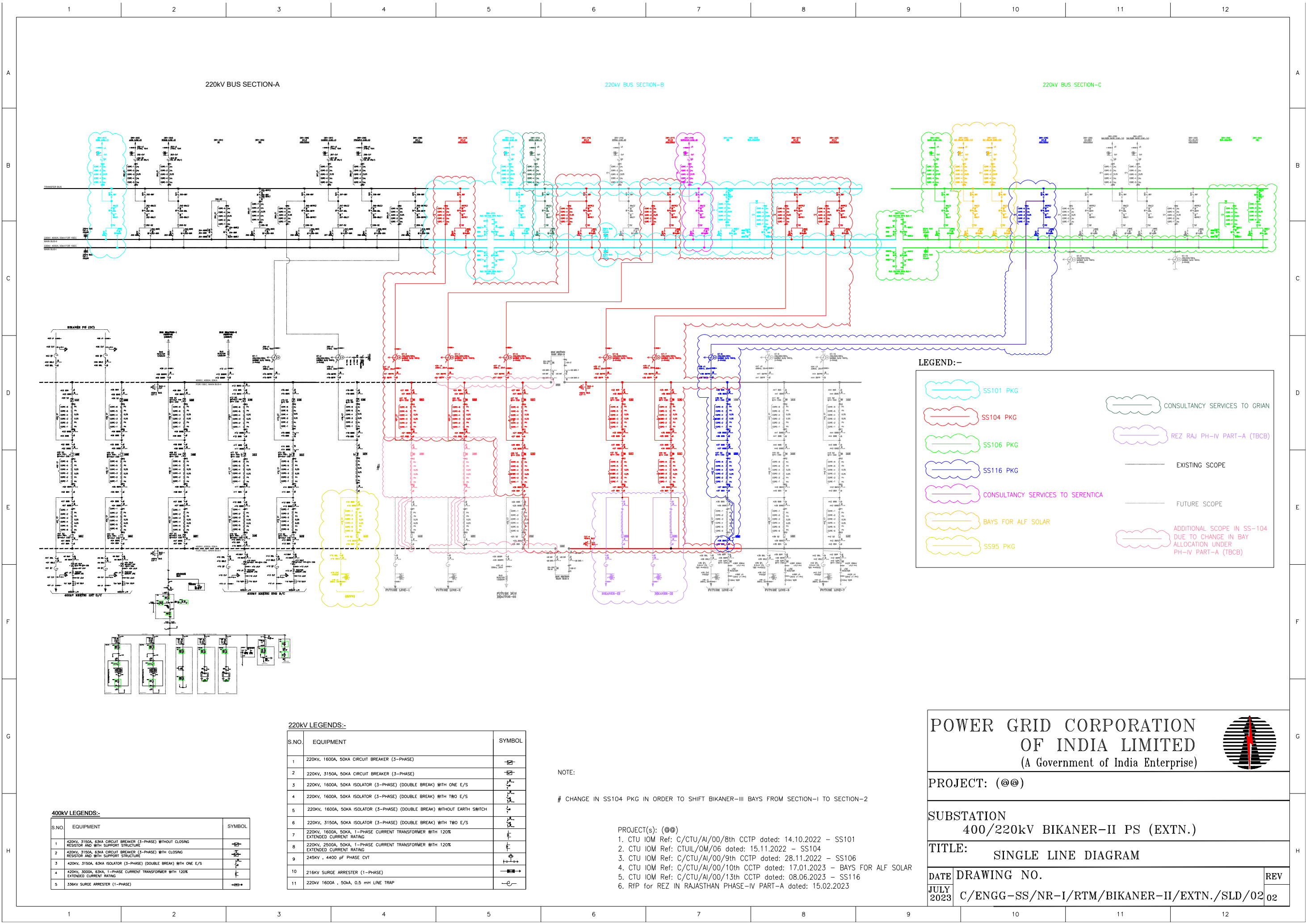


**Amendment-3 dated: 20.09.2023**

**to**

**RFP documents for selection of Transmission Service Provider through tariff based competitive bidding process to establish transmission system for  
“Transmission system for evacuation of power from Rajasthan REZ Ph-IV (Part-1) (Bikaner Complex): PART- A”**

| Sl. No. | Existing Provision                                                                                                                                                                                                                                                                                                                                                                                                                                 | Revised Provision                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.      | <p><b>Specific technical requirement of substation of RfP &amp; TSA document</b></p> <p><b>B.1.2 Switching Scheme</b></p> <p>.....</p> <p>.....</p> <p>Notes: - v) Extn. of 400kV Bikaner-II s/s: Single Line Diagram (DRG No. C/ENGGSS/NR/400KV/BIKANER-II PS/SLD/01) is attached with the RfP. TSP is to execute two nos. of 400kV line bays along with associated tie bays with reference to single line diagram.</p> <p>.....</p> <p>.....</p> | <p><b>Specific technical requirement of substation of RfP &amp; TSA document</b></p> <p><b>B.1.2 Switching Scheme</b></p> <p>.....</p> <p>.....</p> <p>Notes: - v) Extn. of 400kV Bikaner-II s/s: Single Line Diagram (<b>DRG No. C/ENGG-SS/NR-1/RTM/BIKANER-II/EXTN. /SLD/02, REV 02</b>) is attached with the RfP. TSP is to execute two nos. of 400kV line bays with reference to single line diagram.</p> <p>.....</p> <p>.....</p> |



