



BID DOCUMENT FOR

Design and Construction of Civil, Structures and Track Works, involving Formation in Embankment /Cutting, Ballast on Formation, Track Works, Bridges, Structures, Buildings, Yards & Integration with Indian Railway's Existing Railway System and Testing & Commissioning on Design-Build Lump Sum Basis of Sahnewal -Pilkhani Section (approximately 175 Route Km of Single Line) and Dadri-Khurja Section (approximately 46 Route Km of Double Line) of Eastern Dedicated Freight Corridor

CIVIL, STRUCTURES AND TRACK WORKS

Issued on: dd-mm-2015

ICB No.: HQ/EN/EC/D-B/Sahnewal-Pilkhani and Dadri-Khurja Sections

(Part-4)

CONTRACT PACKAGE NO.: 302

DADRI TO KHURJA

From Km 1413.856 to Km 1367.000

EMPLOYER: DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD

(A GOVERNMENT OF INDIA ENTERPRISE)

MINISTRY OF RAILWAYS

COUNTRY : INDIA

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Draft (Final) Resettlement Action Plan for Sahnewal-Pilkhani and Dadri-Khurja Sections
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Part 4 – Reference Documents

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1. Site details – Site data including alignment and survey details, Utilities, GADs etc.

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2. DFCC– Environmental Impact Assessment:

Environment Assessment (EA), Environment Management Framework and Environment Management Plan for Sahnewal-Pilkhani and Dadri-Khurja Sections

3. DFCC– Social Impact Assessment:

Draft (Final) Resettlement Action Plan for Sahnewal-Pilkhani and Dadri-Khurja Sections

4. DFCC – SHE Manual

DISCLAIMER –

"The number of structures given in sectional data (Vol. -1) list are final but other Data and Drawings attached to Tender document are indicative. The responsibility of detailed investigation, design and compliance of contract provisions as per Employer's Requirement rests with the Contractor"



डेडीकेटेड फ्रेट कोरीडोर

DESIGN AND CONSTRUCTION OF CIVIL, STRUCTURES AND TRACK WORKS FOR DOUBLE LINE RAILWAY INVOLVING FORMATION IN EMBANKMENTS/CUTTINGS, BALLAST ON FORMATION, TRACK WORKS, BRIDGES, STRUCTURES, BUILDINGS, YARDS, INTEGRATION WITH IR EXISTING RAILWAY SYSTEM AND TESTING & COMMISSIONING ON DESIGN-BUILD LUMP SUM BASIS FOR DADRI - KHURJA SECTION OF EASTERN DEDICATED FREIGHT CORRIDOR

Contract Package: 302

ICB No. HQ/EN/EC/D-B/DADRI - KHURJA

PART - 4 - REFERENCE DOCUMENT

SECTIONAL DATA - VOLUME - 1

DADRI TO KHURJA

From Km. 1413.856 to Km. 1367.000

SECTIONAL DATA

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LIMITED
(A GOVERNMENT OF INDIA ENTERPRISES)
MINISTRY OF RAILWAYS
COUNTRY : INDIA

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15	Chartered Utility List - Electrical (Table No.-14)
DISCLAIMER –	
"The number of structures given in sectional data (Vol. -1) list are final but other Data and Drawings attached to Tender document are indicative. The responsibility of detailed investigation, design and compliance of contract provisions as per employers requirement rests with the Contractor"	

