

S. No.	DRAWING NO.	TITLE
A.	MOGA SUBSTATION	
A1.	PROJECT SPECIFIC DRAWINGS	
1.	C/ENGG/NR-II/NRSS-V/MOGA 400kV(EXTN)/SLD/01, REV. 0	Single line diagram of 400/220 kV MOGA Substation
2.	C/ENGG/NR-II/NRSS-V /MOGA 400kV (EXTN)/LAY/02, REV. 0	400 kV Electrical Layout of MOGA Substation
3.	C/ENGG/NR-II/NRSS-V/MOGA 400kV(EXTN)/SEC/03, REV. 0	Layout Sections of 400 kV MOGA Substation
A2.	EXISTING DRAWINGS (\$)	
1.	C/ENGG/NR-II/AUG/MOGA/GA/02, REV. 01	General Arrangement of 400/220 kV Moga Substation
2.	05478M002-01, Rev. 2	Single Line Diagram(400/220kV)
3.	05478M 002 02 (Sheet 1 OF 4), Rev.3	Electrical Layout (400kV)
4.	05478M 002 02 (Sheet 2 OF 4), Rev.3	Electrical Sections (400 kV)
5.	05478M 002 02 STR, Rev. 0	Structural Layout (400/220 kV)
6.	05478M 002 05 (Sheet 1 of 2), Rev.1	Earthmat Layout (400 kV)
7. ✓	05478M 002 03(Sheet 1 of 2), Rev.3	Foundation & Cable trench Layout (400kV)
8.	05478M 002 09(Sheet 1 of 3), Rev.1	DSLIP Layout (400/220kV)
9. ✓	NRTS-MOGA-52, Rev. 2	Foundation details of Towers marked TA,TB,TC,TSP,TE,TF,TG & LM
10.	05478M 003A 07 (Sheet 1 of 2), Rev.0	Detail of 400 kV Beam Marked 'G5' {Refer this drawing also for beam marked 'GSP'}
11.	05478M 003A 08 (Sheet 1 of 1), Rev.0	Detail of 400 kV Column Marked 'TE'
12.	05478M 003A 09 (Sheet 1 of 1), Rev.0	Detail of 400 kV Column Marked 'TG'
13.	05478 & 79A-003A-05(Sheet 1 of 1),Rev 0	Structural details of column Type- DCB/'TSP'for Moga
14.	HIW / NHPC/ 4A / 89	Base Details of Columns
15.	05478M 003A 06 (2 Sheets), Rev.0	Detail of Lightning Mast Marked "LM"
16.	BCFS;NRTS-MOGA, Rev.0	Piping Layout and HVW spray system
17.	N2MG-CP-01,Rev0{3 Sheets }	Control Room Panel Layout
B.	BHIWADI SUBSTATION	
B1.	PROJECT SPECIFIC DRAWINGS	
1.	C/ENGG/NR-I/NRSS-V/BHIWADI/SLD/001	Single line diagram of 400 kV Bhiwadi Substation
2.	C/ENGG/NR-I/NRSS-V/BHIWADI/GA/001	General Arrangement Drawing of Bhiwadi Substation
3.	C/ENGG/NR-I/NRSS-V/BHIWADI/LAY PLAN/01	Layout Plan for Bhiwadi sub-station
4.	C/ENGG/NR-I/NRSS-V/BHIWADI/LAY Sec/001	Layout Sections of 400 kV Bhiwadi Substation
B2.	EXISTING DRAWINGS (\$)	

