



DELHI JAL BOARD
GOVT. OF NCT OF DELHI
Varunalaya Phase I, Karol Bagh
New Delhi – 110005
Delhi, India
Phone/Fax: +91-11-2355-4573



**JICA ASSISTED DELHI WATER SUPPLY IMPROVEMENT PROJECT
IN CHANDRAWAL WTP COMMAND AREA
(LOAN NO. ID-P225)**

NIT NO. 02 (2021-22)/EE(EAP)-I

VOLUME : IV / IV

BIDDING DOCUMENTS

**(Part 2: Works Requirements,
Section VI: F. Drawings)**

BIDDING DOCUMENT

FOR

PACKAGE – 3 (Central Zone)

**Improvement of Water Supply System including
Operation and maintenance of Transmission & Distribution
Pipes, Pumping Stations, Service Connections and Consumer
Meters with DMA formation and NRW Reduction in Chandrawal
WTP Command Area Package-3 (Central Zone)**

ON

INTERNATIONAL COMPETITIVE BIDDING

April 2021

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VOLUME IV: BIDDING DOCUMENT

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Notes to the Bidders

1. Drawings of Volume IV can be available in hard copy only upon purchase of Tender Documents
2. Map of Distribution Area under the Contract is provided for reference.
3. List of Drawings are provided for reference.

S.NO.	DRAWINGS TITLE	DWG. NO.	REV.
A	GERNAL DRAWINGS		
A (I)	SURVEY LAYOUT OF UGR'S		
1	IDGAH RESERVOIR	IE/TEC/IG/DW/A1	R0
2	JHANDEWALAN RESERVOIR	IE/TEC/JW/DW/A2	R0
3	RAMJAS RESERVOIR	IE/TEC/RJ/DW/B3	R0
4	FLAG STAFF RESERVOIR	IE/TEC/FS/DW/C4	R0
5	MM JEET GARH RESERVOIR	IE/TEC/JG/DW/C5	R0
6	HINDURAO RESERVOIR	IE/TEC/HR/DW/C6	R0
7	RIDGE ROAD RESERVOIR	IE/TEC/RR/DW/B6	R0
8	CANT PALAM RESERVOIR	IE/TEC/PC/DW/F	R0
9	TALKATORA RESERVOIR	IE/TEC/TK/DW/D2	R0
10	HASANPUR RESERVOIR	IE/TEC/HP/DW/D5	R0
A(II)	PROPOSED LAYOUT PLAN OF UGR & PUMPING STATIONS		
1	FLAG STAFF UGR	P-225-323-L-UGR-FST-001	R2
2	MM JEET GARH UGR	P-225-323-L-UGR-JEG-001	R2
3	HINDU RAO UGR	P-225-323-L-UGR-HR-001	R2
4	RAMJAS UGR	P-225-323-L-UGR-RAJ-001	R2
5	JHANDEWALAN UGR	P-225-323-L-UGR-JHW-001	R2
6	RIDGE ROAD UGR	P-225-323-L-UGR-RIR-001	R2
7	CANT PALAM UGR	P-225-323-L-UGR-CNP-001	R2
8	TALKATORA UGR	P-225-323-L-UGR-TAK-001	R2
9	HASANPUR UGR	P-225-323-L-UGR-HAP-001	R2
10	IDGAH UGR	P-225-323-L-UGR-IG-001	R2
A(III)	PROPOSED P & I DIAGRAMS		
1	STANDARD SYMBOLS/ LEGENDS/ ABBREVIATIONS	P-225-321-P-UGR-STD-001	R1
2	FLAG STAFF UGR	P-225-321-P-UGR-FST-001	R1
3	HINDURAO UGR	P-225-321-P-UGR-HIN-001	R1
4	JEET GARH UGR	P-225-321-P-UGR-JEG-001	R1
5	IDGAH UGR	P-225-321-P-UGR-IDG-001	R1
6	RAMJAS UGR	P-225-321-P-UGR-RAJ-001	R1
7	RIDGE ROAD UGR	P-225-321-P-UGR-RIR-001	R1
8	CANT PALAM UGR	P-225-321-P-UGR-CNP-001	R1
9	TALKATORA UGR	P-225-321-P-UGR-TAK-001	R1
10	HASANPUR UGR	P-225-321-P-UGR-HAS-001	R1
A(IV)	PROPOSED ELECTRICAL SINGLE LINE DIAGRAM		
1	CANT-PALAM PUMPING STATION	P-225-324-E-SLD-001	R1
2	IDGAH PUMPING STATION	P-225-324-E-SLD-002	R1
3	RAMJAS PUMPING STATION	P-225-324-E-SLD-003	R1
4	RIDGE ROAD PUMPING STATION	P-225-324-E-SLD-004	R1
5	HINDURAO PUMPING STATION	P-225-324-E-SLD-005	R1
6	FLAG-STAFF,JEETGARH,TALKATORA,HASANPUR, UGR's - (TYPICAL SLD)	P-225-324-E-SLD-006	R1
A(V)	SCADA SYSTEM		
1	SYSTEM ARCHITECTURE FOR PACKAGE-3 DISTRIBUTION SCADA SYSTEM	225-325-S-SD-001	R2
2	INSTRUMENTATION SCHEMATIC DIAGRAM FOR DMAs	225-325-S-SD-002	R2
3	INSTRUMENTATION SCHEMATIC DIAGRAM FOR UGR's WITH PS	225-325-S-SD-003	R1
4	INSTRUMENTATION SCHEMATIC DIAGRAM FOR UGR's WITHOUT PS	225-325-S-SD-004	R1