220kV BUS SECTION-A

220kV BUS SECTION-B

220kV BUS SECTION-C

LEGEND:-

SS101 PKG

SS104 PKG

SS106 PKG

SS116 PKG

CONSULTANCY SERVICES TO SERENTICA

BAYS FOR ALF SOLAR

SS95 PKG

CONSULTANCY SERVICES TO GRIAN

REZ RAJ PH-IV PART-A (TBCB)

EXISTING SCOPE

FUTURE SCOPE

ADDITIONAL SCOPE IN SS-104 DUE TO CHANGE IN BAY ALLOCATION UNDER PH-IV PART-A (TBCB)

220kV LEGENDS:-

| S.NO. | EQUIPMENT                                                                         | SYMBOL |
|-------|-----------------------------------------------------------------------------------|--------|
| 1     | 220kV, 1600A, 50KA CIRCUIT BREAKER (3-PHASE)                                      |        |
| 2     | 220kV, 3150A, 50KA CIRCUIT BREAKER (3-PHASE)                                      |        |
| 3     | 220kV, 1600A, 50KA ISOLATOR (3-PHASE) (DOUBLE BREAK) WITH ONE E/S                 |        |
| 4     | 220kV, 1600A, 50KA ISOLATOR (3-PHASE) (DOUBLE BREAK) WITH TWO E/S                 |        |
| 5     | 220kV, 1600A, 50KA ISOLATOR (3-PHASE) (DOUBLE BREAK) WITHOUT EARTH SWITCH         |        |
| 6     | 220kV, 3150A, 50KA ISOLATOR (3-PHASE) (DOUBLE BREAK) WITH TWO E/S                 |        |
| 7     | 220kV, 1600A, 50KA, 1-PHASE CURRENT TRANSFORMER WITH 120% EXTENDED CURRENT RATING |        |
| 8     | 220kV, 2500A, 50KA, 1-PHASE CURRENT TRANSFORMER WITH 120% EXTENDED CURRENT RATING |        |
| 9     | 245kV, 4400 pF PHASE CVT                                                          |        |
| 10    | 216kV SURGE ARRESTER (1-PHASE)                                                    |        |
| 11    | 220kV 1600A, 50KA, 0.5 mH LINE TRAP                                               |        |

NOTE:

# CHANGE IN SS104 PKG IN ORDER TO SHIFT BIKANER-III BAYS FROM SECTION-I TO SECTION-2

PROJECT(s): (@@)

1. CTU IOM Ref: C/CTU/AI/00/8th CCTP dated: 14.10.2022 - SS101
2. CTU IOM Ref: CTU/L/OM/06 dated: 15.11.2022 - SS104
3. CTU IOM Ref: C/CTU/AI/00/9th CCTP dated: 28.11.2022 - SS106
4. CTU IOM Ref: C/CTU/AI/00/10th CCTP dated: 17.01.2023 - BAYS FOR ALF SOLAR
5. CTU IOM Ref: C/CTU/AI/00/13th CCTP dated: 08.06.2023 - SS116
6. R/P for REZ IN RAJASTHAN PHASE-IV PART-A dated: 15.02.2023

400kV LEGENDS:-

| S.NO. | EQUIPMENT                                                                                        | SYMBOL |
|-------|--------------------------------------------------------------------------------------------------|--------|
| 1     | 420kV, 3150A, 63KA CIRCUIT BREAKER (3-PHASE) WITHOUT CLOSING RESISTOR AND WITH SUPPORT STRUCTURE |        |
| 2     | 420kV, 3150A, 63KA CIRCUIT BREAKER (3-PHASE) WITH CLOSING RESISTOR AND WITH SUPPORT STRUCTURE    |        |
| 3     | 420kV, 3150A, 63KA ISOLATOR (3-PHASE) (DOUBLE BREAK) WITH ONE E/S                                |        |
| 4     | 420kV, 3000A, 63KA, 1-PHASE CURRENT TRANSFORMER WITH 120% EXTENDED CURRENT RATING                |        |
| 5     | 336kV SURGE ARRESTER (1-PHASE)                                                                   |        |

POWER GRID CORPORATION  
OF INDIA LIMITED  
(A Government of India Enterprise)



PROJECT: (@@)

SUBSTATION  
400/220kV BIKANER-II PS (EXTN.)

TITLE:  
SINGLE LINE DIAGRAM

| DATE      | DRAWING NO.                                | REV |
|-----------|--------------------------------------------|-----|
| JULY 2023 | C/ENGG-SS/NR-1/RTM/BIKANER-II/EXTN./SLD/02 | 02  |