LEGEND FOR EXISTING FEATURES

OBJECT	LAYER NAME	COLOUR	LEGEND	CODE
BOREHOLE	BOREHOLE	8		BR
BRIDGE /CULVERT DETAILS	BRIDGE – CULVERT DETAILS	7		BR-CUL DETAILS
BRIDGE CENTER & PIER	BRIDGE	56		BR
COMPOUND WALL	COMPOUND WALL	5		COMPOUND WALL
CULVERT	CULVERT	40		CUL
DEMOLISHED ROAD & STRUCTURES	DEMOLISHED ROAD & STRUCTURES	72		EX. STR
DIVIDER	DIVIDER	8		DIVIDER
DRAIN	DRAIN	130		DRAIN
ELECTRIC BOX	ELECTRIC BOX	5	EB	EB
ELECTRIC LINE	ELECTRIC LINE	8		ELE. LINE
ELECTRIC POLE	ELECTRIC POLE	6		ELE. POLE
EMBANKMENT BOTTOM	EMBANKMENT BOTTOM	8		EMB. BOTTOM
EMBANKMENT TOP	EMBANKMENT TOP	8		EMB. TOP
EXISTING ROADS	ROAD	44		RD
	CART TRACK	44		CRT. TRK
FENCING	FENCING	8		FENCING
FOOT OVER BRIDGE (FOB)	FOB	7		FOB
GATE	GATE	8		GATE
GPS STATION	GPS STATION	87		GPS
GROUND LEVEL	GROUND LEVEL	3		GR. LVL
HAND PUMP	HAND PUMP	6		HP
HIGH TENSION LINE	HIGH TENSION LINE	7		HT. LINE
HIGH TENSION TOWER	HIGH TENSION TOWER	7		HT. TOWER
KILOMETER STONES	KILOMETER STONE	203		KM. STONE
LAMP POST	LAMP POST	8		LAMP POST
MANHOLE	MANHOLE	5		MH
NALLAH / CANAL	NALLAH	130		NALLAH
NAME BOARD	NAME BOARD	8	NB	NB
OFC	OFC	8		OFC
OFC	OFC CABLE	8		OFC
PIPE LINE (GAS)	PIPE LINE (GAS)	8		GPL
PIPE LINE (GENERAL)	PIPE LINE (GENERAL)	8		GEN. PL
PIPE LINE (WATER)	PIPE LINE (WATER)	135		WPL
POND	POND	130		POND
PROPOSED ROW	PROPOSED ROW	96		PROW
RAILWAY BOUNDARY PILLAR	RAILWAY BOUNDARY PILLAR	10		DFC
RAILWAY BOUNDARY PILLAR	RAILWAY BOUNDARY PILLAR	10		RBP
RAILWAY ELECTRIC POLE	RAILWAY ELECTRIC POLE	8		RLY. ELEC. POLE
RAILWAY PLATFORM	RAILWAY PLATFORM	245		RLY. PF
RETAINING WALL	RETAINING WALL	66		RETAINING WALL
RIVER	RIVER	142		RIVER
ROW AS PER TENDER	ROW AS PER TENDER	132		ROW_T
SEWER LINE	SEWER LINE	8		SEWER
SIGN BOARD	SIGN BOARD	8		SB
SIGNAL POLE	SIGNAL POLE	7		SIGNAL POLE
STRUCTURES	STRUCTURES	8	HOUSE SHOP HUT BLDG WORK LATRIN WATER TAMPLE PLEASE MENTION THE NAME OF ANY STRUCTURES e.g. OFFICE, HOTEL, HOSPITAL	STR
SUB TRACK	SUB TRACK	150		SUB TRACK
TELEPHONE LINE	TELEPHONE LINE	45		TEL. LINE
TELEPHONE POLE	TELEPHONE POLE	45		TEL. POLE
TEMPORARY BENCH MARK	TEMPORARY BENCH MARK	5		TBM
TRACK CENTER	TRACK CENTER	191		TR. CEN
TRANSFORMER	TRANSFORMER	5	TRANSFORMER	TF
TRAVERSE STATION	TRAVERSE-STN	142		TSP
TREES	TREE SIZE OF 0.3M TO 0.6M	80		TREE
	TREE SIZE OF 0.6M TO 0.9M	82		TREE
	TREE SIZE OF 0.9M TO 1.8M	84		TREE
	TREE SIZE 1.8 TO ABOW METER	72		TREE
VILLAGE NAME	VILLAGE NAME	23		VILLAGE NAME
WATER TANK	WATER TANK	8	WT	WT
WELL	WELL	8	WELL	WELL