S.NO.	DRAWINGS TITLE	DWG. NO.	REV.
B	TRANSMISSION SYSTEM		
B (I)	EXISTING TRANSMISSION MAIN DRAWING		
1	CHANDRAWAL WTP COMMAND AREA - EXISTING	P-225-326-TS- ETS-001	R1
B (II)	PROPOSED TRANSMISSION MAIN DRAWING		
1	CHANDRAWAL WTP COMMAND AREA - PROPOSED	P-227-327-TS- PTS-003	R1
B (III)	PROPOSED LAYOUT PLAN & L-SECTION OF TRANSMISSION (CT-1) & (CT-2)		
1	CT-1 & CT-2 FROM CHAINAGE 0 TO 650	P-225-327-TM-LS-001	R1
2	CT-1 FROM CHAINAGE 650 TO 1300 & CT-2 FROM CHAINAGE 650 TO 1336.50	P-225-327-TM-LS-002	R1
3	CT-1 FROM CHAINAGE 1300 TO 1950 & CT-2 FROM CHAINAGE 0 TO 650	P-225-327-TM-LS-003	R1
4	CT-1 CHAINAGE 1950 TO 2705 & CT-2 FROM CHAINAGE 650 TO 1300	P-225-327-TM-LS-004	R1
5	CT-1 CHAINAGE 0 TO 450 & CT-2 FROM CHAINAGE 1300 TO 1950	P-225-327-TM-LS-005	R1
6	CT-1 FROM CHAINAGE 0 TO 755 (sheet 1 of 2)	P-225-327-TM-LS-006_1/2	R1
7	CT-2 FROM CHAINAGE 1950 TO 2580 (sheet 2 of 2)	P-225-327-TM-LS-006_2/2	R1
8	CT-1 CHAINAGE 0 TO 457 & CT-2 FROM CHAINAGE 0 TO 650	P-225-327-TM-LS-007	R1
9	CT-1 CHAINAGE 0 TO 650 & CT-2 FROM CHAINAGE 650 TO 1330	P-225-327-TM-LS-008	R1
10	CT-1 FROM CHAINAGE 650 TO 1300 & CT-2 FROM CHAINAGE 0 TO 650	P-225-327-TM-LS-009	R1
11	CT-1 FROM CHAINAGE 1300 TO 1950 & CT-2 FROM CHAINAGE 650 TO 1300	P-225-327-TM-LS-010	R1
12	CT-1 FROM CHAINAGE 1950 TO 2430 & CT-2 FROM CHAINAGE 1300 TO 2037	P-225-327-TM-LS-011	R1
13	CT-1 FROM CHAINAGE 0 TO 650	P-225-327-TM-LS-012	R1
14	CT-1 FROM CHAINAGE 650 TO 1300	P-225-327-TM-LS-013	R1
15	CT-1 FROM CHAINAGE 1300 TO 1950	P-225-327-TM-LS-014	R1
16	CT-1 FROM CHAINAGE 1950 TO 2600	P-225-327-TM-LS-015	R1
17	CT-1 FROM CHAINAGE 2600 TO 3250	P-225-327-TM-LS-016	R1
18	CT-1 FROM CHAINAGE 3250 TO 3900	P-225-327-TM-LS-017	R1
19	CT-1 FROM CHAINAGE 3900 TO 4307	P-225-327-TM-LS-018	R1
B(IV)	PROPOSED LAYOUT PLAN & L-SECTION - RAMJAS UGR FEED PIPE TRANSMISSION MAIN		
1	FROM CHAINAGE 0 TO 650	P-225-327-TM-LS-001	R1
2	FROM CHAINAGE 650 TO 807.50	P-225-327-TM-LS-002	R1
B(V)	PROPOSED LAYOUT PLAN & L-SECTION - TALKATORA UGR FEED PIPE TRANSMISSION MAIN		
1	FROM CHAINAGE 0 TO 650	P-225-327-TM-LS-001	R1
2	FROM CHAINAGE 650 TO 946.4	P-225-327-TM-LS-002	R1

