

SUBJECT: - Item Wise Rates For the 11 KV Turnkey works, issued by the office of CGM/ P&D,DHBN for the FY-2008-09 (Quarter April – June 08) For the purpose of preparation of estimates.

The item wise rates for the 11 KV turnkey works for the Quarter April - June 2008 (FY 2008-09) are approved by taking into account the latest PO rates of MM Cell, UHBN rates, AP cost data 05-06,DG&D rates, REC cost data and COS rates.

Sr. No.	Description	Unit	Approved rates quarter April to June 08 (FOR Destination-all inclusive)	Remarks
1	<u>LINE SUPPOTRTS</u>			
1.1	PCC Poles 8.0M Long.	No	1250	No change
1.2	PCC Poles 9.0M Long.	No	1540	No change
1.3	PCC Poles 11.0M Long.	No	3849	No change P.O.No.DH-568 dt. 6.11.07
2	<u>X-ARMS</u>			
2.1	V-Shape X Arm 100x50x6 mm	No	400	No change
2.2	V-Shape X Arm 75x40x6 mm	No	272	No change
2.3	M.S. Channel (X-Arm) 100x50x6mm 2200mm (for H pole)	No	804	Assessment as per Market Rate dated-22.03.2008
2.4	MS Channel 75x40x6mm (2200mm) For fuse unit.	No.	580	
2.5	MS channel T-off 100x50x6 mm (1600mm).	No.	585	
2.6	M.S. Angle 50x50x6mm-3220mm(Bracing 4 pole)	No.	610	
2.7	M.S. Angle 50x50x6mm-2860mm (Bracing H. pole)	No.	531	
2.8	M.S.Angle Iron 50x50x6mm 2400mm(for earth wire)	No.	455	
2.9	M.S Angle 50x50x6mm-2200mm (Belting for H-pole)	No.	417	
2.10	M.S. Angle 50x50x6mm- 2040mm (Belting 4 Pole)	No.	387	
2.11	MS flat for T-off Bracing (900mm)50x6mm	No.	92	Rate Calculated in view of P.O. No. DH-599 dated- 13.03.2008
3	<u>CLAMPS</u>			
3.1	P.G. Clamps for 30/50/80/100 mm ² .	No	45	No change
3.2	Half Clamps	No	66	No change
3.3	Full Clamps	No	130	No change
3.4	Top Brackets / hamper	No	56	No change
3.5	Suspension Clamp Assembly with eye hook	No	400	No change
3.6	Dead end clamp Assembly with eye hook	No	39.64	No change
3.7	C-Type Wedge Connectors Panther to Panther	No.	880.14	CGM/P&D DHBN, Hisar Supply of Material Contract No. Ch-75/TED-34/DDD-2 dated- 17.01.2008 with M/S Tyco Electronics System India Pvt. Ltd. New Delhi.
3.8	C-Type Wedge Connectors Panther to Wolf	No.	787.49	
3.9	C-Type Wedge Connectors Wolf to Wolf	No.	463.23	
3.10	C-Type Wedge Connectors Wolf to Dog.	No.	481.76	
3.11	C-Type Wedge Connectors Dog to Dog.	No.	277.94	
3.12	C-Type Wedge Connectors Panther to Dog.	No.	787.49	
3.13	C-Type Wedge Connectors 100 mm ² to 80mm ²	No.	254.78	
3.14	C-Type Wedge Connectors 100 mm ² to 50 mm ²	No.	254.78	
3.15	C-Type Wedge Connectors 100 mm ² to 30 mm ²	No.	254.78	
3.16	C-Type Wedge Connectors 80 mm ² to 80 mm ²	No.	254.78	
3.17	C-Type Wedge Connectors 80 mm ² to 50 mm ²	No.	254.78	
3.18	C-Type Wedge Connectors 80 mm ² to 30 mm ²	No.	254.78	
3.19	C-Type Wedge Connectors 50 mm ² to 50 mm ²	No.	125.07	
3.20	C-Type Wedge Connectors 50 mm ² to 30 mm ²	No.	125.07	
3.21	C-Type Wedge Connectors 30mm ² to 30mm ²	No.	125.07	
3.22	C-Type Wedge Connectors 30m ² to 20mm ²	No.	125.07	
3.23	C-Type Wedge Connectors 30m ² to 10mm ²	No.	125.07	
4	<u>INSULATORS</u>			
4.1	11 kV Pin Insulator	No	26.9	No change
4.2	11kV G.I. Pins	No	46.5	No change
4.3	11 KV Disc. Insulator (45 KN. T&C type)	No	170	No change
4.4	Disc Fitting (T &C type)	No	101	No change
4.5	33kv Polymeric Insulator 33 Kv, 45KN, Long Rod Insulators (C&T type)	Nos.	625	P.O. No. DH-591/RC-23