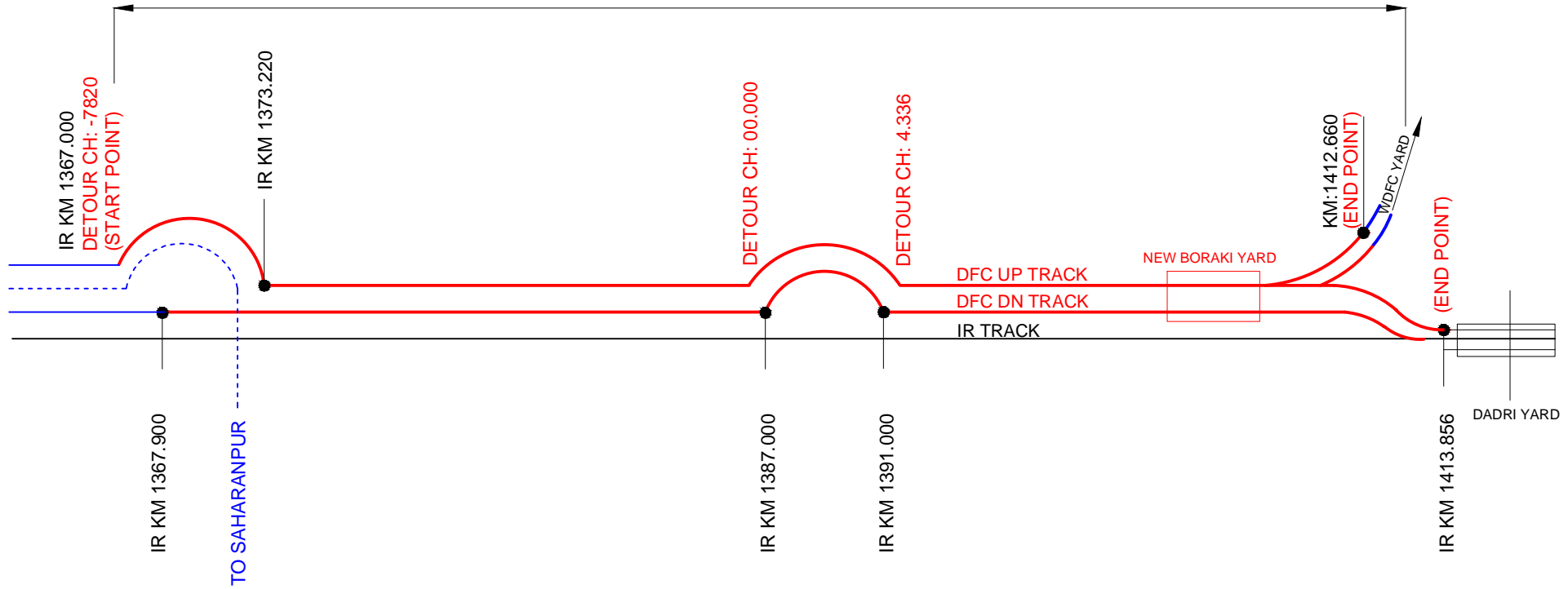
INDEX PLAN APL - 3

EASTERN CORRIDOR

CONTRACT PACKAGE 302
DADRI - KHURJA SECTION

← NEW KHURJA

DADRI →



NOT TO SCALE

PROPOSED DFC LINES PACKAGE 302 SHOWN THUS	
OTHER PROPOSED DFC LINES SHOWN THUS	
EXISTING IR LINES SHOWN THUS	

GENERAL CONSULTANT



AECOM Asia Co. Ltd.

9TH FLOOR, INFINITY TOWER C DLF CYBER CITY
DLF PHASE II GURGAON 122002, INDIA

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DEDICATED FREIGHT CORRIDOR
CORPORATION OF INDIA LTD.

(A GOVERNMENT OF INDIA ENTERPRISE)

Table No.1								
Contract Package 302								
Brief of the section								
Route Length								
From (IR KM)	To (IR KM)	Parallel/ Detour	Chainage (m)		Parallel Length (m)	Detour Length (m)	Connecting Line Length (m)	Remarks
			Start	End				
1367.000	1373.220	KRJ Detour (UP)	-7820	-520		7300.000		
1367.900	1373.220	Parallel (DN)	1367900	1373220	5320.000			
1373.220	1387.000	Parallel (UP & DN)	1373220	1387000	13780.000			
1387.000	1391.000	Wair Detour (UP & DN)	0	4336		4336.000		
1391.000	1413.856	Parallel (UP & DN)	1391000	1413856	22856.000			
1411.874	1412.660	WDFC Connecting Line	1411874	1412660			786.000	
Length for UP Line					36636.000	11636.000		
Total Length for UP Line						48272.000		
Length for DN Line					41956.000	4336.000		
Total Length for DN Line						46292.000		
Total WDFC Connecting Lines Length (UP & DN)						786.000		

Table No.2

Contract Package 302

Concordance Table

Sheet No.	DFCC Chainage shown in Project Sheet		Corresponding Railway KM		Remarks
	From Ch.	To Ch.	From KM	To KM	
K1	-7820	-6620	Khurja Detour		
K2	-6620	-5420	Khurja Detour		
K3	-5420	-4220	Khurja Detour		
K4	-4220	-3020	Khurja Detour		
K5	-3020	-1820	Khurja Detour		
K6	-1820	-520	Khurja Detour		
1	1367900	1369000	1367.900	1369.000	
2	1369000	1370200	1369.000	1370.200	
3	1370200	1371400	1370.200	1371.400	
4	1371400	1372600	1371.400	1372.600	
5	1372600	1373800	1372.600	1373.800	
6	1373800	1375000	1373.800	1375.000	
7	1375000	1376200	1375.000	1376.200	
8	1376200	1377400	1376.200	1377.400	
9	1377400	1378600	1377.400	1378.600	
10	1378600	1379800	1378.600	1379.800	
11	1379800	1381000	1379.800	1381.000	
12	1381000	1382200	1381.000	1382.200	
13	1382200	1383400	1382.200	1383.400	
14	1383400	1384600	1383.400	1384.600	
15	1384600	1385800	1384.600	1385.800	
16	1385800	1387000	1385.800	1387.000	
17	0	1200	Wair Detour		
18	1200	2400	Wair Detour		
19	2400	3600	Wair Detour		
20	3600	4250	Wair Detour		
21	1391000	1392200	1391.000	1392.200	
22	1392200	1393400	1392.200	1393.400	
23	1393400	1394600	1393.400	1394.600	
24	1394600	1395800	1394.600	1395.800	
25	1395800	1397000	1395.800	1397.000	
26	1397000	1398200	1397.000	1398.200	
27	1398200	1399400	1398.200	1399.400	
28	1399400	1400600	1399.400	1400.600	
29	1400600	1401800	1400.600	1401.800	
30	1401800	1403000	1401.800	1403.000	