S.NO.	DRAWINGS TITLE	DWG. NO.	REV.
C	DISTRIBUTION SYSTEM		
C (I)	KEY MAP FOR UGRS (EXISTING SECONDARY MAINS SYSTEM)		
1	FLAG STAFF	P-225-329-DN-UGR-FG-EX-001	R0
2	HINDURAO	P-225-329-DN-UGR-HR-EX-002	R0
3	JEET GARH	P-225-329-DN-UGR-JG-EX-003	R0
4	IDGAH	P-225-329-DN-UGR-IG-EX-004	R0
5	JHANDEWALAN	P-225-329-DN-UGR-JH-EX-005	R0
6	RAMJAS	P-225-329-DN-UGR-RJ-EX-006	R0
7	RIDGE ROAD	P-225-329-DN-UGR-RR-EX-007	R0
8	PALAM CANT	P-225-329-DN-UGR-CP-EX-008	R0
C (II)	KEY MAP FOR UGRS(PROPOSED SECONDARY MAINS SYSTEM)		
1	FLAG STAFF	P-225-329-DN-UGR-FG-001	R1
2	HINDURAO	P-225-329-DN-UGR-HR-002	R1
3	JEET GARH	P-225-329-DN-UGR-JG-003	R1
4	IDGAH	P-225-329-DN-UGR-IG-004	R1
5	JHANDEWALAN	P-225-329-DN-UGR-JH-005	R1
6	RAMJAS	P-225-329-DN-UGR-RJ-006	R2
7	RIDGE ROAD	P-225-329-DN-UGR-RR-007	R2
8	CANT PALAM	P-225-329-DN-UGR-CP-008	R1