4.6	11kv Polymeric Insulator 11 Kv, 45KN, Long Rod Insulators (C&T type)	Nos.	270	dated-15.02.2008
4.7	LT insulator	No	6	No change
4.8	Guy Insulator	No	5.7	No change
5	<u>CONDUCTOR</u>			
5.1	ACSR Conductor 30mm2 (Weasel)	Km	16338	Due to increasing trend the rates revised.
5.2	ACSR Conductor 50mm2 (Rabbit)	Km	26828	
5.3	ACSR Conductor 80mm2 (Raccoon)	Km	40698	
5.4	ACSR Conductor 100mm2 (Dog)	Km	56747	
6	<u>G.I. WIRE</u>			
6.1	Stay wire 7/8 SWG	Kg	43	No Change Rate Contract No.13 & 14 both dt 2.7.07 with M/s Ram Sarup Indl. Corpn., Kolkata & M/s Manohar Lal Hira Lal Ltd., G.bad (UP)
6.2	GSL 8 SWG	Kg	40	No change Rate Contract No. 12 dt 2.7.07 with M/s Ram Sarup Indl. Corpn., Kolkata
6.3	Barbed wire	Kg	27	No Change
7	<u>Distribution T/F Single Phase Copper Wound</u>			
7.1	5 KVA, 11/√ 3KV/240 Volt. Single phase Copper wound Amorphous/CRGO Core Distribution T/F with LT Side protection [having Distribution box with DT meter(GSM/GPRS compatible RS-232 Port with modem), CSP/MCCB & all fittings]	No.	22115	No change
7.2	10 KVA, 11 /√ 3 KV/240 V single phase copper wound Amorphous/ CRGO Core oil filled Distribution T/Fs [having Distribution box] with CSP/MCCB & all fittings.	No.	42,000.00	No change M/S Kotsan quoted in Rajasthan utility, the lowest rate
7.3	16 KVA, 11 /√ 3 KV/240 V single phase copper wound Amorphous/ CRGO Core oil filled Distribution T/Fs [having Distribution box] with CSP/MCCB & all fittings.	No.	49800	No change M/S Kotsan quoted in Rajasthan utility, the lowest rate
8	<u>Distribution T/F Three Phase Copper Wound</u>			
8.1	10 KVA, 11/0.433 KV three phase copper wound, Amorphous/CRGO core Distribution T/F with DT meter, CSP/MCCB & GSM compatible with RS-232 Port (without modem)	No.	45000	No change
8.2	16 KVA, 11/0.433 kv three phase copper wound Amorphous/ CRGO core Distribution T/F with DT meter CSP/ MCCB & GSM compatible RS-232 Port, (without modem)	No.	54000	No change As per assessment from market / transformer manufacturer
8.3	25 KVA, 11/0.433 kv three phase copper wound conventional out-door type Distribution T/F with internal CSP features, CT ratio 50/5A, Distribution box with DT meter(GSM compatible RS-232 Port without modem). Meter should be of Secure/ Genus/ABB/L&T make as per Nigam's Technical Specification for better communication facilities, the material for DT meter box shall be of unbreakable, high grade, Fire resistant, reinforced, high grade & good quality engineering plastic and CT shall be mounted inside the box.	No.	70500	No Change As per assessment from market / transformer manufacturer.
9	<u>Distribution T/F Three Phase Aluminium Wound</u>			
9.1	25 KVA, 11/0.433 kv three phase Al. wound conventional out-door type Distribution T/F with internal CSP features, CT ratio 50/5A, Distribution box with DT meter(GSM compatible RS-232 Port with modem). Meter should be of Secure/ Genus/ABB/L&T make as per Nigam's Technical Specification for better communication facilities, the material for DT meter box shall be of unbreakable, high grade, Fire resistant, reinforced, high grade & good quality engineering plastic and CT shall be mounted inside the box.	No.	70500	No change The supply is being received in Store with modem.

