

**400KV line towards Guttur (new) Switching Station:**

**400KV M/C line from Point A to C and 400KV D/C line from point C to G i.e 400KV Guttur (new) Switching Station (Apprx. 184.85Kms)**

<b>Stretch (Proposed Interconnecting Points)</b>	<b>Voltage level/ No. of Circuits/ Conductor Type/ Conductor Configuration</b>	<b>Length of Corridor in Kms (Approx.)</b>	<b>Terrain</b>	<b>Span in M</b>	<b>Type of Corridor (New/ Existing)</b>	<b>RoW requirement as per CEA Regulations in M</b>	<b>RoW Proposed by KPTCL in M</b>	<b>Remarks w.r.t. RoW Proposed by KPTCL</b>
A - B	Voltage: 400/400KV MC	0.35	Forest	300	New	40	40	The proposed route is in KPCL land. ROW is as per CEA
	No. of Ckts: 04							
	Conductor: ACSR Moose							
	Conductor Configuration: Quad Bundle							
B - C	Voltage: 400/400KV MC	8.5	Forest	300	Existing	40	35	Proposed to convert the existing 220kV D/C line into 400/400KV MC line within existing 35M RoW. (existing 220KV Gerusoppa D/C line will be converted into UG cable in separate corridor for about 11Kms)
	No. of Ckts: 04							
	Conductor: ACSR Moose							
	Conductor Configuration: Quad Bundle							
C - E	Voltage: 400/220KV MCMV	30	Forest	300	Existing	40	35	Proposed to convert the existing 220kV D/C line into 400/220KV MCMV line within existing 35M RoW.
	No. of Ckts: 04							
	Conductor: ACSR Moose for 400KV & ACSR Drake for 220KV							
	Conductor Configuration: Quad Bundle for 400KV & Single Drake for 220KV							

E - F	Voltage: 400/220KV MCMV	36	Forest	300	Existing	40	35	Proposed to convert the existing 220kV D/C line into 400/220KV MCMV line within existing 35M RoW.
	No. of Ckts: 04							
	Conductor: ACSR Moose for 400KV & ACSR Drake for 220KV							
	Conductor Configuration: Quad Bundle for 400KV & Single Drake for 220KV							
F - F1	Voltage: 400/400KV MC	104	Forest & Normal Route	400	Existing	46	46	Proposed to convert existing 400KV Kaiga - Guttur D/C line into 400/400KV MC line.
	No. of Ckts: 04							
	Conductor: ACSR Moose							
	Conductor Configuration: Quad Bundle							
F1 - G	Voltage: 400KV DC	6	Normal	400	New	46	46	New Route is proposed
	No. of Ckts: 02							
	Conductor: ACSR Moose							
	Conductor Configuration: Quad Bundle							

**400KV D/C line towards existing 400KV Talaguppa (Approx. 23.1Kms)**

**400KV M/C line from Point A to C and 400KV D/C line from point C to D i.e 400KV Talaguppa station**

<b>Stretch (Proposed Interconnecting Points)</b>	<b>Voltage level/ No. of Circuits/ Conductor Type/ Conductor Configuration</b>	<b>Length of Corridor in Kms (Approx.)</b>	<b>Terrain</b>	<b>Span in M</b>	<b>Type of Corridor (New/ Existing)</b>	<b>RoW requirement as per CEA Regulations in M</b>	<b>RoW Proposed by KPTCL in M</b>	<b>Remarks w.r.t. RoW Proposed by KPTCL</b>
A - B	Voltage: 400/400KV MC	0.35	Forest	300	New	40	40	The proposed route is in KPCL land. ROW is as per CEA
	No. of Ckts: 04							
	Conductor: ACSR Moose							
	Conductor Configuration: Quad Bundle							
B - C	Voltage: 400/400KV MC	8.5	Forest	300	Existing	40	35	Proposed to convert the existing 220kV D/C line into 400/400KV MC line within existing 35M RoW. (existing 220KV Gerusoppa D/C line will be converted into UG cable in separate corridor for about 11Kms)
	No. of Ckts: 04							
	Conductor: ACSR Moose							
	Conductor Configuration: Quad Bundle							
C - D	Voltage: 400/220KV MCMV	14.25	Forest	300	Existing	40	35	Proposed to convert the existing 220kV D/C line into 400/220KV MCMV line within existing 35M RoW.
	No. of Ckts: 04							
	Conductor: ACSR Moose for 400KV & ACSR Drake for 220KV							
	Conductor Configuration: Quad Bundle for 400KV & Single Drake for 220KV							

**Strengthening of existing 400KV D/C Twin ACSR Moose line between 400KV Talaguppa to CN Halli (Approx. 200Kms) with HPC.**

<b>Stretch (Proposed Interconnecting Points)</b>	<b>Voltage level/ No. of Circuits/ Conductor Type/ Conductor Configuration</b>	<b>Length of Corridor in Kms (Approx.)</b>	<b>Terrain</b>	<b>Span in M</b>	<b>Type of Corridor (New/ Existing)</b>	<b>RoW requirement as per CEA Regulations in M</b>	<b>RoW Proposed by KPTCL in M</b>	<b>Remarks w.r.t. RoW Proposed by KPTCL</b>
Talaguppa - CN Halli	Voltage: 400KV D/C	200	Forest + Normal	400	Existing	46	46	The existing 400KV D/C line with Twin ACSR Moose conductor is proposed to be replaced with equivalent HPC.
	No. of Ckts: 02							
	Conductor: ACSR Moose							
	Conductor Configuration: Twin ACSR Moose							

1. 220KV Sharavathy to Shimogga (S1-S2 & S3 - S4) lines (02 Nos. of D/C lines) proposed to Strengthen with HPC

2. 220kV Sharavathy to Talaguppa D/C line (ST1-ST2) proposed to Strengthen with HPC

Stretch (Proposed Interconnecting Points)	Voltage level/ No. of Circuits/ Conductor Type/ Conductor Configuration	Length of Corridor in Kms	Terrain	Span in M	Type of Corridor (New/ Existing)	RoW requirement as per CEA Regulations in M	RoW Proposed by KPTCL (Existing RoW) in M	Remarks w.r.t. RoW Proposed by KPTCL
Sharavathy - Shimoga	Voltage: 220KV	S1-S2: 116Kms S3-S4: 108Kms	Forest	300 - 320	Existing	35	35	The existing 220KV D/C lines with Drake ACSR conductor is approved for replacement with HPC (1400A).
	No. of Ckts: 02							
	Conductor: HPC							
	Conductor Configuration: Singlw							
Sharavathy - Talaguppa	Voltage: 220KV	32 Kms	Forest	300 - 320	Existing	35	35	The existing 220KV D/C lines with Drake ACSR conductor is approved for replacement with HPC (1400A).
	No. of Ckts: 02							
	Conductor: HPC							
	Conductor Configuration: Singlw							