S. No.	DRAWING NO.	TITLE
1.	C/ENGG/NR-I/BWDI/CIVIL/FAB/001/400/GA	Layout drawing of Beam GA
2.	C/ENGG/NR-I/BWDI/CIVIL/FAB/001/400/GB	Layout drawing of Beam GB
3.	C/ENGG/NR-I/BWDI/CIVIL/FAB/001/400/TC	Layout drawing of Tower TC
4.	C/ENGG/NR-I/BWDI/CIVIL/FAB/001/400/TN	Layout drawing of Tower TN
5.	C/ENGG/NR-I/BWDI/CIVIL/FAB/001/400/TH	Layout drawing of Tower TH
6.	C/ENGG/NR-I/BWDI/CIVIL/FAB/001/400/TJ	Layout drawing of Tower TJ
7. ✓	C/ENGG/BWI/TOW/FDN/01	Details of 400kV Tower Foundations
C.	AGRA SUBSTATION	
C1.	PROJECT SPECIFIC DRAWINGS	
1.	C/ENGG/NR-I/NRSS-V/AGRA/SLD/001	Single line diagram of 400/220 kV Agra Substation
2.	C/ENGG/NR-I/NRSS-V/AGRA/LAY/PLAN/001	400 kV Electrical Layout of Agra Substation
3.	C/ENGG/NR-I/NRSS-V/AGRA/LAY/Sec/001	Layout Sections of 400 kV Agra Substation
D.	STANDARD DRAWINGS	
1.	C-ENGG-STD-004 R0	Details of Rod Earth Electrode and Earth Pit
2.	C-ENGG-STD-003 R0	Details of Pipe Earth Electrode in treated Earth Pit
3.	C/ENGG/STD/MODULE/400-I R0	Module Identification for 400 kV I- type Layout
4. ✓	C/ENGG/STD/ROAD/01	Details of black top / Bituminous Roads
5.	0000-000-T-E-L-029	Wiring Diagram of CVT Marshalling Box
6.	0000-000-T-E-L-028 Sh 1of 2	Wiring Diagram of CT Marshalling Box
7.	0000-000-T-E-L-028 Sh 2of 2	Wiring Diagram of CT Marshalling Box
8.	C/ENGG/STD/LT/SLD/01 R3	Standard SLD for AC& DC System
9. ✓	C/ENGG./STD/CT-1 page 1	Detail for cable trench sections.
10. ✓	C/ENGG./STD/CT-1 page 2	Detail for cable trench sections.
11. ✓	C/ENGG./STD/CT-2	RCC detail for cable trench sections
12. ✓	C/ENGG./STD/CT-3	GA & RCC details of Sump pit
13. ✓	C/ENGG7STD/CT-4	Detail of cable trench crossing
14. ✓	C/ENGG/STD/TOW/FDN/01	Detail of 400KV tower foundations
15. ✓	C/ENGG/STD/EQP/FDN/01	Detail of 400KV equipment foundations
16. ✓	C/ENGG/STD/EQP/FDN/03	Details of CB foundations
17. ✓	C/ENGG/STD/EQP/FDN/04	Details of wave trap foundation
18. ✓	C/ENGG/STD/ROAD CULVERTS-1	Detail of road culverts
19. ✓	C/ENGG/STD/DRAIN/01	Details of drain
20. ✓	C/ENGG/CVL/S YD/FENCE/01	Standard details for switch yard chain link fencing
21. ✓	C/ENGG/CVL/SYD/GATE/02	Details of switchyard gate
22. ✓	C/ENGG/CVL/STD/RR/I	Details of rail cum road
23. ✓	C/ENGG/STD/ROAD/411	Details of concrete road in switchyard Area
24.	CIENGG/ STD-STR/58 (3 SHEETS)	Detail of lighting mast marked *LM*
25.	Structural Drawing	
26.	C-ENGG-STD-STR-101	Details of 400kV BPI supporting Pipe structure
27.	C-ENGG-STD-STR-102	Details of 400kV Wave Trap supporting Pipe structure
28.	C-ENGG-STD-STR-103	Details of 400kV CVT supporting Pipe structure
29.	C-ENGG-STD-STR-104	Details of 400kV LA supporting Pipe structure

Technical Specification, Section - PROJECT
Project : NRSS-V

S. No.	DRAWING NO.	TITLE
30.	C-ENGG-STD-STR-105	Details of 400kV Isolator supporting Pipe structure
31.	C-ENGG-STD-STR-106	Details of 400kV CT supporting Pipe structure
32.	C-ENGG-STD-STR-120	Details of 400kV girder mkd.G1 (24M SPAN)
33.	C-ENGG-STD-STR-121	Details of 400kV girder mkd.G2 (24M SPAN)
34.	C-ENGG-STD-STR-122	Details of 400kV tower mkd.TA
35.	C-ENGG-STD-STR-123	Details of 400kV tower mkd.TB
36.	C-ENGG-STD-STR-124	Details of 400kV tower mkd.TC
37.	C-ENGG-STD-STR-125	Details of 400kV tower mkd.TD
38.	C-ENGG-STD-STR-128	Details of 400kV tower mkd.TG
39.	C-ENGG-STD-STR-129	Details of 400kV tower mkd.TH
40.	C-ENGG-STD-STR-20	Details of 400kV girder mkd.GA (27M SPAN)
41.	C-ENGG-STD-STR-21	Details of 400kV girder mkd.GB (27M SPAN)

Note: (\$) Indicates drawings of which only hard copies are enclcded.