9.2	40 KVA, 11/0.433 KV three phase Al. wound Amorphous/CRGO core Distribution T/Fs [having Distribution Box with DT meter(GSM/GPRS compatible RS-232 Port with modem), CSP/MCCB & all fittings] and also having three star rating of BEE.	No.	70000	No change
9.3	63 KVA, 11/0.433 KV three phase Al. wound conventional out door type Distribution T/F, Distribution Box with internal CSP, CT ratio 100/5A, DT meter (GSM compatible RS-232 Port with modem), Meters should be of Secure/ Genus/ABB/L&T make as per Nigam's Technical Specification for better communication facilities, the material for DT meter box shall be of unbreakable, high grade, Fire resistant, reinforced, high grade & good quality engineering plastic and CT shall be mounted inside the box.	No.	104000	No change
9.4	100 KVA, 11/0.433 KV three phase Al. wound conventional out door type Distribution T/F with internal CSP features & DT meter (with box), CT ratio 200/100/5A having RS-232 Communication Port (with modem). Meters should be of Secure/Genus/Omni/ ABB/L&T make as per Nigam's Technical Specifications	No.	138500	No change
10 11 KV VCB's				
10.1	11kV VCB 24 Volts D.C. operated, Rating 800 Amp. Incoming panel	No	286091	No change
10.2	11kV VCB 24 Volts D.C. operated, Indoor type Rating 400 Amp for O/G panel	No.	263000	No change Rate Contract No. 20 dt. 14.8.07 with M/s Areva T&D India Ltd., New Delhi.
10.3	11kV VCB 24 Volts D.C. operated Indoor type Rating 800A for Capacitor Panel	No.	282000	
10.4	11 KV VCB 230 Volt A.C. Operated out-door type Rating 800 Amp. Incoming VCB	No.	2,47,362.00	R.C. No. 25/DHBVN/ QD-396 dated-23.01.2008 with M/S Vijai Electrical Ltd. Hyderabad
10.5	11 KV VCB 230 Volt A.C. Operated out-door type Rating 400 Amp. Outgoing VCB	No.	2,45,895.00	
11 33 KV VCB's				
11.1	33 KV VCB, 36 KV, 630A with 1000 MVA (16 KA for 1 second) rupturing capacity VCB for out door use.	Nos.	248000	No change Rate contract No. 19 dt. 14.8.07 with M/S Crompton Greaves Ltd. Delhi
12 LA'S				
12.1	Lightening Arrestors 9KV	No	420	No change
13 G.O. SWITCH				
13.1	11 KV 400 Amp. GO Switch complete with handle, pipe & Sporting chnl. As per Nigam's technical specification no.5/P-14/DD-11/UHBVN-R-1 and latest amendments	No	4242	No change
14 M.S. Nuts & Bolts				
14.1	M.S Nuts&Bolts off sizes	Kg	45	No change
14.2	Eye Screw Bolts 9"x5/8"	No	14	No change
15 33 KV CTs				
15.1	33 KV CTs i)300-150/5/5A ii)200-150/5/5A	Nos.	19800 19300	No change Rate contract No.21/QD-358/DHBVN/MM-I dt. 21.11.2007 with M/S Floral Electrical Pvt. Ltd. Meerut (UP)
16. CAPACITORS				
16.1	LT Shunt Capacitor (Gas filled PPM Type) KV AR unit	3	No.	374.36 No change