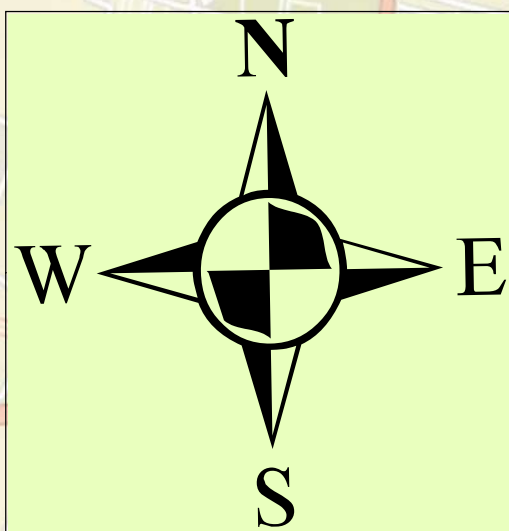
S.NO.	DRAWINGS TITLE	DWG. NO.	REV.
D	KEY MAP OF DMA's		
D (I)	DISTRIBUTION NET WORK - FLAG STAFF		
1	FLAG STAFF DMA - C-04-01	P-225-329-DN-FG_C-04-01_1	R2
2	FLAG STAFF DMA - C-04-02	P-225-329-DN-FG_C-04-02_1/2	R2
3	FLAG STAFF DMA - C-04-02	P-225-329-DN-FG_C-04-02_2/2	R2
4	FLAG STAFF DMA - C-04-03 (SHEET 1/3)	P-225-329-DN-FG_C-04-03_1/3	R2
5	FLAG STAFF DMA - C-04-03 (SHEET 2/3)	P-225-329-DN-FG_C-04-03_2/3	R2
6	FLAG STAFF DMA - C-04-03 (SHEET 3/3)	P-225-329-DN-FG_C-04-03_3/3	R2
7	FLAG STAFF DMA - C-04-04 (SHEET 1/2)	P-225-329-DN-FG_C-04-04_1/2	R2
8	FLAG STAFF DMA - C-04-04 (SHEET 2/2)	P-225-329-DN-FG_C-04-04_2/2	R2
9	FLAG STAFF DMA - C-04-05 (SHEET 1/2)	P-225-329-DN-FG_C-04-05_1/2	R2
10	FLAG STAFF DMA - C-04-05 (SHEET 2/2)	P-225-329-DN-FG_C-04-05_1/2	R2
11	FLAG STAFF DMA - C-04-06 (SHEET 1/2)	P-225-329-DN-FG_C-04-06_1/2	R2
12	FLAG STAFF DMA - C-04-06 (SHEET 2/2)	P-225-329-DN-FG_C-04-06_2/2	R2
13	FLAG STAFF DMA - C-04-07 (SHEET 1/2)	P-225-329-DN-FG_C-04-07_1/2	R2
14	FLAG STAFF DMA - C-04-07 (SHEET 2/2)	P-225-329-DN-FG_C-04-07_2/2	R2
15	FLAG STAFF DMA - C-04-08 (SHEET 1/3)	P-225-329-DN-FG_C-04-08_1/3	R2
16	FLAG STAFF DMA - C-04-08 (SHEET 2/3)	P-225-329-DN-FG_C-04-08_2/3	R2
17	FLAG STAFF DMA - C-04-08 (SHEET 3/3)	P-225-329-DN-FG_C-04-08_3/3	R2
D (II)	DISTRIBUTION NET WORK - JEET GARH		R2
1	JEET GARH DMA - C-05-01 (SHEET 1/2)	P-225-329-DN-JG_C-05-01_1/2	R2
2	JEET GARH DMA - C-05-01 (SHEET 2/2)	P-225-329-DN-JG_C-05-01_2/2	R2
3	JEET GARH DMA - C-05-02 (SHEET 1/2)	P-225-329-DN-JG_C-05-02_1/2	R2
4	JEET GARH DMA - C-05-02 (SHEET 2/2)	P-225-329-DN-JG_C-05-02_2/2	R2
5	JEET GARH DMA - C-05-03	P-225-329-DN-JG_C-05-03	R2