Table No.2

Contract Package 302

Concordance Table

Sheet No.	DFCC Chainage shown in Project Sheet		Corresponding Railway KM		Remarks
	From Ch.	To Ch.	From KM	To KM	
31	1403000	1404200	1403.000	1404.200	
32	1404200	1405400	1404.200	1405.400	
33	1405400	1406600	1405.400	1406.600	
34	1406600	1407800	1406.600	1407.800	
35	1407800	1407960	1407.800	1407.960	
36	1407960	1409000	1407.960	1409.000	
37	1409000	1410200	1409.000	1410.200	
38	1410200	1411400	1410.200	1411.400	
39	1411400	1412600	1411.400	1412.600	
40	1412600	1413856	1412.600	1413.856	
41	1411874	1412660	WDFC Connecting Line		

Table No.3					
Contract Package 302					
Details of Major Bridges					
Sr. No.	Section	Bridge No.	Proposed Location (IR KM / DFCC Chainage)	Span Arrangement (m)	Water Way (m)
1	KRJ -SKQ	D-KRJ 26	-1440	4X9.15	36.60
2	KRJ -SKQ	176 DN	1372/364.451	4X9.15	36.60
3	DKDE - AJR	207	1400/241.439	1X30.5	30.50
4	AJR - DER	211	1407/484.357	3X9.15	27.45

Note: Bridges in Station Yards shall be designed to cater to the number of Tracks shown in respective Station Yards

Table No.4

Contract Package 302

Details of Minor Bridges

Sr. No.	Section	Bridge No.	Proposed Location (IR KM / DFCC Chainage)	Span Arrangement (m)	Remarks
1	KRJ Detour	D-KRJ 1	-6570.488	1X3.0X3.0	
2	KRJ Detour	D-KRJ 5	-5452.520	1X6.0X3.0	
3	KRJ Detour	D-KRJ 8	-5075.632	1X2.0X4.0	
4	KRJ Detour	D-KRJ 9	-4810.000	1X2.0X2.0	
5	KRJ Detour	D-KRJ 12	-4240.000	1X6.0X3.0	
6	KRJ Detour	D-KRJ 14	-4186.060	1X2.0X2.0	
7	KRJ Detour	D-KRJ 16	-3260.000	1X2.0X2.0	
8	KRJ -SKQ	173 DN	1370/919.880	1X2X1.2	
9	KRJ -SKQ	174 DN	1371/364.405	1X2X1.2	
10	KRJ -SKQ	175 DN	1372/000	1X6X2	
11	KRJ -SKQ	177	1373/790.876	1X1.2X2	
12	KRJ -SKQ	178	1375/273.706	1X2X1.2	
13	SKQ - GNRN	179	1376/769.566	1X2X1.2	
14	SKQ - GNRN	180	1378/999.607	1X1.2X1.2	
15	SKQ - GNRN	181	1380/058.619	1X2X2	
16	GNRN - CHL	182	1382/549.306	1X2X1.2	
17	GNRN - CHL	183	1382/813.941	1X1.2X1.2	
18	GNRN - CHL	184	1383/150.066	1X2X1.2	
19	GNRN - CHL	186	1384/494.346	1X1.2X1.2	
20	CHL - WAIR	187	1385/046.883	1X2X1.2	
21	CHL - WAIR	188	1385/853.99	1X2X2	
22	CHL - WAIR	189	1385/993.073	1X2X2	
23	CHL - WAIR	190	1387/135.712	1X1.2X1.2	
24	WAIR Detour	D-WAIR 8	2245.324	1X2X4	
25	WAIR Detour	D-WAIR 9	2565.421	1X2X3	
26	WAIR Detour	D-WAIR 10	2690.000	1X2X3	
27	WAIR Detour	D-WAIR 13	3950	1X2X3	
28	WAIR - FTP	195	1392/287.728	1X2X2	
29	WAIR - FTP	196	1392/953.232	1X1.2X1.2	
30	FTP - DKDE	197	1393/529.341	1X1.2X1.2	
31	FTP - DKDE	198	1394/215.978	1X2X1.2	
32	FTP - DKDE	199	1396/218.33	1X1.2X1.2	
33	FTP - DKDE	200	1396/662.05	1X2X1.2	
34	FTP - DKDE	201	1396/964.577	1X1.2X1.2	
35	FTP - DKDE	202	1397/594.452	1X2X1.2	
36	DKDE - AJR	203	1398/458.491	1X2X1.2	

Table No.4					
Contract Package 302					
Details of Minor Bridges					
Sr. No.	Section	Bridge No.	Proposed Location (IR KM / DFCC Chainage)	Span Arrangement (m)	Remarks
37	DKDE - AJR	204	1398/629.52	1X1.2X1.2	
38	DKDE - AJR	205	1399/059.833	1X2X1.2	
39	DKDE - AJR	206	1400/211.428	1X2X3	
40	DKDE - AJR	208	1400/707.719	1X2X2	
41	DKDE - AJR	209	1401/649.621	1X2X2	
42	DKDE - AJR	210	1405/321.581	1X2X1.2	
43	AJR - BRKY	212	1408/069.519	1X2X1.2	
44	AJR - BRKY	213	1408/611.855	1X2X2	
45	AJR - BRKY	214	1408/984.954	1X2X1.2	
46	AJR - BRKY	215	1411/143.048	1X1.2X1.2	
47	BRKY - DER	216	1411/904.047	1X4X2	
48	BRKY - DER	217	1413/130.000	1X2X2	

Note: Bridges in Station Yards shall be designed to cater to the number of Tracks shown in respective Station Yards