LEGEND FOR PLAN & PROFILE

LEGEND FOR PLAN

OBJECT	LAYER NAME	COLOUR NO.	LINE TYPE
CHAINAGES	CHAINAGE	10	
CROSS OVER	PROPOSED CROSS OVER	1	
CURVE TABLE	CURVE TABLE	10	
DIMENSIONS	DIM	10	
EMBANKMENT	EMBANKMENT	30	
FUTURE TRACK IN YARDS	FUTURE TRACK IN YARDS	6	
GEOMETRY	GEOMETRY	10	
GRADIENT	GRADIENT	10	
GRIDS	GRIDS	8	
LOOP LINES	PROPOSED LOOP LINES	1	
MAJOR CONTOUR	MAJOR CONTOUR	7	
MATCH LINE	MATCH LINE	6	
MINOR CONTOUR	MINOR CONTOUR	8	
NOT IN SCOPE	BRIDGES / TRACK	175	
NOT IN SCOPE SERVICE ROAD	NOT IN SCOPE SERVICE ROAD	5	
PROPOSED ALIGNMENT DN & UP	PROPOSED FUTURE DFC DOWN PANOLI CONNECTING LINE	1	
	PROPOSED DFC UP PANOLI CONNECTING LINE	1	
PROPOSED BRIDGES	BRIDGES	10	
PROPOSED FOB	PROPOSED FOB	10	
PROPOSED RETAINING WALL	T – RETAINING WALL	28	
PROPOSED ROAD DIVERSION	PROPOSED ROAD	10	
TURN OUT	PROPOSED TURN OUT	1	
PROPOSED DFC TRACK AND EMBANKMENT AS PER ORIGINAL SCOPE OF CTP 13	DFC ALIGNMENT AS PER ORIGINAL SCOPE OF CTP 13	6	

LEGEND FOR PROFILE

OBJECT	LAYER NAME	COLOUR NO.	LINE TYPE
CHAINAGE	PROFILE CHAINAGE	7	
CUT	PROFILE CUT	160	
EXISTING GL	PROFILE EXISTING GL	96	
FILL	PROFILE FILL	10	
HORIZONTAL ALIGNMENT	PROFILE HORIZONTAL ALIGNMENT	10	
PROPOSED FORMATION LEVEL	PROPOSED FORMATION LEVEL	10	
TABLE	PROFILE TABLE	7	
VERTICAL ALIGNMENT	PROFILE VERTICAL ALIGNMENT	10	

ABBREVIATION

BR.	BRIDGE
Ca	APPLIED CANT
CC	LENGTH OF CURVE
Cd	CANT DEFICIENCY
Cg	CANT GRADIENT
CS	CIRCULAR TO SPIRAL
ELe	ELEVATION
EXG.	EXISTING
IP	INTERSECTION POINT
LC	LENGTH OF CIRCULAR CURVE
LS	LENGTH OF TRANSITION
Lvc	LENGTH OF VERTICAL CURVE
L-XING	LEVEL CROSSING
PRO.	PROPOSED
PVC	POINT OF VERTICAL CURVATURE
PVI	POINT OF VERTICAL INTERSECTION
PVT	POINT OF VERTICAL TANGENCY
R	RADIUS
SC	SPIRAL TO CIRCULAR
ST	SPIRAL TO TANGENT
TL	TANGENT LENGTH
TS	TANGENT TO SPIRAL
WCB	WHOLE CIRCLE BEARING

NOTES

1. "ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE"
2. CO-ORDINATE SYSTEM WGS84
3. * SHOWS THE TOTAL LENGTH OF THE DESIGNED LENGTH ELEMENT
4. TOP WIDTH OF EMBANKMENT IN FILLING IS 13.86M AT STRAIGHT AND IN CUTTING.
5. PROPOSED FORMATION IS TOP OF BLANKET.
6. THE STRUCTURE SIZE INDICATED IN PLAN & PROFILE DRAWING ARE PRELIMINARY AND FOR INDICATIVE PURPOSE. FOR THE ACTUAL SIZE OF STRUCTURE & LOCATION REFER RESPECTIVE G.A. DRAWING OF THAT STRUCTURE.
7. THE DISTANCES BETWEEN THE PROPOSED DFC PANOLI CONNECTING LINES UP & DOWN TRACK WILL BE 6M.

