

Annexure-I

LIST OF DRAWINGS (CIVIL)

S. No.	DRAWING NO.	TITLE
1.	DHA & HDT SS-C-CR01(02)	132 kV Buried Cable Trench Crossing Road (No. of sheet 1)
2.	CCPG-DKB-Drain & CT-010/02 (Rev 01)	Revised Drain Layout, Levelling Drawing (No. of Sheet 1)
3.	DHA-SS-C-01(01)	Foundation Layout Plan (No. of Sheet 1)
4.	DHA-SS-C-07(01)	Outdoor Control Cabinet Base Layout (No. of sheet 1)
5.	DHA-SS-C-05(01)	Ground Floor Layout of Control Room (No. of sheet 1)
6.	DHA-SS-C-05(02)	Ground Floor Layout of Panel Room (No. of sheet 1)
7.	DHA-SS-C-05(03)	First Floor Layout of Control Room (No. of sheet 1)
8.	DHA-SS-C-06(01)	Zero Mark Plane Layout of #1 and #2 Panel Room(No. of sheet 1)
9.	DHA-SS-C-06(02)	Zero Mark Plane Layout of #3 Panel Room(No. of sheet 1)
10.	DHA-SS-C-07(02)	Outdoor Control Box Foundation (No. of sheet 1)
11.	DHA-SS-C-12(01)	Pump Room Foundation Layout Drawing (No. of sheet 1)
12.	DHA-SS-C-12(02)	Pump Room Pump Control Cabinet Foundation (No. of sheet 1)
13.	DHA-SS-C-12(03)	Pump Foundation for the Fire Fighting Pump House (No. of sheet 1)
14.	DHA-SS-C-12(04)	Diesel Pump Control Cabinet Bracket Drawing (No. of sheet 1)
15.	DHA-SS-N-01(02)	Air Conditioning Layout for Control Room (No. of Sheet 1)
16.	DHA-SS-N-01(03)	Air Conditioning Layout for Panel Room (No. of Sheet 1)
17.	CCPG-DKB-IRD-CIV-01	Road and Drainage (No. of Sheets 3)
18.	CCPG-HDI-SS-4BG1-01	Line Diagram of Beam-N-4BG1-400 kV (No. of Sheet 1)
19.	CCPG-HDI-CTS	Cable Trenches (No. of sheets 5)
20.	CCPG-HDI-CP-CIV	Car parking Civil Drawings (No. of Sheets 2)
21.	CCPG-HDI-CP-STR	Car Parking Structural Details (No. of Sheets 2)
22.	CCPG-DKB-CRB-CIV	CONTROL ROOM BUILDING (Total No. of Sheets: 16) including General Notes, Architectural Drawing plans, elevations, sections, details and flooring and Opening Schedules)
23.	CCPG-DKB-CRB-STR	CONTROL ROOM BUILDING (Total no. of sheets 9) including structural, floor wise slab and beam and staircase reinforcement
24.		Design of CONTROL ROOM BUILDING (No. of Pages 59)
25.		Structural Design of Switchyard Panel room (No of sheets 26)
26.		Design of 400 kV Beam Type 4BG1

27.		Car Parking Structural Design (No of Sheets 10)
28.		A Structural Design Report of Pump-house (No of Pages 57)
29.	CCPG-DHA-SS-T & B 01901)	132 kV, 220 kV, 400 kV Tower and Deam Layout of Dhalkebar Substation (No of sheet 1)
30.	CCPG-DKB-SR&CT	Drainage (SideDrain and cable Trench Plan) (No of sheet 1)
31.	CCPG-HDI-DR-01	Details of Drain (No of sheets 2)
32.	CCPG-HDI-Gate	Switchyard Gate and Switchyard Fencing (No of sheets 2)
33.		Design of Firefighting Pump-house (No of pages 14)
34.		LM Foundation and design drawing (No of sheets 4)
35.		LM Design (No of pages 16)
36.	CCPG-HDI-LM	General Arrangement of Lightning Mast (No of sheets 2)
37.		Design of Foundation and Pedestal for 33 kV LT Transformer (No of sheets 4)
38.	CCPG-DI-33kVTR-FD-01	Foundation Details of 630 kVA 33 kV/0.4 kV Distribution Transformer (No of sheet 1)
39.	CCPG-DKB/INA-SPR9-STR-01	Structural Drawing, Panel Room Building (No of sheets 2)
40.	CCPG-DKB-RWH-STR	Rain Water Harvesting (No of sheet 1)
41.	CCPG-DKB-CRB-SAN & WS-03	Control Building and FFFPH, Water Supply Drawing No of sheets 4)

(Electrical)