Table No.5

Contract Package 302

Details of Minor RUBs

Sr. No.	Section	Bridge No.	Proposed Location (IR KM / DFCC Chainage)	Span Arrangement (m)
1	KRJ Detour	D-KRJ 2	-6182.881	1X5.5X4.5
2	KRJ Detour	D-KRJ 3	-5699.461	1X5.5X4.5
3	KRJ Detour	D-KRJ 4	-5460.000	1X5.5X4.5
4	KRJ Detour	D-KRJ 6	-5441.969	1X5.5X4.5
5	KRJ Detour	D-KRJ 7	-5379.316	1X5.5X4.5
6	KRJ Detour	D-KRJ 10	-4800.000	1X5.5X4.5
7	KRJ Detour	D-KRJ 11	-4566.926	1X5.5X4.5
8	KRJ Detour	D-KRJ 13	-4225.660	2X6.0X5.5
9	KRJ Detour	D-KRJ 15	-3400.000	1X5.5X4.5
10	KRJ Detour	D-KRJ 17	-2921.377	1X5.5X4.5
11	KRJ Detour	D-KRJ 18	-2759.744	1X5.5X4.5
12	KRJ Detour	D-KRJ 18A	-2759.744	1X5.5X4.5
13	KRJ Detour	D-KRJ 19	-2560.000	1X5.5X4.5
14	KRJ Detour	D-KRJ 19A	-2560.000	1X5.5X4.5
15	KRJ Detour	D-KRJ 20	-2370.423	1X6.0X4.5
16	KRJ Detour	D-KRJ 20A	-2370.423	1X6.0X4.5
17	KRJ Detour	D-KRJ 21	-2198.096	1X6.0X4.5
18	KRJ Detour	D-KRJ 22	-2056.563	1X6.0X4.5
19	KRJ Detour	D-KRJ 23	-1800.000	1X6.0X4.5
20	KRJ Detour	D-KRJ 24	-1747.000	1X6.0X4.5
21	KRJ Detour	D-KRJ 25	-1700.000	1X6.0X4.5
22	KRJ Detour	D-KRJ 27	-1320	1X5.5X4.5
23	WAIR Detour	D-WAIR 1	1102.34	1X5.5X4.5
24	WAIR Detour	D-WAIR 2	1250	1X5.5X4.5
25	WAIR Detour	D-WAIR 3	1480	1X5.5X4.5
26	WAIR Detour	D-WAIR 4	1764.43	1X5.5X4.5
27	WAIR Detour	D-WAIR 5	1930.000	1X6.0X5.5
28	WAIR Detour	D-WAIR 6	2036.02	2X6.0X5.5

Table No.5

Contract Package 302

Details of Minor RUBs

Sr. No.	Section	Bridge No.	Proposed Location (IR KM / DFCC Chainage)	Span Arrangement (m)
29	WAIR Detour	D-WAIR 7	2139.02	1X5.5X4.5
30	WAIR Detour	D-WAIR 11	2895.000	1X5.5X4.5
31	WAIR Detour	D-WAIR 12	3669.93	1X5.5X4.5
32	WDFC Connection	WDFC-1	1009.95	1X5.5X4.5
33	WDFC Connection	WDFC-2	1179.15	1X5.5X4.5

Table No. 6				
Contract Package 302				
RUBs to be Constructed in lieu of Level X-INGs				
Sr. No.	LC. No.	Location (KM) IR	Span arrangement (m)	Remarks
1	130C	1372/3-5	1X6X4.50	
2	132C	1378/23-25	1X6X4.50	
3	133C	1381/23-25	1X6X4.50	
4	135C	1386/25-27	1X6X4.50	
5	137C	1392/17-19	1X6X4.50	
6	138C	1395/13-15	2X6X5.50	
7	140C	1400/19-21	1X6X4.50	
8	141C	1402/31-1403/1	2X6X4.50	
9	142	1404/19-21	1X6X4.50	
10	143C	1406/31-33	2X6X4.50	
11	144C	1409/1-3	1X6X4.50	
12	145	1410/25-27	2X6X5.50	
13	146B	1412/11-13A	2X6X5.50	

Table No. 7

Contract Package 302

List of FOBs to be Constructed/Modified/Extended

Sr. No	Station Name	Station Code	IR KM	Detour/ Parallel	Proposed width (m)	Remarks
1	Khurja	KRJ	1369.82	Parallel	3.00	1 No. FOB Extension
2	Sikanderpur	SKQ	1375.39	Parallel	3.00	1 No. FOB Extension
3	Gangrol	GNRL	1380.18	Parallel	3.00	1 No. FOB Extension
4	Chola	CHL	1384.55	Parallel	3.00	1 No. FOB Extension
5	Fatehpur Makrandpur	-	1392.25	Parallel	3.00	1 No. FOB New
6	Dankaur	DKDE	1398.02	Parallel	3.00	1 No. FOB Extension
7	Ajaibpur	AJR	1406.46	Parallel	3.00	1 No. FOB Extension
8	Boraki	BRKY	1411.37	Parallel	3.00	1 No. FOB Extension

Table No. 8				
Contract Package 302				
Land for Construction Depot				
Sr. No.	Rly Km. (Approx)		Between Station	Land Width
1	1378.700	1379.700	SKQ - GNRN	100m From Up main Indian Railways