FOR INFORMATION ONLY

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL-CTP-13
Contractor's Representative | Date

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
C	26-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
B	18-FEB-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/DMT/CTP-13/1901/20335 (DATED 29-JAN-2019)	ACT	SRG	SKP	SKP
A	11-OCT-18	FOR APPROVAL	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN
PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD. | IRCON | TATA

DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
LEGEND AND ABBREVIATION FOR PLAN & PROFILE DRAWINGS

JOB NO: 8309			SIZE A2	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT			TD: (TECHNICAL)
DSGN	SRG			✓ CD: (CONSTRUCTION)
CHKD	SKP		SCALE NTS	BD: (AS BUILT)
APPD	SKP			DATE : 11-OCT-2018

DRG. NO.: 13/AL/DG/0121 C

13-AL-DG0121C R1 LEGEND.dwg

Signature Not Verified
Digitally signed by ASHISH BARSENA
Date: 2023.01.05 01:11:08 IST
Reason: IRIMS-CRIS
Location: New Delhi

LIST OF CURVES ON NIYOL CONNECTING LINE FOR PACKAGE NO CTP - 13 : PANOLI (IR) TO NEW SANJALI (DFC) SECTION

CH: 57+300 TO CH: 65+700

Curve No.	Hand of Curve	Chainage						Def. Angle				Radius R		Tangent Length	Curve Length	G	Ve	Vs	Actual Cant		Cant for Max. Speed	Cant Deficiency	Cant Excess	Vm	Transition length TCL (m)				Actual Circular Curve Length	Total Curve Length	Shift	Cant Gradient Cg	Remark
		IP	TS (BTC)	SC (BCC)	Centre	CS (BTC)	ST (ETC)	o	'	"	o	(m)	(Degree)	TL (m)	(m)	(mm)	(Km/h)	(Km/h)	Ce (mm)	Ca (mm)	Cs (mm)	Cd (mm)	Ce (mm)	(Km/h)	1	2	3	Actual	CL (m)	(m)	(m)	1 In	
			(1)-(7)/2	(1)-(6)/2	(1)	(1)+(6)/2	(1)+(7)/2				Δ				(2)					(3)	(4)	(4)-(3)	(3)-(4)					(5)	(6)=(2)-(5)	(7)=(2)+(5)	S		
13-1	Left	59666.819	59610.740	59645.740	59666.816	59687.892	59722.892	1	46.000	5.680	2	2500	0.700	56.079	77.152	1750	85	100	40	40	55.118	15		100	32	12	29	35	42.152	112.152	0.020	875	
13-2	Right	59833.774	59777.892	59812.892	59833.771	59854.650	59889.650	1	45.000	33.158	2	2500	0.700	55.882	76.758	1750	85	100	40	40	55.118	15		100	32	12	29	35	41.758	111.758	0.020	875	
13-3	Left	62097.335	62060.096	62075.096	62097.335	62119.573	62134.573	0	29.000	12.591	0	7000	0.250	37.239	59.478	1750	85	100	14	15	19.685	5		100	12	4	11	15	44.478	74.477	0.001	1000	
13-4	Left	63040.198	62667.343	62762.343	63026.182	63290.021	63385.021	40	47.000	35.596	41	875	2.000	372.855	622.678	1750	85	100	114	115	157.480	42		100	92	34	83	95	527.678	717.678	0.430	826	
13-5	Left	63715.038	63638.110	63678.110	63715.022	63751.934	63791.934	3	15.000	39.441	3	2000	0.875	76.928	113.825	1750	85	100	50	50	68.898	19		100	40	15	36	40	73.825	153.824	0.033	800	
13-6	Right	65491.242	65462.317	65472.317	65491.243	65510.168	65520.168	0	13.000	42.496	0	12000	0.146	28.925	47.851	1750	85	100	8	10	11.483	1		100	8	1	7	10	37.851	57.851	0.000	1000	
13-7	Left	65604.093	65575.168	65585.168	65604.093	65623.018	65633.018	0	13.000	42.496	0	12000	0.146	28.925	47.851	1750	85	100	8	10	11.483	1		100	8	1	7	10	37.851	57.850	0.000	1000	

PMC-2R OCG-OCI-NK-NKI-RITES
Submittal No: Date:
Un Ref. No:
Engineer's Response
NONO
Checked P.P
Reviewed
Authorised Signatory
Date 19-12-19

(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative Date

APPROVED DY. PM/ENGG. DY. CPM/ENGG. CGM/ VADODARA 31.12.19

NOTES:

NO.	DATE	REVISION	DRWN	DESIGNED	CHECKED	APPROVED
F	23-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
E	02-MAY-19	REVISED AS PER PMC COMMENTS L NO. UDCG/DFC/CONT/CTP-13/TN/00377 (DATED 18-MAR-2019)	ACT	SRG	SKP	SKP
D	14-MAR-19	REVISED AS PER PMC COMMENTS L NO. UDCG/DFC/CONT/CTP-13/TN/00288 (DATED 07-MAR-2019)	ACT	SRG	SKP	SKP
C	19-FEB-19	REVISED AS PER PMC COMMENTS L NO. UDCG/DFC/CONT/CTP-13/TN/01/0035 (DATED 29-JAN-2019)	ACT	SRG	SKP	SKP
B	11-DEC-18	REVISED AS PER PMC COMMENTS L NO. UDCG/DFC/CONT/CTP-13/TN/11/0036 (DATED 15-NOV-2018)	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
CONTRACT PACKAGE - 13
PANOLI TO NEW SANJALI

