polycarbonate Weather Proof Outdoor Type Meter Cover Boxes sizes 315*265*130 mm for Single Phase Meter along with Zinc plated Clamps as per Nigam's Tech. Spec.	No.	330.00
23.5	Polycarbonate Weather Proof Outdoor Type Meter Cover Boxes for three phase meters 445mm x 345mm x 170mm along with Zinc plated Clamps as Nigam's Tech. Spec.	No.	512.00
23.6	4in 1 Meter Cover Box (MCB) Polycarbonate for housing 4 Nos. Single Phase Energy Meters complying with Nigam's Technical Specification	No.	1345.00
24	C&R Panel		
24.1	33 KV C&R panel as per Nigams Tech. Specn. & confirming to relevant ISS with latest amendments.	No.	165000.00
25	ISOLATOR		

Sr. No.	Description	Unit	Approved rates Applicable From 5 November 2018 to March 2019
25.1	36 KV Isolator (630 AMPS)	No.	30027.00
26	L&E Switch		
26.1	36 KV Isolator cum earth switch	No.	38254.00
27	11 KV 8 Panel Board Consisting of follwing as per Nigam's Tech specn, reliveant ISS and latest ammendments thereof		
27.1	Out Going Panel = 6 No	Set	2577474.00
	I.C Panel = 1 No.		
	Capacitor Panel = 1 No.		
28	NCT		
28.1	11 KV NCT 600/5 AMP.	No.	9687.00
29	LT PVC CABLES		
29.1	S/C 50 mm2	Km.	41564.00
29.2	S/C 95 mm2	Km.	76000.00
29.3	S/C 120 mm2.	Km.	94287.00
29.4	S/C 185 mm2.	Km.	168229.00
29.5	S/C 300 mm2	Km.	248075.00
29.6	S/C 630 mm2	Km.	417956.00
29.7	2Cx6 mm2	Km.	17934.00
29.8	2Cx10 mm2	Km.	19590.00
29.9	2Cx16 mm2	Km.	40104.00
29.10	3.5 Cx 95 mm2	Km.	257545.00
29.11	3.5 Cx120mm2	Km.	313922.00
29.12	3.5 Cx185mm2	Km.	431161.00
29.13	3.5 Cx300mm2	Km.	680830.00
29.14	4Cx16 mm2	Km.	57202.00
29.15	4Cx25 mm2	Km.	85034.00
29.16	4Cx50mm2	Km.	155365.00
30	L.T. ARMOURED CABLES		
30.1	2/Cx6mm2	Km.	39952.00
30.2	2/Cx10mm2	Km.	41472.00
30.3	3.5/Cx 25 mm2	Km.	100239.00
30.4	3.5/Cx50 mm2	Km.	155643.00
30.5	4Cx16mm2	Km.	82222.00
30.6	4Cx25mm2	Km.	113100.00
31	L.T. ARMOURED XLPE Cable		
31.1	S/Cx25 mm2	Km.	45642.00
31.2	S/Cx 50 mm2	Km.	66876.00
31.3	S/Cx 95 mm2	Km.	99556.00

Sr. No.	Description	Unit	Approved rates Applicable From 5 November 2018 to March 2019