Table No. 9

Contract Package 302

Details of Stations of Existing Indian Railway Network

Sr. No.	Section	Station	Station Code	Railway KM	Remarks
1	Contract Package 302	Khurja Jn.	KRJ	1369.82	
2		Sikanderpur	SKQ	1375.39	
3		Gangraul - H	GNRL	1380.18	
4		Chola	CHL	1384.55	
5		Wair	WAIR		Detour
6		Fatehpur Makrandpur	-	1392.25	
7		Dankaur	DKDE	1398.02	
8		Ajaibpur	AJR	1406.46	
9		Boraki	BRKY	1411.37	
10		Dadri	DER	1415.69	

Table No.10						
Contract Package 302						
Details of Junction Station on DFC Route						
Sr. No.	Section	From DFCC Chainage	To DFCC Chainage	Location	Center Line	Classification
1	Contract Package 302	1408975	1413215	New Boraki	1411.37	Junction Station

Table No.11								
Contract Package 302								
Chartered utilities-Summary of Old Structure to be Modified, Relocated before Dismantling (Contract Package 302)								
Sr. No.	Contract Package	Stations	IR KM	Platform New/ Modification	Station Building	Quarters		Boundary Wall/ Fencing
						IR (Type - II)	IR (Type - III)	
Existing IR Stations								
1	Contract Package 302	Khurja	1369.82	-	-	44	-	As per Employer's requirement
2		Sikanderpur	1375.39	-	-	6	-	
3		Block Hut G-G	1380.18	-	-	-	-	
4		Chola	1384.55	-	-	-	-	
5		Wair	Detour	-	-	-	-	
6		Fatehpur Makrandpur	1392.25	-	-	-	-	
7		Dankaur	1398.02	-	-	46	5	
8		Ajaibpur	1406.46	-	-	-	-	
9		Boraki	1411.35	-	-	-	-	
10		Dadri	1415.69	-	-	-	-	

Table No.12										
Contract Package 302										
Summary of New Structure to be constructed (Contract Package 302)										
Sr. No.	Contract Package	Stations	IR KM	Platform New/ Modification	Station Building	New Quarters		IMSD	Boundary Wall/ Fencing	Approach Road
						A	B			
Proposed DFC Stations										
1	Contract Package 302	New Boraki & In Section	1411.350	1	1	48	7	1	1) 5 Km Boundary Wall. 2) 3 Km Fencing.	6 Km

Table No.13

Contract Package 302

Chartered Utility List - Civil Structures

S.No.	Section	KM(IR)/ Chainage (DFCC)	Parallel/ Detour	Description	Action Required
1	DER - BRKY	1413/25-27	Parallel	Battery Room	To be Relocated before Dismantling existing
2	DER - BRKY	1413/25-27	Parallel	Battery Room	To be Relocated before Dismantling existing
3	DER - BRKY	1412/5A-3	Parallel	House Boundary Wall	To be Dismantled
4	BRKY - AJR	1410/23-1411/19	Parallel	Private House	To be Dismantled
5	BRKY - AJR	1407/1-3	Parallel	School Building	To be Dismantled
6	BRKY - AJR	1406/31-33	Parallel	Duty hut	To be Dismantled
7	BRKY - AJR	1406/31 to 1406/15	Parallel	Road	To be Relocated
8	BRKY - AJR	1406/25-27	Parallel	Shop	To be Dismantled
9	BRKY - AJR	1406/15-23	Parallel	Private Shops & Houses	To be Dismantled
10	BRKY - AJR	1406/15-23	Parallel	Private Shops & Houses	To be Dismantled
11	AJR - DKDE	1406/11-15	Parallel	Houses	To be Dismantled
12	AJR - DKDE	1406/9-11	Parallel	House	To be Dismantled
13	AJR - DKDE	1405/15-21	Parallel	Water Logged Area	To be Filled
14	AJR - DKDE	1405/15-19	Parallel	House	To be Dismantled
15	AJR - DKDE	1404/27-1405/17	Parallel	Houses & Shops	To be Dismantled
16	AJR - DKDE	1404/25-27	Parallel	Boundary Wall with Rooms	To be Dismantled
17	AJR - DKDE	1404/21-23	Parallel	GAIL Pipe Line	Arrangement for passing DFC Tracks to be made
18	AJR - DKDE	1404/9-1404/19	Parallel	Road	To be Relocated
19	AJR - DKDE	1400/31-33	Parallel	Private House	To be Dismantled
20	AJR - DKDE	1400/9-1400/27	Parallel	Road	To be Relocated
21	AJR - DKDE	1399/13-15	Parallel	Private House	To be Dismantled
22	AJR - DKDE	1399/13-15	Parallel	Borewell	To be Filled
23	AJR - DKDE	1398/27-29	Parallel	House	To be Dismantled
24	AJR - DKDE	1398/27-29	Parallel	Boundary Wall	To be Dismantled
25	AJR - DKDE	1398/25-27	Parallel	House	To be Dismantled
26	AJR - DKDE	1398/25-27	Parallel	House	To be Dismantled
27	AJR - DKDE	1398/16-25	Parallel	Private Houses	To be Dismantled
28	DKDE - WAIR	1397/33-37	Parallel	Pump House + Overhead water Tank	To be Relocated before Dismantling existing
29	DKDE - WAIR	1397/29-31	Parallel	Switch Room	To be Relocated before Dismantling existing
30	DKDE - WAIR	1398/9-11	Parallel	TSS(Control room+Fencing+Duct of Cables+ Foundations etc.)	To be Dismantled (after removal of Electric utility by NCR)