6	JEET GARH DMA - C-05-04	P-225-329-DN-JG_C-05-04	R2
7	JEET GARH DMA - C-05-05 (SHEET 1/4)	P-225-329-DN-JG_C-05-05_1/4	R2
8	JEET GARH DMA - C-05-05 (SHEET 2/4)	P-225-329-DN-JG_C-05-05_2/4	R2
9	JEET GARH DMA - C-05-05 (SHEET 3/4)	P-225-329-DN-JG_C-05-05_3/4	R2
10	JEET GARH DMA - C-05-05 (SHEET 4/4)	P-225-329-DN-JG_C-05-05_4/4	R2
11	JEET GARH DMA - C-05-06	P-225-329-DN-JG_C-05-06	R2
12	JEET GARH DMA - C-05-07	P-225-329-DN-JG_C-05-07	R2
13	JEET GARH DMA - C-05-08 (SHEET 1/2)	P-225-329-DN-JG_C-05-08_1/2	R2
14	JEET GARH DMA - C-05-08 (SHEET 2/2)	P-225-329-DN-JG_C-05-08_2/2	R2
15	JEET GARH DMA - C-05-09 (SHEET 1/2)	P-225-329-DN-JG_C-05-09_1/2	R2
16	JEET GARH DMA - C-05-09 (SHEET 2/2)	P-225-329-DN-JG_C-05-09_2/2	R2
17	JEET GARH DMA - C-05-10 (SHEET 1/2)	P-225-329-DN-JG_C-05-10_1/2	R2
18	JEET GARH DMA - C-05-10 (SHEET 2/2)	P-225-329-DN-JG_C-05-10_2/2	R2
19	JEET GARH DMA - C-05-11 (SHEET 1/2)	P-225-329-DN-JG_C-05-11_1/2	R2
20	JEET GARH DMA - C-05-11 (SHEET 2/2)	P-225-329-DN-JG_C-05-11_2/2	R2
21	JEET GARH DMA - C-05-12 (SHEET 1/2)	P-225-329-DN-JG_C-05-12_1/2	R2
22	JEET GARH DMA - C-05-12 (SHEET 2/2)	P-225-329-DN-JG_C-05-12_2/2	R2
23	JEET GARH DMA - C-05-13 (SHEET 1/2)	P-225-329-DN-JG_C-05-13_1/2	R2
24	JEET GARH DMA - C-05-13 (SHEET 2/2)	P-225-329-DN-JG_C-05-13_2/2	R2
25	JEET GARH DMA - C-05-14 (SHEET 1/2)	P-225-329-DN-JG_C-05-14_1/2	R2
26	JEET GARH DMA - C-05-14 (SHEET 2/2)	P-225-329-DN-JG_C-05-14_2/2	R2
27	JEET GARH DMA - C-05-15	P-225-329-DN-JG_C-05-15	R2
28	JEET GARH DMA - C-05-16 (SHEET 1/3)	P-225-329-DN-JG_C-05-16_1/3	R2
29	JEET GARH DMA - C-05-16 (SHEET 2/3)	P-225-329-DN-JG_C-05-16_2/3	R2
30	JEET GARH DMA - C-05-16 (SHEET 3/3)	P-225-329-DN-JG_C-05-16_3/3	R2