31.4	S/Cx120 Sq mm2	Km.	122809.00
31.5	3.5Cx95 mm2	Km.	290876.00
31.6	4Cx25 mm2	Km.	112081.00
31.7	4Cx50 mm2	Km.	178495.00
31.8	4Cx95 mm2	Km.	285221.00
31.9	4Cx120 Sq mm	Km.	454300.00
32	LT XLPE AB Cables		
32.1	3Cx16+25mm2	Km.	53671.00
32.2	3Cx25+25mm2	Km.	70862.00
32.3	3Cx50+35mm2	Km.	122202.00
32.4	3Cx95+70mm2	Km.	226156.00
32.5	3Cx120+70mm2	Km.	274762.00
33	H.T. XLPE CABLES		
33.1	11 KV XLPE Cable S/Cx 630mm2	Km.	657171.00
33.2	11 KV XLPE Cable 3Cx 25mm2	Km.	232421.00
33.3	11 KV XLPE cable 3Cx50mm2	Km.	420479.00
33.4	11 KV XLPE cable 3C x95mm2	Km.	582881.00
33.5	11kV XLPE Cable 3Cx185mm2	Km.	801053.00
33.6	11 KV XLPE cable 3Cx300mm2	Km.	1128664.00
34	UN-ARMoured COPPER CONTROL CABLE	Km.	
34.1	2C x 4mm2	Km.	66606.00
34.2	2C x 6mm2	Km.	91403.00
34.3	3C x 4mm2	Km.	90105.00
34.4	4C x 4mm2	Km.	115502.00
34.5	6C x 4mm2	Km.	144222.00
34.6	7C x 2.5mm2	Km.	121224.00
34.7	10C x 2.5mm2	Km.	170408.00
35	HT AERIAL BUNCHED CABLE (ABC)		
35.1	3Cx35+35mm2	Km.	311724.00
35.2	3Cx35+70mm2	Km.	332738.00
35.3	3Cx50+70mm2	Km.	369436.00
35.4	HT AB Cable XLPE insulated cores twisted with bare messenger Al. alloy wire cable 11 KV grade as per Specification size 3Cx95mm2 + 80mm2	Km.	511666.00
35.5	HT ABC XLPE insulated cores twisted with bare messenger Al. alloy wire cable 11 KV grade as per Specification size 3Cx150mm2 + 120mm2	Km.	674391.00
35.6	HT ABC XLPE insulated cores twisted with bare messenger Al. alloy wire cable 11 KV grade as per Spec. size 3Cx185mm2 + 150mm2	Km.	793706.00
35.7	HT ABC XLPE insulated cores twisted with bare messenger Al. alloy wire cable 11 KV grade as per Spec. size 3Cx185mm2 + 240mm2	Km.	850551.00
36	33 KV HT XLPE Cable		
36.1	S/C 300mm2	Km.	584508.00

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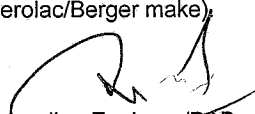
Sr. No.	Description	Unit	Approved rates Applicable From 5 November 2018 to March 2019
36.2	S/C 630mm ²	Km.	887250.00
36.3	3C x 95mm ²	Km.	880902.00
36.4	3C x 120mm ²	Km.	971251.00
36.5	3C x 150mm ²	Km.	1070432.00
36.6	3C x 185mm ²	Km.	1180905.00
36.7	3/C 300mm ²	Km.	1486861.00
36.8	3/Cx400mm ²	Km.	1891481.00
37	33 KV Aerial Bunched Cable		
37.1	3 core X 95+95mm ²	Km.	851612.00
37.2	3 Core X120+150mm ²	Km.	967933.00
37.3	3 Core X 185+240mm ²	Km.	1229202.00
38	HT 11KV XLPE U/G outdoor Heat Shrinkable termination kit		
38.1	3Cx95mm ²	No.	783.00
38.2	3Cx120mm ²	No.	969.00
38.3	3Cx185mm ²	No.	969.00
38.4	3Cx300mm ²	No.	1187.00
38.5	SCx630mm ²	No.	700.00
39	HT 11KV XLPE U/G indoor Heat Shrinkable termination kit		
39.1	3Cx50mm ²	No.	617.00
39.2	3Cx95mm ²	No.	617.00
39.3	3Cx120mm ²	No.	826.00
39.4	3Cx185mm ²	No.	826.00
39.5	3Cx300mm ²	No.	912.00