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Chartered Utility List - Civil Structures

31	DKDE - WAIR	1397/29-31	Parallel	Shop & Houses	To be Dismantled
32	DKDE - WAIR	1396/13-15	Parallel	Borewell	To be Filled
33	DKDE - WAIR	1396/11-13	Parallel	Well	To be Filled
34	DKDE - WAIR	1396/11-13	Parallel	Private House	To be Dismantled
35	DKDE - WAIR	1394/9-1395/11	Parallel	Road	To be Relocated
36	DKDE - WAIR	1394/9-1395/11	Parallel	Nala	To be Relocated before Dismantling existing
37	DKDE - WAIR	1395/1-3	Parallel	School Boundary Wall	To be Dismantled
38	DKDE - WAIR	1395/1-3	Parallel	Bore Well	To be filled
39	DKDE - WAIR	1394/27-29	Parallel	Borewell	To be filled
40	DKDE - WAIR	1393/17-19	Parallel	Samadhi	To be Relocated before Dismantling existing
41	DKDE - WAIR	1393/3-7	Parallel	Samadhi	To be Relocated before Dismantling existing
42	DKDE - WAIR	1392/17 - 1391/11-13	Parallel	Road	To be Relocated
43	DKDE - WAIR	1392/15-17	Parallel	Land Boundary	To be Dismantled
44	DKDE - WAIR	1392/11-13	Parallel	Private House	To be Dismantled
45	DKDE - WAIR	1391/13-15	Parallel	Borewell	To be Filled
46	WAIR Detour	1070 W	Detour	Tubewell	To be Filled
47	WAIR Detour	2000 W	Detour	Private Houses	To be Dismantled
48	WAIR Detour	2000 W	Detour	Shops	To be Dismantled
49	WAIR Detour	2245 W	Detour	Brick Kiln	To be Dismantled
50	WAIR Detour	2360 W	Detour	Tubewell	To be Filled
51	WAIR Detour	2400 W	Detour	Tubewell Room	To be Dismantled
52	WAIR Detour	3200 W	Detour	Tubewell	To be Filled
53	WAIR Detour	3560 W	Detour	Water Logged Area	To be Filled
54	WAIR - CHL	1386/25-27 to 1387/7-9	Parallel	Road	To be Relocated
55	WAIR - CHL	1386/25-27	Parallel	Ashram	To be Relocated
56	WAIR - CHL	1386/25-27	Parallel	Hand Pump	To be Relocated before Dismantling existing
57	WAIR - CHL	1384/23-25 to 1386/21-23	Parallel	Nala	To be Relocated before Dismantling existing
58	WAIR - CHL	1385/11-13	Parallel	Slab Bridge Over Nala	To be Relocated
59	WAIR - CHL	1384/9-17	Parallel	Road	To be Relocated
60	CHL - GNRL	1384/11-13	Parallel	Hand Pump	To be Relocated before Dismantling existing
61	CHL - GNRL	1383/35-37	Parallel	Samadhi	To be Relocated before Dismantling existing
62	CHL - GNRL	1382/23-25	Parallel	Hand Pump Govt.	To be Relocated before Dismantling existing

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Chartered Utility List - Civil Structures

63	CHL - GNRL	1382/23-27	Parallel	Houses	To be Dismantled
64	CHL - GNRL	1382/13-15	Parallel	Drain	To be Relocated before Dismantling existing
65	CHL - GNRL	1381/23-25	Parallel	Samadhi	To be Relocated before Dismantling existing
66	CHL - GNRL	1381/23-25	Parallel	Borewell	To be Filled
67	CHL - GNRL	1380/13-15	Parallel	Well	To be Filled
68	CHL - GNRL	1380/13-15	Parallel	Govt. Handpump	To be Relocated before Dismantling existing
69	CHL - GNRL	1380/13-15	Parallel	House	To be Dismantled
70	CHL - GNRL	1380/13-15	Parallel	House	To be Dismantled
71	CHL - GNRL	1380/11-13	Parallel	Boundary Wall	To be Dismantled
72	CHL - GNRL	1380/3-5	Parallel	House	To be Dismantled
73	GNRL - SKQ	1377/17-19	Parallel	Borewell	To be Relocated before Dismantling existing
74	GNRL - SKQ	1375/33-35	Parallel	TubeWell	To be Dismantled
75	GNRL - SKQ	1375/27-29	Parallel	Shops	To be Dismantled
76	GNRL - SKQ	1375/19-21	Parallel	House	To be Dismantled
77	GNRL - SKQ	1375/17-21	Parallel	Road	To be Relocated
78	GNRL - SKQ	1375/17-1374/29	Parallel	Road	To be Relocated
79	SKQ - KRJ	1375/13-15	Parallel	Govt. Handpump	To be Relocated before Dismantling existing
80	SKQ - KRJ	1375/13-15	Parallel	Private House	To be Dismantled
81	SKQ - KRJ	1375/11-13	Parallel	Hand Pump 2 Nos.	To be Relocated before Dismantling existing
82	SKQ - KRJ	1374/29 to 1375/5-7	Parallel	Private House	To be Dismantled
83	SKQ - KRJ	1372/13-17	Parallel	Tubewell with Room	To be Dismantled
84	SKQ - KRJ	1372/1-9	Parallel	Private House	To be Dismantled
85	SKQ - KRJ	1372/1-9	Parallel	PARK + Statue of Dr. Ambedkar	To be Relocated before Dismantling existing
86	SKQ - KRJ	1372/3-5	Parallel	Govt. Handpump	To be Relocated before Dismantling existing
87	SKQ - KRJ	1370/21-25	Parallel	Private Houses & Boundary	To be Dismantled
88	SKQ - KRJ	1370/13-21	Parallel	Boundary Wall & FCI Godown	To be Dismantled
89	SKQ - KRJ	1370/11-15	Parallel	Private House	To be dismantled
90	SKQ - KRJ	1370/7-9	Parallel	Private Shops	To be Dismantled
91	SKQ - KRJ	1370/7-9	Parallel	Houses	To be Dismantled
92	SKQ - KRJ	1369/39-41	Parallel	Tube Well	To be Filled
93	SKQ - KRJ	1369/29-33	Parallel	Abandoned Running Room	To be Dismantled
94	SKQ - KRJ	1369/27-29	Parallel	Pump House with Boundary Wall	To be Dismantled