S.NO.	DRAWINGS TITLE	DWG. NO.	REV.
D	KEY MAP OF DMA's		
D(III)	DISTRIBUTION NETWORK - HINDURAO		
1	HINDURAO DMA - C-06-01 (SHEET 1/4)	P-225-329-DN-HR_C-06-01_1/4	R2
2	HINDURAO DMA - C-06-01 (SHEET 2/4)	P-225-329-DN-HR_C-06-01_2/4	R2
3	HINDURAO DMA - C-06-01 (SHEET 3/4)	P-225-329-DN-HR_C-06-01_3/4	R2
4	HINDURAO DMA - C-06-01 (SHEET 4/4)	P-225-329-DN-HR_C-06-01_4/4	R2
5	HINDURAO DMA - C-06-02	P-225-329-DN-HR_C-06-02	R2
6	HINDURAO DMA - C-06-03 (SHEET 1/3)	P-225-329-DN-HR_C-06-03_1/3	R2
7	HINDURAO DMA - C-06-03 (SHEET 2/3)	P-225-329-DN-HR_C-06-03_2/3	R2
8	HINDURAO DMA - C-06-03 (SHEET 3/3)	P-225-329-DN-HR_C-06-03_3/3	R2
9	HINDURAO DMA - C-06-04 (SHEET 1/3)	P-225-329-DN-HR_C-06-04_1/3	R2
10	HINDURAO DMA - C-06-04 (SHEET 2/3)	P-225-329-DN-HR_C-06-04_2/3	R2
11	HINDURAO DMA - C-06-04 (SHEET 3/3)	P-225-329-DN-HR_C-06-04_3/3	R2
12	HINDURAO DMA - C-06-05	P-225-329-DN-HR_C-06-05	R2
13	HINDURAO DMA - C-06-06	P-225-329-DN-HR_C-06-06	R2
D(IV)	DISTRIBUTION NETWORK - IDGAH		
1	IDGAH DMA - A-01-01	P-225-329-DN-IG_A-01-01	R2
2	IDGAH DMA - A-01-02	P-225-329-DN-IG_A-01-02	R2
3	IDGAH DMA - A-01-03 (SHEET 1/2)	P-225-329-DN-IG_A-01-03_1/2	R2
4	IDGAH DMA - A-01-03 (SHEET 2/2)	P-225-329-DN-IG_A-01-03_2/2	R2
D(V)	DISTRIBUTION NETWORK - RAMJAS		
1	RAMJAS DMA - B-03-01	P-225-329-DN-RJ_B-03-01	R2
2	RAMJAS DMA - B-03-02	P-225-329-DN-RJ_B-03-02	R2
3	RAMJAS DMA - B-03-03	P-225-329-DN-RJ_B-03-03	R2
4	RAMJAS DMA - B-03-04	P-225-329-DN-RJ_B-03-04	R2
5	RAMJAS DMA - B-03-05	P-225-329-DN-RJ_B-03-05	R2
D (VI)	DISTRIBUTION NETWORK - JHANDEWALAN		
1	JHANDEWALAN DMA - A-02-01	P-225-329-DN-JH_A-02-01	R2
2	JHANDEWALAN DMA - A-02-02	P-225-329-DN-JH_A-02-02	R2
3	JHANDEWALAN DMA - A-02-03 (SHEET 1/2)	P-225-329-DN-JH_A-02-03_1/2	R2
4	JHANDEWALAN DMA - A-02-03 (SHEET 2/2)	P-225-329-DN-JH_A-02-03_2/2	R2
5	JHANDEWALAN DMA - A-02-04	P-225-329-DN-JH_A-02-04	R2
6	JHANDEWALAN DMA - A-02-05	P-225-329-DN-JH_A-02-05	R2
7	JHANDEWALAN DMA - A-02-06	P-225-329-DN-JH_A-02-06	R2
8	JHANDEWALAN DMA - A-02-07	P-225-329-DN-JH_A-02-07	R2
9	JHANDEWALAN DMA - A-02-08	P-225-329-DN-JH_A-02-08	R2
10	JHANDEWALAN DMA - A-02-09	P-225-329-DN-JH_A-02-09	R2
11	JHANDEWALAN DMA - A-02-10	P-225-329-DN-JH_A-02-10	R2
12	JHANDEWALAN DMA - A-02-11	P-225-329-DN-JH_A-02-11	R2
13	JHANDEWALAN DMA - A-02-12	P-225-329-DN-JH_A-02-12	R2
14	JHANDEWALAN DMA - A-02-13	P-225-329-DN-JH_A-02-13	R2
15	JHANDEWALAN DMA - A-02-14 (SHEET 1/2)	P-225-329-DN-JH_A-02-14_1/2	R2
16	JHANDEWALAN DMA - A-02-14 (SHEET 2/2)	P-225-329-DN-JH_A-02-14_2/2	R2
17	JHANDEWALAN DMA - A-02-15 (SHEET 1/2)	P-225-329-DN-JH_A-02-15_1/2	R2
18	JHANDEWALAN DMA - A-02-15 (SHEET 2/2)	P-225-329-DN-JH_A-02-15_2/2	R2
19	JHANDEWALAN DMA - A-02-16	P-225-329-DN-JH_A-02-16	R2