S. No.	DRAWING NO.	TITLE
1	DHA-SS-C-04(01)	LT Transformer Layout Diagram (No. of sheets 2)
2	DHA-SS-XLPE-01	132 kV Khimti Cable Termination Route and Cable Location (No. of sheets 2)
3	DHA-SS-M-11 (01)	Erection Key Diagram For 132 kV Cable termination (From 132 kV Hetauda)
4	DHA-SS-E-ES-02A	Earthing and Connectors Details (No of sheets 3)
5	DHA-SS-E-LP-02	Direct Stroke Lightning Protection Layout (No of sheet 1)
6	DHA-SS-E-05	SLD of AC System (include AC Diagram, 400 V MCB 1 A & 3A, 415 V MCB 2 A, 400 V Emergency System LB 4A, Power Koisk 1,2,3 & 4 (No of Sheets 9)
7	DHA-SS-E-01	Single Line Diagram and Electrical Layout (No of sheet 2)
8	DHA-SS-E-01(02)	Electrical Layout Plan (No of Sheet 1)
9		Hardware Drawing for Insulator String of D, H, I S/S
10	IRW-SS-E-LP-02	DSLPL Layout (No of Sheets 1)
11		Dhalkebar Substation Earthmat Design (No of pages 18)

12		220 kV Busbar Protection (No of Sheets 2)
13		220 kV 160 M/A ICT 1 HV- (Bay N0 202) Protection and Control Panel Panel Ref 202 RA, 202 RB (No of Sheets 3)
14		220 kV 160 M/A ICT 1 LV- (Bay N0 101) Protection and Control Panel Panel Ref 101R (No of Sheets 1)
15		220 kV Inaruwa Line Feeder (bay no 211) Protection and Control Panel Panel Ref 211LA, 211LB (No of Sheets 4)
16		220 kV TBC Bay- (Bay N0 201) Protection and Control Panel Panel Ref 201R (No of Sheets 1)
17	DHA-SS-N-01	Air Conditioning Layout for CRB (No of Sheets 3)
18	DHA-SS-PA	Panel Layout of CRB (No of Sheets 2)
19	DHA-SS-E	Electrical Clearance Check Diagram (No of Sheets 3)
20	DHA-SS-M -01	Erection Key Diagram (No of Sheets 4)
21	DHA-SS-E -13	Lighting Layout for CRB, Panel Room and FFPH including Socket Layout, Emergency Lighting DB for Panel room and CRB (No of sheets 13)
22	DHA-SS-E -12	Outdoor Lighting System Layout
23		Technical Details of Thermal-resistant aluminium alloy conductor steel reinforced 1000/125 (No. of sheets 14)
24		GTP, Drawing of Tubular Busbar (No. of Sheets 3)
25		GPT & Drawing of Disc Insulator (No. of Sheets 4)

(Equipment)

- A. Fire Protection System- 36 Pages
- B. 145kV, 40kA, 3150A, SF6 CB- 22 Pages
- C. 145 kV, 40 kA SF6 Outdoor Circuit Breaker Fith 25 mm/kV- 18 Pages
- D. 245 kV, 50 KA, 3150 A SF6 Outdoor CB- 26 Pages
- E. 132 kV Busbar Protection – 44 Pages
- F. 220 kV Bus Coupler (Bay No. 204) - 40 Pages
- F. 220 kV Busbar Protection- 46 Pages
- G. 220 kV Line Feeder – (Bay No. 211) Protection and Control Panel (Panel Reference 211LA, 211LB) - 64 Pages
- H. 220 kV TCB – (Bay No. 201) Protection and Control Panel (Panel Reference 201R)- 44 Pages
- I. 220 kV 160 MVA ICT HV (Bay No. 202) Protection and Control Panel (Panel Reference 202RA, 202RB)- 64 Pages

- J. 220 kV 160 MVA ICT LV (Bay No. 101) Protection and Control Panel (Panel Reference 101R) -46 Pages
- K. Substation Automation Panel II Panel Reference SAS (I)- 20 Pages
- L. Substation Automation Panel II Panel Reference SAS (II)- 18 Pages
- M. Station Auxiliary Panel, Panel Reference SUX (II)- 30 Pages
- N. Details of,
- i) 132 kV Outdoor Composite Termination – 10 Pages
 - ii) 33 kV Single Core Outdoor Cold Shrink Accessory – 12 Pages
- O. Details on Batteries and Battery Chargers including drawings – 22 pages
- P. Data Sheet of 0.6/1 kV Power Cable Cu/Mica Tape/XLPE/PVC/SWA/PVC – 4 Pages
- Q. GTP & Drawing for Control, LV Power & Instrument Cable for 220/132 kV Dhalkebar substation – 8 Pages
- R. BOQ of Communication Equipment – 11 Pages
- S. GTP Drawings Communications - - 28 Pages
- T. DSR of PAPX – 2 Pages
- U. Optical Power Budget Calculations – 1 Page
- V. Technical Details with required drawings regarding 630 KVA, 33/0.4 KV Distribution Transformer – Pages- 15
- W. GTP, Drawings and Type test of LT Switchgear – Pages 3

Note

Detail Drawings are separately attached as in Flash Drive and given to the bidder while purchasing bid document.