ORGANIZATION SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM

DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
LIST OF HORIZONTAL CURVES FROM 57+300 TO 65+700 PARALLEL AND DETOUR SECTION

JOB NO: 6309
SIZE A1
STATUS: ID: (INCEPTION); TD: (TECHNICAL); CD: (CONSTRUCTION); BD: (AS BUILT)

	NAME	SIGN
DRWN	ACT	
DSGN	SRG	
CHKD	SKP	
APPD	SKP	

PROJECTION
SCALE 1:1000 V 1:100
DATE : 19-OCT-2018
DRG. NO. 13/AL/DG/0122 F

13-AL-0001237.dwg

LIST OF GRADIENT FOR PACKAGE NO. CTP - 13 : PANOLI (IR) TO NEW SANJALI (DFC)SECTION

KM 57+300 TO KM 65+700

Sr. No	Location of Vertical Curve Chainage	Formation Level (m)	Gradient (%)	Gradient (1 In ---)	Difference of Gradient A (%)	Vertical Curve R (m)	Tangent Length (m)	Length of Vertical Curve L (m)	Shift (m) =A X L/8	Remarks
1	57300	26.975								
2	57650	26.770	-0.059%	F 1 In 1694.915	0.059%					
3	57897	26.770	0.000%	LEVEL	0.165%					
4	59666	23.845	-0.165%	F 1 In 606.061	0.346%					
5	59970	24.395	0.181%	R 1 In 552.486	0.181%					
6	61390	24.395	0.000%	LEVEL	0.400%	6260	12.505	25.010	0.0125	
7	62480	28.750	0.400%	R 1 In 250	0.400%	6260	12.505	25.010	0.0125	
8	63080	28.750	0.000%	LEVEL	0.278%					
9	63820.015	30.808	0.278%	R 1 In 359.712	0.761%	4000	15.560	31.120	0.0296	BACK CH.63+844.618 AHEAD CH. 63+900.000
10	65450	22.935	-0.500%	F 1 In 200	0.038%					
11	65600	22.242	-0.462%	F 1 In 216.45	0.380%	6700	12.725	25.450	0.0120	
12	65700.027	22.160	-0.082%	F 1 In 1219.512						

PMC-2R OCG-OCI-NK-NKI-RITES
Submission Ref. No. Date
Engineer's Response
NONO
Checked P.P
Reviewed
Authorised Signatory
Date 19.12.19

(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCOIL - CTP-13
Contractor's Representative Date

BPMOR. DY. PM(ENGG.)	DY. CE(ENGG.)	CGM/ VADODARA

NOTES:

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
F	23-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
E	03-MAY-19	REVISED AS PER PMC COMMENTS L NO. LOCGCI/DFC/CON/TCTP-15/1/00422/17 (DATED 16-MAR-2018) AND LOCGCI/DFC/CON/TCTP-15/1/00022/42 (DATED 29-MAR-2019)	ACT	SRG	SKP	SKP
D	14-MAR-19	REVISED AS PER PMC COMMENTS L NO. LOCGCI/DFC/CON/TCTP-15/1/00021/1699 (DATED 07-MAR-2019)	ACT	SRG	SKP	SKP
C	18-FEB-19	REVISED AS PER PMC COMMENTS L NO. LOCGCI/DFC/CON/TCTP-15/1/01/00339 (DATED 28-JAN-2019)	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
CONTRACT PACKAGE - 13
PANOLI TO NEW SANJALI

ORGANIZATION SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
APITHAI & CO. LTD. TATA

DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
LIST OF GRADIENT
FROM 57+300 TO 65+700
PARALLEL AND DETOUR SECTION

JOB NO: 8309

	NAME	SIGN
DRWN	ACT	
DSGN	SRG	
CHKD	SKP	
APPD	SKP	

SIZE A1
PROJECTION
SCALE 1:1000 V 1:100

STATUS
ID: (INCEPTION)
TD: (TECHNICAL)
✓ CD: (CONSTRUCTION)
BD: (AS BUILT)