17	<u>SPACERS</u>			
17.1	LT Line spacers	Nos.	13.81	No change UHBVN PO rate HH-6073 dt. 8.3.07
18	<u>SINGLE PHASE ENERGY METER</u>			
18.1	Single Phase whole current static energy meters Class of Accuracy 1.00 of rating 10-60A with Communication and upgrading facility as per Nigam's technical specification No.124/DD-177/Vol-IV/Version- II/Nov.2007 with upto date amendments.	No.	680	P.O. No.-Dh-583/RC-26/QD- 416 dated-4.02.2008
18.2	Single phase 2-wire static energy meter of rating 10- 60 A, class of accuracy 1.00.	No	461	No change
19	<u>THREE PHASE ENERGY METER</u>			
19.1	Three phase 4-wire whole current static energy meters class-I accuracy of rating 10-60A, with communication & upgrading facility as per Nigam's Tech. Specn. No.S-123/DD-177/Vol-IV Nov.2007 with upto date amendments.	No	1578	P.O. No.DH-584/RC-27/QD- 417 dated-04.02.2008
19.2	Three phase 4-wire Static energy meter of rating 10- 60A, class of accuracy 1.00	No	1042	No change
19.3	Three phase LT CT operated Static energy meter - /5A, class of accuracy 0.5S as per Nigam's Tech. Specn. No. S-17/DD-25/R-DD-27/2003 (amendment in Oct. 2004)	No.	2550	No change Rate contact No. 15, QD-376 dt. 4.7.07 with M/S Genus Power Infrastructure Jaipur
19.4	Three phase 4-wire HT (11 KV) CT/PT operated static meter 0.5S accuracy -/5A as per Nigam's tech.specn. No. S-15/DD-27/R-2 Oct.2004 (HT consumer meter).	No.	3850	No change Rate contact No. 9, QD- 317 dt. 21.5.07 with M/S Larson & Turbo Ltd. Chandigarh
19.5	Three phase 4-wire static CT/PT operated trivector energy meter for 11 KV feeders (down loadable type) 0.5S accuracy of rating -/5A as per Nigam's tech.specn. No. 45/SE/P&D/Xen/DD-II & relevant ISS:14697, IEC-687, IS-9000, IS-13779, IEC-736 & CBIP-88/1998 (latest amendments)(HT feeder meter).	No.	3750	No change Rate contract No. 22/QD- 410/DHBNV /DGM/MM-III dt. 14.12.2007 with M/S Secure Meters Ltd. Sec- 27, Gurgaon
20	<u>LT PVC CABLES</u>			
20.1	LT PVC Cable S/C 50 mm2	km	22800	No change
20.2	LT PVC Cable S/C 95 mm2	Km	48450	No change
20.3	LT PVC Cable S/C 120 mm2.	Km	59500	DH-595/QD-413 dated-25.02.2008
20.4	LT PVC Cable S/C 185 mm2.	Km	89500	DH-593/QD-413 dated-25.02.2008
20.5	LT PVC Cable S/C 300 mm2-	Km	185250	No Change
20.6	LT PVC Cable 2C 4 mm2	Km	5794	No Change
20.7	LT PVC Cable 2C 6 mm2	Km	11780	No Change
20.8	LT PVC Cable 2C 10 mm2	Km	14249	No Change
20.9	LT PVC Cable 4C 16 mm2	Km	38900	DH-596/QD-413 dated-25.02.2008
20.10	LT PVC Cable 4C 25 mm2	Km	56000	
21	<u>L.T. ARMoured CABLES</u>			
21.1	LT Armoured Cable 2/C 10mm2	Km	48450	No Change
21.2	LT Armoured Cable 3.5/C 25 mm2	Km	94213	No Change
21.3	LT Armoured Cable 3.5/C 50 mm2	Km	146290	No Change
22	<u>LT XLPE ARMoured CABLES</u>			
22.1	LT XLPE Armoured Cable S/C 10 mm2	Km	30366	No Change
22.2	LT XLPE Armoured Cable S/C 16 mm2	Km	35846	No Change
22.3	LT XLPE Armoured Cable S/C 25 mm2	Km	42312	No Change
22.4	LT XLPE Armoured Cable 2C 6 mm2	Km	44858	No Change
22.5	LT XLPE Armoured Cable 2C 10 mm2	Km	50418	No Change
22.6	LT XLPE Armoured Cable 2C 16 mm2	Km	60574	No Change
22.7	LT XLPE Armoured Cable 2C 25 mm2	Km	78915	No Change
22.8	LT XLPE Armoured Cable 2C 50 mm2	Km	164149	No Change
22.9	LT XLPE Armoured Cable 4C 10 mm2	Km	66204	No Change
22.10	LT XLPE Armoured Cable 4C 16 mm2	Km	75721	No Change