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Chartered Utility List - Civil Structures					
95	SKQ - KRJ	1369/37-39	Parallel	Temple	To be Relocated
96	SKQ - KRJ	1369/23-27	Parallel	Private Building & Houses	To be Dismantled
97	SKQ - KRJ	1369/23-27	Parallel	Kacha Structure	To be Dismantled
98	SKQ - KRJ	1368/29-31	Parallel	Samadhi	To be Relocated before Dismantling existing
99	SKQ - KRJ	1368/29-31	Parallel	Samadhi	To be Relocated before Dismantling existing
100	SKQ - KRJ	1369/27-29	Parallel	RMS Office (Abandoned)	To be Dismantled
101	SKQ - KRJ	139/37-39	Parallel	Trolley Hut	To be Relocated before Dismantling existing
102	SKQ - KRJ	1369/25-27	Parallel	Toilet	To be Dismantled
103	SKQ - KRJ	1369/31-33	Parallel	OHE Depot	To be Relocated before Dismantling existing
104	SKQ - KRJ	1369/29-31	Parallel	Inspector Rest House	To be Relocated
105	SKQ - KRJ	1369/39-41	Parallel	Sub-station+ Overhead Tank+Pump House	To be relocated before dismantling existing
106	KRJ Detour	7000 K	Detour	Tubewell	To be Dismantled
107	KRJ Detour	5800-5900 K	Detour	Tubewell	To be Dismantled
108	KRJ Detour	3600 K	Detour	Tubewell with Room	To be Dismantled
109	KRJ Detour	3300 K	Detour	Samadhi	To be Relocated before Dismantling existing
110	KRJ Detour	3300 K	Detour	Tubewell	To be Dismantled
111	KRJ Detour	3100 K	Detour	Tubewell	To be Dismantled
112	KRJ Detour	3100 K	Detour	Samadhi	To be Relocated before Dismantling existing
113	KRJ Detour	2850 K	Detour	Tubewell	To be Dismantled
114	KRJ Detour	2759 K	Detour	Tube Well	To be Dismantled
115	KRJ Detour	2560 K	Detour	Tubewell	To be Filled
116	KRJ Detour	2400 K	Detour	Village Road	To be Relocated
117	KRJ Detour	2100 K	Detour	Tubewell	To be Dismantled
118	KRJ Detour	1800 K	Detour	Samadhi	To be Relocated before Dismantling existing
119	KRJ Detour	1700 K	Detour	Tubewell with Room	To be Relocated before Dismantling existing
120	KRJ Detour	1380 K	Detour	Samadhi	To be Relocated before Dismantling existing
121	KRJ Detour	1300 K	Detour	Tubewell	To be Filled
122	KRJ Detour	1000 K	Detour	Samadhi	To be Relocated before Dismantling existing

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Chartered Utility List - Electrical