DATE : 19-OCT-2018

DRG. NO. 13/AL/DG/0123 F

BRIDGE LIST FOR CTP-13 : PANOLI TO NEW SANJALI

FOR PPD FROM CH 57+300 TO 65+700

ANNEXURE-1

Sr. No.	CPM	Sec. No.	CHAINAGE	BridgeNo.		Proposed Clear Span for Bridges (Center to Center Span for ROB)	Nos. of Tracks proposed for DFC Connecting Line	STRUCTURE CONFIGURATION	Type of Structure	Type of Crossing	Proposed Chainage	Proposed Chainage of Connecting Line	Proposed Clear Span for Bridges (Center to Center Span for ROB)	Proposed Structure Configuration	Type of Structure	Formation Level	Invert Level / Bed Level/ Finished RTL (M)	H F L /F S L	Sofft Level of Major/ Minor Bridges	Top of Structure @ DN Main Centreline	Sofft Level of ROB/FOB	Vertical Clearance at ROB @ DN Main CL	DFC Formation Level	Proposed Formation Level of Connecting line	Free Board/ Vertical Clearance
			IR	IR	DFC	Existing IR		Existing IR								I R									
1	Vadodara	4	307/24-26	488	31	1 x 3.05m	1	RCC Slab	Minor Bridge	Waterway	58294.311	58294.449	1 x 3.0m x 2.5m	RCC Box	Minor Bridge		22.960	25.060	25.445	25.745			27.483	26.113	0.922
2	Vadodara	4		LC-166	12				ROB		58896.153	58895.004	1 x 69.556m	PSC-I GIRDER	ROB	24.261					34.286	8.387	25.127	25.128	
3	Vadodara	4	309/10-12	489	32	2 x 3.05m	1	RCC Box	Minor Bridge	Waterway	59907.306	59907.332	1 x 6.1m x 3.0m	RCC Box	Minor Bridge		20.334	22.900	23.335	23.935			24.320	24.282	1.251
4	Vadodara	4	309/26-28	490	33	1 x 3.58m	1	RCC Box	Minor Bridge	Waterway	60411.949	60440.058	1 x 4.0m x 3.0m	RCC Box	Minor Bridge		20.116	22.116	23.265	23.515			24.395	24.395	2.284
2	Vadodara	4		LC-168	13				ROB		60732.995	60704.993	1 x 72.31m	THROUGH GIRDER	ROB	22.730					33.670	8.504	24.395	24.395	
5	Vadodara	4	311/8-10	491	34	1 x 2.97m	1	RCC Box	Minor Bridge	Waterway	61796.328	61797.227	1 x 3.0m x 3.0m	RCC Box	Minor Bridge		21.463	22.433	24.630	24.815			28.834	26.022	1.889
6	Vadodara	4	311/12-14	492	35	1 x 3.05m	1	RCC Box	Minor Bridge	Waterway	61906.457	61934.154	1 x 3.1m x 2.0m	RCC Box	Minor Bridge		20.845	22.164	23.045	23.245			29.519	26.569	1.897
7	Vadodara	4	311/28-30	492A	36	2 x 3.66m	1	RCC Box	Minor Bridge	Canal	62471.538	62497.426	2 x 6.0m x 7.0m+1 x 4.0 x 7	RCC Box	Minor Bridge		20.830	23.268	27.830	28.530			31.935	28.750	
8	Vadodara	4	-		GGL -GAS Pipeline	Would be protected by providing casing	1	Casing	Gas Pipe Line	Gas Pipe Line	62610.998	62611.004	Would be protected by providing casing	Casing	Gas Pipe Line		0.000						28.150	28.750	
9	Vadodara	4			GSPL -GAS Pipeline	Would be protected by providing casing	1	Casing	Gas Pipe Line	Gas Pipe Line	62700.000	62708.280	Would be protected by providing casing	Casing	Gas Pipe Line		0.000						32.844	28.750	
10	Vadodara	4		427	38		1		Minor Bridge	Gas Pipe Line	63121.368	63144.344	3.0m x 3.0m	RCC Box	Minor Bridge		22.290	23.243	25.245	25.745			33.744	28.929	
11	Vadodara	4			39		1+2*		RUB-Major	Road Metalled	63974.433	63977.069	1 x 30.0m x 4.6m	PSC Girder	RUB-Major		22.450		27.130	30.130			30.283	30.300	
12	Vadodara	4			40		1+2*		Minor RUB & Minor Bridge	Canal & Cart track	64317.520	64317.535	1 x 3.0 x 2.50 m +1 x 4.0 x 3.70 m	RCC Box	Minor RUB & Minor Bridge		20.720	20.900	3.800	24.820			28.567	28.597	
13	Vadodara	4			41		1+2*		RUB-Minor	Cart track	65214.992	65217.105	1 x 4.0m x 4.20m	RCC Box	RUB-Minor		18.324		22.525	22.975			24.080	24.099	

NOTES:
1. * - 2 for Main line & 1 for Connecting line

PMC-2R OCG-OCI-NK-NKI-RITES
Engineer's Response
NONO
Name | Signature
Checked P.P
Date 19.12.19