23 H.T. XLPE CABLES				
23.1	11 KV XLPE cable 3C 50mm ²	Km	306720	No Change
23.2	11kV XLPE Cable 3C 185mm ²	Mtr.	734	No Change
23.3	11 kV XLPE cable 3C 300mm ²	Km	907233	No Change

24 LT AERIAL BUNCHED CABLE (ABC)				
24.1	LT ABC Cable 3CX25+25 mm ²	Km	65693	No Change
24.2	LT ABC Cable 3CX50+35 mm ²	Km	108300	No Change
24.3	LT ABC Cable 3CX95+70 mm ²	Km	209000	No change
24.4	LT ABC Cable 3CX120+95+16 mm ²	Km	246864	No change

25 HT AERIAL BUNCHED CABLE (ABC)				
25.1	HT Aerial bunched cable 3C 35mm ² +35mm ²	KM	208904	No change
25.2	HT XLPE insulated cores twisted with bare messenger Al. alloy wire cable 11 KV grade as per Specification size 3Cx150mm ² + 120mm ²	Mtr.	645	No change
25.3	HT XLPE insulated cores twisted with bare messenger Al. alloy wire cable 11 KV grade as per Specification size 3Cx185mm ² + 150mm ²	Mtr.	772	No change
25.4	HT Aerial bunched cable XLPE insulated cores twisted with bare messenger wire conductor 11 KV grade as per Specification size 3Cx185mm ² + 240mm ²	Mtr.	697	P.O. No.-DH-580/ dated-23.01.2008

26 INDOOR CABLE BOXES				
26.1	3/Cx95 mm Sq. I/D Heat Shrinkable cable box	No.	750	No change
26.2	3/Cx185 mm Sq. I/D Heat Shrinkable cable box	No.	960	No change
26.3	3/Cx300 mm Sq. I/D Heat Shrinkable cable box	No.	1060	No change

27 OUT-DOOR CABLE BOXES				
27.1	3/Cx95 mm Sq. O/D Heat Shrinkable cable box	No.	875	No change
27.2	3/Cx185 mm Sq. O/D Heat Shrinkable cable box	No.	1120	No change
27.3	3/Cx300 mm Sq. O/D Heat Shrinkable cable box	No.	1220	No change

28 MISCELLANEOUS MATERIALS				
28.1	Transformer plat form complete set	No.	3,130.00	No change
28.2	11 KV Single Pole mounted GOAB switch with operating handle and insulator	No.	4990	No change
28.3	Stay Sets 8' long complete with X-Plat Elbow & rod	No.	410	No change
28.4	Earthing Sets Without pipe	No	185	No change
28.5	Phase plate for each phase set of 3 (on each H-Pole & 4-Pole	Set	60	No change
28.6	Danger Plate	No	70	No change
28.7	Number Plate	No	70	No change
28.8	D-Straps	No	70	No change
28.9	Insulated connectors	No	80	No change

Note:

Wherever the Nigam's Rate Contracts exist, the field officers will ensure that material is made available to the executing agencies, departmentally matching with the time schedule of the work so as to have economy in expenditure against turnke

**General Manager/P&D
For Chief General Manager/P&D,
DHBVN, Hisar.**

To

All GM 'OP',
Under DHBVN.

Memo No.: Ch-52 / DD-177/ Vol.-III
Date: 09.05.2008

Subject: Item wise rates of 11 KV turnkey works for the FY 2008-09 (Quarter April-June, 2008) for the purpose of preparation of estimates.

In continuation to this office memo No. Ch-42 / DD-117 / Vol.- III dated 31.03.2008. The rates of the following items have been approved by the committee at NP- 23 of file DD-117./ Vol.-III.

Sr. No.	Description	Rate (in Rs.)
1.	PSC Poles 10 Mtr. Long, working load 270 Kg.	2500
2.	11 KV FRP Straight cross arms	665
3.	11 KV FRP Top Hamper	310
4.	33 KV FRP Straight cross arms	1140
5.	33 KV FRP Top Hamper	350

**General Manager / P&D,
For CGM / P&D, DHBVN, Hisar**

CC:

1. S.P.S to Director / Technical I & II for kind information of Director please.
2. CE 'OP', DHBVN, Hisar & Delhi.
3. SE / P&D, UHBVN, Panckula.