S.NO.	DRAWINGS TITLE	DWG. NO.	REV.
D	KEY MAP OF DMA's		
D (VI)	DISTRIBUTION NETWORK - JHANDEWALAN - Contd.		
20	JHANDEWALAN DMA - A-02-17	P-225-329-DN-JH_A-02-17	R2
21	JHANDEWALAN DMA - A-02-18	P-225-329-DN-JH_A-02-18	R2
22	JHANDEWALAN DMA - A-02-19	P-225-329-DN-JH_A-02-19	R2
23	JHANDEWALAN DMA - A-02-20 (SHEET 1/2)	P-225-329-DN-JH_A-02-20_1/2	R2
24	JHANDEWALAN DMA - A-02-20 (SHEET 2/2)	P-225-329-DN-JH_A-02-20_2/2	R2
25	JHANDEWALAN DMA - A-02-21 (SHEET 1/2)	P-225-329-DN-JH_A-02-21_1/2	R2
26	JHANDEWALAN DMA - A-02-21 (SHEET 2/2)	P-225-329-DN-JH_A-02-21_2/2	R2
27	JHANDEWALAN DMA - A-02-22 (SHEET 1/2)	P-225-329-DN-JH_A-02-22_1/2	R2
28	JHANDEWALAN DMA - A-02-22 (SHEET 2/2)	P-225-329-DN-JH_A-02-22_2/2	R2
29	JHANDEWALAN DMA - A-02-23 (SHEET 1/2)	P-225-329-DN-JH_A-02-23_1/2	R2
30	JHANDEWALAN DMA - A-02-23 (SHEET 2/2)	P-225-329-DN-JH_A-02-23_2/2	R2
31	JHANDEWALAN DMA - A-02-24 (SHEET 1/2)	P-225-329-DN-JH_A-02-24_1/2	R2
32	JHANDEWALAN DMA - A-02-24 (SHEET 2/2)	P-225-329-DN-JH_A-02-24_2/2	R2
D (VII)	DISTRIBUTION NETWORK - RIDGE ROAD		
1	RIDGE ROAD DMA - B-06-01 (SHEET 1/2)	P-225-329-DN-RR_B-06-01_1/2	R2
2	RIDGE ROAD DMA - B-06-01 (SHEET 2/2)	P-225-329-DN-RR_B-06-01_2/2	R2
3	RIDGE ROAD DMA - B-06-02 (SHEET 1/2)	P-225-329-DN-RR_B-06-02_1/2	R2
4	RIDGE ROAD DMA - B-06-02 (SHEET 2/2)	P-225-329-DN-RR_B-06-02_2/2	R2
5	RIDGE ROAD DMA - B-06-03 (SHEET 1/2)	P-225-329-DN-RR_B-06-03_1/2	R2
6	RIDGE ROAD DMA - B-06-03 (SHEET 2/2)	P-225-329-DN-RR_B-06-03_2/2	R2
7	RIDGE ROAD DMA - B-06-04	P-225-329-DN-RR_B-06-04	R2
D (VIII)	DISTRIBUTION NETWORK - CANT PALAM - II		
1	CANT PALAM DMA - F-02-01	P-225-329-DN-CP_F-02-01	R2
2	CANT PALAM DMA - F-02-02 (SHEET 1/3)	P-225-329-DN-CP_F-02-02_1/3	R2
3	CANT PALAM DMA - F-02-02 (SHEET 2/3)	P-225-329-DN-CP_F-02-02_2/3	R2
4	CANT PALAM DMA - F-02-02 (SHEET 3/3)	P-225-329-DN-CP_F-02-02_3/3	R2
5	CANT PALAM DMA - F-02-03	P-225-329-DN-RR_F-02-03	R2
6	CANT PALAM DMA - F-02-04 (SHEET 1/2)	P-225-329-DN-CP_F-02-04_1/2	R2
7	CANT PALAM DMA - F-02-04 (SHEET 2/2)	P-225-329-DN-CP_F-02-04_2/2	R2
8	CANT PALAM DMA - F-02-05 (SHEET 1/2)	P-225-329-DN-CP_F-02-05_1/2	R2
9	CANT PALAM DMA - F-02-05 (SHEET 2/2)	P-225-329-DN-CP_F-02-05_2/2	R2
10	CANT PALAM DMA - F-02-06 (SHEET 1/4)	P-225-329-DN-CP_F-02-06_1/4	R2
11	CANT PALAM DMA - F-02-06 (SHEET 2/4)	P-225-329-DN-CP_F-02-06_2/4	R2
12	CANT PALAM DMA - F-02-06 (SHEET 3/4)	P-225-329-DN-CP_F-02-06_3/4	R2
13	CANT PALAM DMA - F-02-06 (SHEET 4/4)	P-225-329-DN-CP_F-02-06_4/4	R2
14	CANT PALAM DMA - F-02-07 (SHEET 1/3)	P-225-329-DN-CP_F-02-07_1/3	R2
15	CANT PALAM DMA - F-02-07 (SHEET 2/3)	P-225-329-DN-CP_F-02-07_2/3	R2
16	CANT PALAM DMA - F-02-07 (SHEET 3/3)	P-225-329-DN-CP_F-02-07_3/3	R2
17	CANT PALAM DMA - F-02-08 (SHEET 1/2)	P-225-329-DN-CP_F-02-08_1/2	R2
18	CANT PALAM DMA - F-02-08 (SHEET 2/2)	P-225-329-DN-CP_F-02-08_2/2	R2
19	CANT PALAM DMA - F-02-09	P-225-329-DN-CP_F-02-09	R2
20	CANT PALAM DMA - F-02-10 (SHEET 1/2)	P-225-329-DN-CP_F-02-10_1/2	R2
21	CANT PALAM DMA - F-02-10 (SHEET 2/2)	P-225-329-DN-CP_F-02-10_2/2	R2
22	CANT PALAM DMA - F-02-11	P-225-329-DN-CP_F-02-11	R2
23	CANT PALAM DMA - F-02-12	P-225-329-DN-CP_F-02-12	R2