(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative | Date

APMOR DY.CPM/ENGG	DY.CPM/ENGG	CGM/ VADODARA	31.12.19

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
F	23-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
E	23-MAY-19	REVISED AS PER PMC COMMENTS L NO. LOCCC/DFC/CO/ACT/R-2019/00237 (DATED 23-MAY-2019) AND LOCCC/DFC/CO/ACT/R-2019/00235/A2 (DATED 23-MAY-2019)	ACT	SRG	SKP	SKP
D	14-MAR-19	REVISED AS PER PMC COMMENTS L NO. LOCCC/DFC/CO/ACT/R-2019/00188 (DATED 07-MAR-2019)	ACT	SRG	SKP	SKP
C	18-FEB-19	REVISED AS PER PMC COMMENTS L NO. LOCCC/DFC/CO/ACT/R-2019/00208 (DATED 28-JAN-2019)	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
CONTRACT PACKAGE - 13
PANOLI TO NEW SANJALI

ORGANIZATION | SEAL & SIGN

EMPLOYER
DESIGNATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

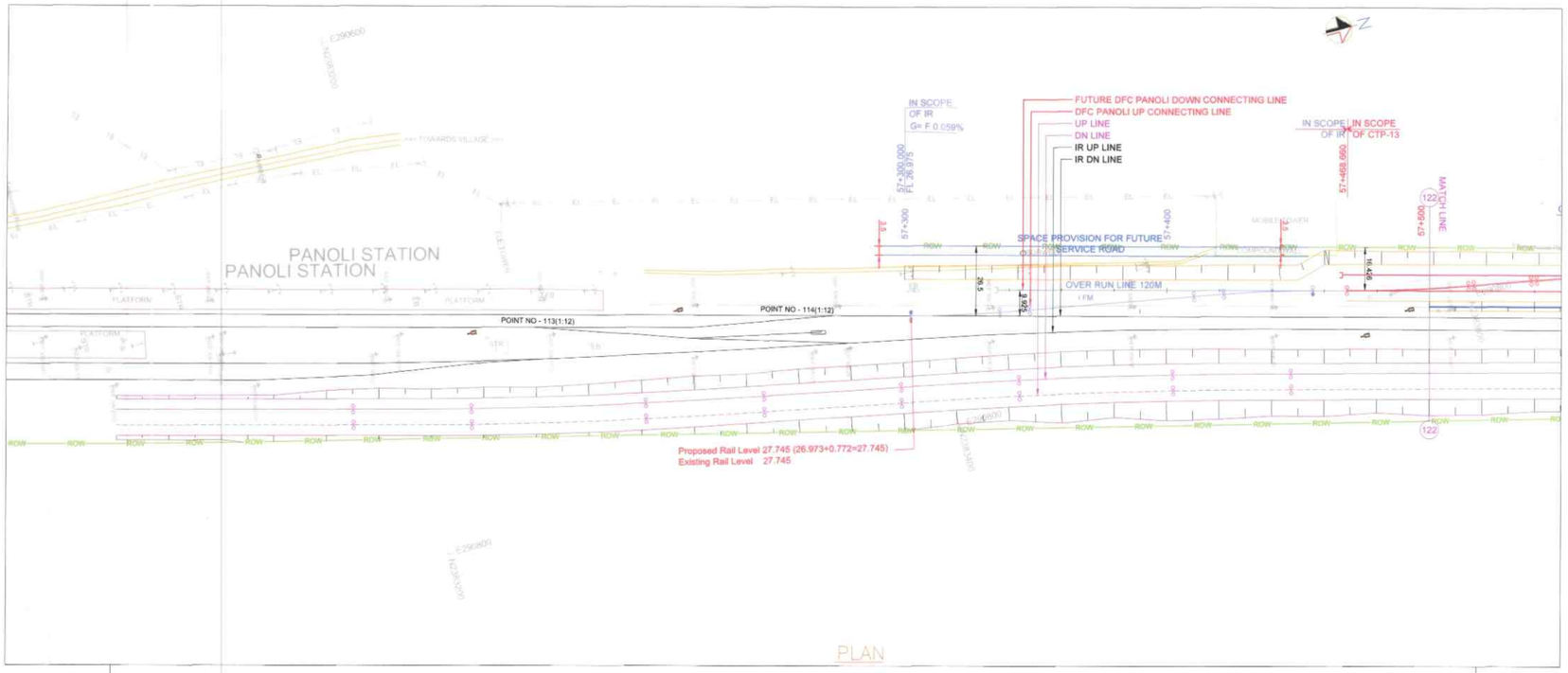
CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD. | IRCON | TATA

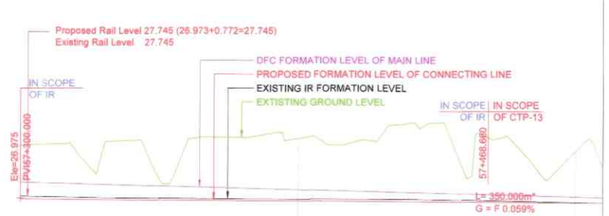
DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
BRIDGE LIST FOR PANOLI TO NEW SANJALI
FROM 57+300 TO 65+700
PARALLEL AND DETOUR SECTION