39.6	SCx630mm ²	No.	515.00
40	HT 11KV XLPE U/G Heat Shrinkable ofr Straight Through Joint Kit		
40.1	3Cx50mm ²	No.	2256.00
40.2	3Cx120mm ²	No.	2820.00
40.3	3Cx300mm ²	No.	3196.00
40.4	SCx630mm ²	No.	1500.00
41	Outdoor Heat Shrinkable termination kit for 11 KV HT AB Cable		
41.1	35mm ²	No.	234.00
41.2	50mm ²	No.	245.00
41.3	95mm ²	No.	248.00
41.4	120mm ²	No.	250.00
41.5	150mm ²	No.	255.00
41.6	185mm ²	No.	352.00
41.7	240mm ²	No.	365.00
41.8	300mm ²	No.	372.00
42	Heat Shrinkable for Straight Through Joint Kit for 11 KV HT AB Cable		
42.1	35mm ²	No.	559.00
42.2	50mm ²	No.	561.00
42.3	95mm ²	No.	563.00
42.4	120mm ²	No.	566.00
42.5	150mm ²	No.	713.00
42.6	185mm ²	No.	730.00
42.7	240mm ²	No.	858.00
42.8	300mm ²	No.	860.00

Sr. No.	Description	Unit	Approved rates Applicable From 5 November 2018 to March 2019
43	11 KV OUTDOOR S/C CABLE TERMINATION KIT		
43.1	S/Cx16mm ² to 50mm ² Cable	No.	309.00
43.2	S/Cx70mm ² to 120mm ² Cable	No.	350.00
43.3	S/Cx150mm ² to 300mm ² Cable	No.	499.00
44	3/C Cable Heat Shrink type straight through joint of sizes		
44.1	3/Cx50mm ² Cable	No.	2005.00
44.2	3/Cx95mm ² Cable	No.	2257.00
44.3	3/Cx120mm ² Cable	No.	2314.00
44.4	3/Cx185mm ² Cable	No.	2375.00
44.5	3/Cx300mm ² Cable	No.	3034.00
44.6	S/Cx630mm ² Cable	No.	2159.00
45	33 KV HT XLPE Cable Indoor Jointing kit		
45.1	S/C 300mm ²	No.	1002.00
45.2	S/C 630mm ²	No.	1353.00
45.3	3/C 300mm ²	No.	2708.00
46	33 KV HT XLPE Cable outdoor Jointing kit		
46.1	S/C 300mm ²	No.	1299.00
46.2	S/C 630mm ²	No.	1624.00
46.3	3/C 300mm ²	No.	3571.00
47	33 KV HT XLPE Cable Straight Jointing kit		
47.1	S/C 300mm ²	No.	2922.00
47.2	S/C 630mm ²	No.	3679.00
47.3	3/C 300mm ²	No.	10390.00
48	33 KV AB Cable 3/C Indoor Jointing kit		
48.1	3/Cx95+95mm ²	No.	2035.00
48.2	3/Cx120+150mm ²	No.	2327.00
48.3	3/Cx185+240mm ²	No.	2327.00
49	33 KV AB Cable 3/C outdoor Jointing kit		
49.1	3/Cx95+95mm ²	No.	2598.00
49.2	3/Cx120+150mm ²	No.	2922.00
49.3	3/Cx185+240mm ²	No.	2922.00
50	33 KV AB Cable 3/C Straight Jointing kit		
50.1	3/Cx95+95mm ²	No.	7035.00
50.2	3/Cx120+150mm ²	No.	9957.00
50.3	3/Cx185+240mm ²	No.	9957.00
51	33 KV STEEL STRUCTURE Galvanized by using steel of SAIL/TATA rates complete in all respect I/C Base plate, GI Nuts, Bolts & Washers etc.		
51.1	CTs/PTs Wt.87.62 Kg	No.	7269.00
51.2	LA's/Post Insulators Wt.76.38Kg.	No.	6337.00
51.3	Isolator/L& E Switch Wt.288.36 Kg.	No.	23924.00
51.4	11 KV NCT Wt.92.37 Kg	No.	7663.00
51.5	Combined 33 KV CT & PT unit complete weight 165 kg	No.	13689.00

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Sr. No.	Description	Unit	Approved rates Applicable From 5 November 2018 to March 2019