S.NO.	DRAWINGS TITLE	DWG. NO.	REV.
E	STANDARD DRAWINGS		
1	DETAILS OF VALVE CHAMBER FOR ISOLATION VALVE	P-225-3210-C-VC-001	R2
2	DETAILS OF VALVE CHAMBER FOR AIR VALVE	P-225-3210-C-VC-004	R2
3	DETAILS OF THRUST BLOCKS FOR MS PIPE LINE	P-225-3210-C-TB-001	R1
4	STANDARD PIPE SECTION FOR DISTRIBUTION SYSTEM (DI PIPE LAYING)	P-225-3210-STD-SPS-001	R1
5	DETAILS OF THRUST BLOCKS FOR DI PIPE LINE	P-225-3210-STD-TB-002	R0
6	INSTALLATION DETAIL OF SLUICE VALVE $\leq 300\text{MM } \varnothing$ - FOR DISTRIBUTION NETWORK	P-225-3210-STD-SV/IN-004	R1
7	RCC CHAMBER FOR DMA METER & BUTTERFLY VALVE (OPTION-1)	P-225-3210-STD-BM/BF-006	R1
8	RCC CHAMBER FOR DMA METER & BUTTERFLY VALVE (OPTION-2)	P-225-3210-STD-BM/BF-007	R1
9	DETAIL OF WASHOUT	P-225-3210-STD-WO-010	R1
10	TYPICAL BRIDGE CROSSING OF PIPE	P-225-3210-STD-BD-011	R0
11	DETAILS OF PRIORITY BULK CONNECTIONS	P-225-3210-STD-BS-013_1/2	R1
12	DETAILS OF PRIORITY BULK CONNECTIONS	P-225-3210-STD-BS-013_2/2	R1
13	DETAILS OF TRENCHLESS LOCTIONS	P-225-3210-STD-TR-014	R1
14	DETAILS OF ABOVE GROUND PIPE LINE LOCATIONS	P-225-3210-STD-AG-015	R0
15	DETAILS OF MAIN ROAD CROSSING LOCATIONS	P-225-3210-STD-RC-016	R0
16	TYPICAL HOUSE SERVICE CONNECTIONS	P-225-3210-STD-HC-017	R1
17	DETAILS OF VALVE SIZES FOR DISTRIBUTION SYSTEM	P-225-3210-STD-VS-018	R1
18	DETAILS OF DMA METER SIZES	P-225-3210-STD-DM-019	R1

PROPOSED TRANSMISSION SYSTEM & DMA
BOUNDARY FOR PACKAGE 3 (CENTRAL) OF
CHANDRAWAL COMMAND AREA



PACKAGE 2

PACKAGE 4

PACKAGE 3

LEGEND

- BPS
- UGRs
- WTP
- EXISTING PIPE LAID BY DJB
- PROPOSED CENTRAL TRANSMISSION PIPE- 1 PACKAGE 3
- PROPOSED CENTRAL TRANSMISSION PIPE- 2 PACKAGE 3
- UGR BOUNDARIES - PACKAGE 3
- DMA BOUNDARIES - PACKAGE 3
- UGR COMMAND AREA PACKAGE 3
- CHANDRAWAL WTP BOUNDARY
- CHANDRAWAL COMMAND AREA