JOB NO: 8309			SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT			TD: (TECHNICAL)
DSGN	SRG			CD: (CONSTRUCTION) ✓
CHKD	SKP		SCALE	BD: (AS BUILT)
APPD	SKP		H 1:1000 V 1:100	DATE : 19-OCT-2018

DRG. NO. 13/AL/DG/0124 F





DATUM = 19 m.												
VERTICAL ALIGNMENT	L =350.000 m* G = F 0.059%											
HORIZONTAL ALIGNMENT	Straight =2310.74m *											
DIST. BETWEEN EX. IR. TRACK & PROP. DFCC TRACK AS PER DESIGN	9.906	9.887	9.901	9.962	10.020	10.035	10.030	10.027	10.041	10.056	10.073
FILL HEIGHT (+) / CUT DEPTH (-)	-1.828	-1.724	-2.128	-2.094	-2.264	-2.236	-2.127	-2.804	-1.973	-1.906	-1.841
PROPOSED FORMATION LEVEL OF CONNECTING LINE	26.975	26.963	26.952	26.940	26.928	26.916	26.905	26.893	26.881	26.870	26.858
EXISTING IR FORMATION LEVEL	27.079	27.046	27.024	27.010	26.995	26.989	26.987	26.983	26.949	26.910	26.869
DFC FORMATION LEVEL OF MAIN LINE	27.579	27.528	27.477	27.426	27.374	27.323	27.272	27.221	27.170	27.119	27.067
GROUND LEVEL	26.901	26.887	29.080	29.034	29.192	29.152	29.032	29.697	27.954	28.776	28.998
CHAINAGE	57+300	57+320	57+340	57+360	57+380	57+400	57+420	57+440	57+460	57+480	57+500

SECTIONAL ELEVATION DN LINE

DETAILS OF DIVERSION ROAD	
CHAINAGE	SERVICE ROAD WIDTH
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** SINGLE LANE BITUMINOUS ROAD WITH SHOULDERS AS PER IRC STANDARDS	

DETAILS OF CANAL/ NALA DIVERSION	
CHAINAGE	
FROM	TO
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF SAFETY WALL	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF EARTH RETAINING STRUCTURE / REINFORCED SLOPES	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** LENGTH OF RETAINING WALL MAY VARY ACCORDING TO THE TYPE OF DRAIN	

DIVERSION OF OTHER UTILITIES	
CHAINAGE	PARTICULARS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

PMC-2R OCG-OCI-NK-NKI-RITES
Submittal Ref: Date:
Ch. Ref. No.:
Engineer's Response
NONO
Checked P.P
Reviewed
Authorised Signatory
19-12-19
(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

AE OR DY. ENGINEER — DY. CE/ NI ENGG. — CGM/ VADODARA

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative Date:

NOTES:

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. TRACK CENTER BETWEEN DFC AND EXISTING IR TRACK HAS BEEN KEPT AT MINIMUM 9.925M.
3. TRACK CENTER BETWEEN MAIN LINE OF DFC HAS BEEN KEPT AS MINIMUM 6M.
4. PUBLIC UTILITIES, HT/LT LINES, OFC CABLES, WATER/SEWER LINES etc. INTERFERING DFC TRACKS SHALL BE RELOCATED.
5. CHANNEL DIVERSION, PROTECTIONS WORKS AND BRIDGE WORKS ARE INDICATED IN THE GADS OF THE CORRESPONDING BRIDGES.
6. FIRM LINE IS DFC UP PANOLI CONNECTING LINE WHICH HAS BEEN DESIGNED. DOTTED LINE IS FUTURE DFC DOWN PANOLI CONNECTING LINE.
7. CURVE INFORMATION IS SHOWN FOR DFC UP PANOLI CONNECTING LINE ONLY. THESE ARE TO BE READ AND NOT BE MEASURED.
8. FOR DRAINAGE DETAILS SEPARATE DRAWING WILL BE ISSUED.
9. THE STRUCTURE SIZE INDICATED IN PLAN & PROFILE DRAWINGS ARE PRELIMINARY AND FOR INDICATIVE PURPOSE ONLY. FOR THE ACTUAL SIZE OF STRUCTURE REFER RESPECTIVE G.A.DRAWING.
10. * SHOWS THE TOTAL LENGTH OF THE DESIGNED ELEMENT
11. FOR CNS DETAILS PLEASE REFER SEPARATE DRAWING / DOCUMENTS.
12. ALL THE LEVEL ARE WITH RESPECT TO MEAN SEA LEVEL.
13. LOCATION AND SPAN ARRANGEMENT OF BRIDGES / DFC YARD LAYOUT AND NOS. OF TRACKS IN YARD PLAN SHALL BE VERIFIED AS PER FINAL APPROVED DRAWINGS. ANY MODIFICATION OF ALIGNMENT DUE TO ABOVE ITEMS HAS TO BE CARRIED OUT BY THE CONTRACTOR ON HIS OWN COST.
14. FORMATION WIDTH IS INCREASED TO 13.860 METER FROM 13.500 METER AS PER ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
15. ROAD BRIDGE DETAILS REFER RESPECTIVE DRAWING (TO BE ISSUED)
16. ALIGNMENT CONSTRUCTION DRAWINGS ARE BASED ON ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"

REFERENCE DRAWINGS: (LATEST REVISION)

13/AL/DG-1531 .... LEGEND AND ABBREVIATION FOR PLAN AND PROFILE DRAWINGS.