51.6	Lattice Tower Structure D/C 42 ft long Wt. 653 KG	No.	54176.00
52	Fire fighting/Safety Eqpt. For Control Room.		
52.1	Dry Chemical type fire extinguisher 5 Kgs.	No.	1028.00
52.2	CO2 type fire extinguisher 10 Kgs.	No.	6170.00
51.3	Gas Presser CTC fire extinguisher.	No.	1440.00
53	Fire fighting/Safety Eqpt. For Yard.		
53.1	Dry Chemical type fire extinguisher 10 Kgs.	No.	1440.00
53.2	CO2 type fire extinguisher 22.5 Kg.	No.	15425.00
53.3	Fire Buckets 10 Ltr. Capacity	No.	72.00
54	Switch Yard illumination system		
54.1	Mercury Lamp 250 Watt complete with water proof fitting along with pipe.	No.	6170.00
55	Battery & Battery Charger		
55.1	NI-Cd Alkaline Batteries (Partial recombination type) with charger for 33/11KV & 66/11 KV S/Stn. As per Nigam's tech. Spec., relevant ISS with latest amendments.	Set.	101834.00
56	HT APFC Panel 12 KV, 4 Step with enclosures, Relay, Vacuum contractor, Reactor 0.2% S.R, HTHRC, Fuse 63/100 Amp 11KV all fittings, Panel, Busbar, Post Insulator, Structure, Elect Consumable etc. and all Acc reqd.		
	(i) Rating 3600 KVAR	No.	1072715.00
	(ii) Rating 3000 KVAR	No.	855441.00
	(iii) Rating 2400 KVAR	No.	840119.00
	Capacitor Cells 200 KVAR	No.	13613.00
	Capacitor Cells 400 KVAR	No.	23963.00
57	MISCELLANEOUS MATERIALS		
57.1	Transformer plat form complete set Wt.69 Kg.	No.	4815.00
57.2	11 KV Single Pole mounted GO/AB switch with operating handle and insulator	No.	5619.00
57.3	Stay Sets 8' long complete with X-Plat 460mm of Angle 65x65x6 Elbow & rod Wt. 13.80 Kg. Consist of the following	No.	
a	Rod 20 mm dia 8 ft long Wt. 6.224 KG	No.	484.00
b	X-Plate 460mm of L 65x65x6mm Wt. 5.336 KG	No.	372.00
c	Elbow & Nut Wt. 2.240 KG	No.	178.00
	Total		1034.00
57.4	GI Elbow & Nut Wt. 2.240 KG	No.	208.00
57.5	Earthing Rod Wt. 6.175 Kg.	No.	480.00
57.6	G.I. Pipe 40 mm dia 6 mtr. Long for earthing set. B - Class	No.	1901
57.7	Phase plate for each phase set of 3 (on each H-Pole & 4-Pole)	Set	57.00
57.8	Danger Plate Enameled with Clamp	No.	68.00
57.9	Number Plate with Clamp	No.	68.00
57.10	D-Straps	No.	68.00
57.11	Insulated connectors	No.	72.00
57.12	L.T. Distribution box (sealable with lock facility) suitable for 10 No. Consumers. (2mm CRCA sheet box, Bus bars for load as per 25 KVA DT/Fs only with holes for incoming cable and O/G cable with rubber glands.	No.	514.00
57.13	Earth Mat for switch yard 75x8mm	Ton	57871.00
57.14	Earthing of 33 KV S/Stn. With earth rod & Earthing plate	No.	5090.00

Sr. No.	Description	Unit	Approved rates Applicable From 5 November 2018 to March 2019
57.15	LT Distribution panel board for 33 KV S/Stn. as per Nigam's tech. specification	No.	35005.00
57.16	C.I Pipe 250 mm dia 14mm thick for U/G railway x-ing	Mtr.	1656.00
57.17	Premier Insulating Mat 'B' Class as per IS-15652:2006	Mtr.	2777.00
57.18	LT Fuse Unit Board for use on DTs from 25,63,100 & 200 KVA Distribution Transformer	No.	514.00
57.19	HDPE Pipe 160 mm dia	Mtr.	709
57.20	G.I. Pipe 100 mm dia B - Class with clamp	Mtr.	304
58	Material Related to Meter Pillar Box		
58.1	Metallic Meter Pillar Box (MMPB) to house 20-Nos. of Single Phase Meters in accordance with approved design / drawing of Nigam with separators, in-let and out-let holes per cable, door lock, transparent glass cover for Meter Reading, Civil Works / Plinth etc. (20X1 MMPB)	No.	11215.00