S. No.	Section	KM(IR) / Chainage (DFCC)	Description	Action Required
Parallel Section				
1	Khurja (Near East cabin1)	1368/3-5	Electric Line of 33KV crossing the existing IR Track through U/G cable	To be relocated /modified
2	Khurja-Sikandpur (Near LC 131)	1371/5-7 to 1372/1	33KV Electric line with Poles (Parallal to track)	To be relocated /modified
3	Khurja-Sikandpur (Near LC 131)		Electric line with Poles 33KV (with of provision of crossing the Existing IR track through U/G cable)	To be relocated /modified
4	Khurja-Sikandpur (Near LC 131)	1372/3-5	LT line 230V street pole (Parallel)	To be relocated /modified
5	Khurja-Sikandpur (Near LC 131)	1372/13-15	LT 230v Electric line with Poles (Parallel to track)	To be relocated /modified
6	Sikandarpur Station	1374/37 1375/1	Electric line with Poles 440V (Parallel to track)	To be relocated /modified
7	Sikandarpur Chola Saction	1375/33-35	Electric line with Poles 440V	To be relocated /modified
8	Sikandarpur Chola Saction	1382/23-25	11KV Electric line with Poles (Parallel to track)	To be relocated /modified
9	Sikandarpur Chola Saction	1385/15-17	Elect. Pole Unwired 11KV	To be relocated /modified
10	Chola to Wair	1385/17-19	Electric line with Poles 11KV (with provision of crossing the Existing IR track through U/G cable)	To be relocated /modified
11	Chola-Dankaur (Fatehpur-Makrandpur)	1393/1-15	Electric line with Poles 230 Volt (Parallel)	To be relocated /modified
12	Wair-Dankaur Saction	1396/13-15	Electric line with Poles 440V Parallel	To be relocated /modified
13	Near Dankaur Station	1397/1-3	11KV Electric line with Poles crossing the Existing IR track through U/G cable	To be relocated /modified
14	Near Dankaur Station	1397/19-21	Electric line with Poles 33KV (crossing the Existing IR track through U/G cable)	To be relocated /modified
15	Near Dankaur Station (Dankaur-Ajaibpur Saction)	1399/13-15	LT Electric line with Poles 440V (Parallel)	To be relocated /modified
16	Near Ajaibpur Station	1404/27 to 1405/17	LT Electric line with Poles 230V (Parallel)	To be relocated /modified
17	Near Ajaibpur Station	1406/17-33	Electric line with Poles 33KV (Elect.) (Porallel to track)	To be relocated /modified
18	Boraki Station	1410/25 to 1411/5	LT Electric line with Poles 440V (Parallel)	To be relocated /modified
19	KRJ - Detour	-7000 to -6900	Electric line with Poles 11KV	To be relocated /modified
20	KRJ - Detour	-5800 to -5900	Electric line with Poles 11KV	To be relocated /modified
21	KRJ - Detour	-5900 to -6000	Electric line with Poles 11KV	To be relocated /modified
22	KRJ - Detour	-5820	Electric line with Poles 11KV	To be relocated /modified
23	KRJ - Detour	-5815	Electric line with Poles 11KV	To be relocated /modified
24	KRJ - Detour	-5810	Electric line with Poles 33KV	To be relocated /modified
25	KRJ - Detour	-5699	Electric line with Poles 11KV	To be relocated /modified
26	KRJ - Detour	-5550	Electric line with Poles 11KV	To be relocated /modified
27	KRJ - Detour	-5418	LT Electric line with Poles 440V	To be relocated /modified
28	KRJ - Detour	-5500	Electric Line 33KV Pole	To be relocated /modified
29	KRJ - Detour	-5620	Electric line with Poles 33KV	To be relocated /modified
30	KRJ - Detour	-4800	Electric line with Poles 33KV	To be relocated /modified
31	KRJ - Detour	-4700	Electric line with Poles 11KV	To be relocated /modified

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Chartered Utility List - Electrical

S. No.	Section	KM(IR) / Chainage (DFCC)	Description	Action Required
32	KRJ - Detour	-4200 to -4300	Electric line with Poles 11KV	To be relocated /modified
33	KRJ - Detour	-3700	Electric line with Poles 11KV	To be relocated /modified
34	KRJ - Detour	-3600	EElectric line with Poles 11KV with transformer	To be relocated /modified
35	KRJ - Detour	-3350	LT Electric line with Poles 440V	To be relocated /modified
36	KRJ - Detour	-3100 to -2800	Electric line with Poles 11KV	To be relocated /modified
37	KRJ - Detour	-2850	LT Electric line with Poles 440V	To be relocated /modified
38	KRJ - Detour	-2800	Electric 11KV line	To be relocated /modified
39	KRJ - Detour	-2820	LT Electric line with Poles 440V for tube well	To be relocated /modified
40	KRJ - Detour	-2820	Electric line with Poles 11KV	To be relocated /modified
41	KRJ - Detour	-2600 to -2700	Electric line with Poles 11KV	To be relocated /modified
42	KRJ - Detour	-2200 to 2100	Electric line with Poles 11KV	To be relocated /modified
43	KRJ - Detour	-2100	Electric line 11KV Pole	To be relocated /modified
44	KRJ - Detour	-2100	LT Electric line with Poles 440V	To be relocated /modified
45	KRJ - Detour	-2000	LT line 440V Pole	To be relocated /modified
46	KRJ - Detour	-1800	Electric line with Poles 11KV	To be relocated /modified
47	KRJ - Detour	-1660	LTElectric line with Poles 440V	To be relocated /modified
48	WAIR - Detour	600	LT Electric line with Poles 440V	To be relocated /modified
49	WAIR - Detour	1450	Electric line with Poles 11KV	To be relocated /modified
50	WAIR - Detour	1640	Electric line with Poles 11KV	To be relocated /modified
51	WAIR - Detour	1800	Electric line with Poles 11KV	To be relocated /modified
52	WAIR - Detour	2400	LTElectric line with Poles 440V	To be relocated /modified
53	WAIR - Detour	2620	Electric line with Poles 11KV	To be relocated /modified
54	WAIR - Detour	2840 to 3000	LT Electric line with Poles 440V	To be relocated /modified
55	WAIR - Detour	3270 to 3550	Electric line with Poles 11KV	To be relocated /modified