58.2	Metallic Meter Box (MMB) to house 6 Nos. of Single Phase Meters in accordance with approved design / drawing of Nigam, in-let and out-let holes per cable, transparent glass cover for Meter Reading, to be mounted on PCC Poles etc (6 X 1 MMB)	No.	2423.00
58.3	Metallic Meter Box (MMB) to house 4 Nos. of Single Phase Meters in accordance with approved design / drawing of Nigam, in-let and out-let holes per cable, transparent glass cover for Meter Reading, to be mounted on PCC Poles etc (4 X 1 MMB)	No.	1615.00
58.4	Meter Outgoing Connectors Box	No.	1346.00
58.5	Cleats 10 Hole for Routing of LT PVC Cables to be mounted on PCC Poles	No.	18.00
58.6	Cleats 5 Hole for Routing of LT PVC Cables to be mounted on PCC Poles	No.	17
59	11 KV Vaccum Interrupers		
59.1	Model WL-34599 M3+	No.	21799.00
59.2	Model VG-2	No.	23304.00
59.3	Model WL-33379 M3+	No.	23870.00
59.4	Model VL-35463.50+	No.	21799.00
60	33 KV Monopole		
60.1	PA Type Monopole	No.	221416.00
60.2	PB Type Monopole	No.	552138.00
60.3	PC Type Monopole	No.	743305.00
60.4	PD Type Monopole	No.	933971.00
61	Battery Bank along with Charger		
61.1	Battery Charger (per unit) of 24 V 200 AH Capacity	No.	51772.00
61.2	Battery Bank (per unit) of 24 V 200 AH Capacity	No.	58581.00
62	33KV LBS 33/0.400 KV	No.	236000.00
63	Test Terminal Block	No.	635
64	Various cable Accessories	No.	
64.1	Insulated Piercing Connector (IPC) (50-150 mm ² / 50-150 mm ²)	No.	104.00
64.2	Insulated Piercing Connector (IPC) (16-95 mm ² / 4-50 mm ²)	No.	88.00
64.3	Suspension clamp with bracket (NFC Type) (25-70 mm ²)	No.	331.00
65	Mid - Span Joints		
(a)	Mid - Span Joints for 95 mm ²	No.	135.00

Sr. No.	Description	Unit	Approved rates Applicable From 5 November 2018 to March 2019
(b)	Mid - Span Joints for 50 mm ²	No.	123.00
(c)	Mid - Span Joints for 25 mm ²	No.	118.00
65.1	Dead end clamp for bare messenger with hook bolt through Pole (16-95 mm ²)	No.	436.00
65.2	Bi-Metallic PG Clamp Cu/Al with Cover (12 mm Dia rod - 95 mm ² Al cable)	No.	223.00
65.3	Anchoring / Dead end clamp for 6/8 SWG (4.877 - 4.064 mm) GSL Tension Clamp (6/8 SWG (4.877 - 4.064 mm) GSL Dead End)	No.	496.00
65.4	SS Strap with adjustable screw (For Clamping of Armour for 25, 50, 95 mm ²) & Support GSL/jublie clamp (25, 50, 95 mm ²)	No.	15.00
65.5	Insulation mastic Tape (2 inch X 10 feet)	No.	793.00
65.6	Dead end clamp for armoured cable wooden cleat (Loop) (25-95 mm ²)	No.	450.00
65.7	Service Clamp for 2 core - 10 mm ² PVC cable with strap & buckle & bracket (2 Core - 10 mm ²)	No.	247.00
65.8	Insulated Bi-Metallic lags / Thimble (95 mm ²)	No.	420.00
65.9	LT Fuse box - SMC with pole clamp (30 inch X 18 inch X 8 inch)	No.	540.00
66	SS Cable ties releasable ARC		
(a)	SS Cable ties releasable ARC for Dia - 200 mm	No.	5.00
(b)	SS Cable ties releasable ARC for Dia - 250 mm	No.	6.00
<p>1. The steel to be used should be of SAIL/TATA Make only. The above rates are inclusive of all taxes including GST, F&I & FOR destination.</p> <p>2. The rates of steel fabricated items are inclusive painting (Red Oxide+ Aluminium paints of Asian/Nerolac/Berger make).</p>			
 Superintendent Engineer/P&D, For CE/PD&C. DHBVN. Hisar			

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