13/AL/DG-1532 .... KEY PLAN FOR PACKAGE-13 SACHIN TO VADODARA

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
F	29-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
E	23-MAY-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25077 (DATED -18-MAR-2019) AND L/OCGC/DFCC/CMT/CTP-13/1906/25042 (DATED 28-MAR-2019)	ACT	SRG	SKP	SKP
D	14-MAR-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1903/21680 (DATED 07-MAR-2019)	ACT	SRG	SKP	SKP
C	18-FEB-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1901/20236 (DATED 29-JAN-2019)	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION — SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD. TATA

DESIGNER
STUP Consultants Pvt. Ltd.

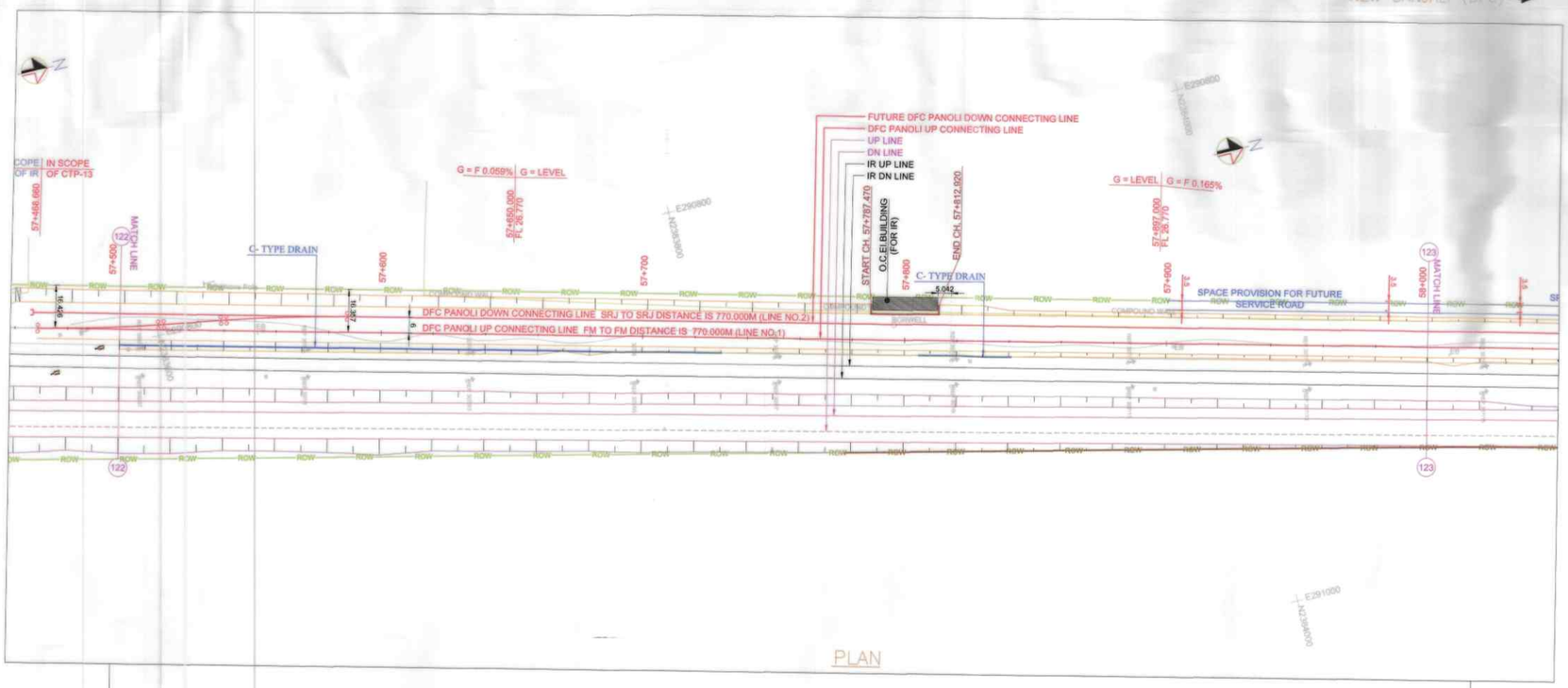
TITLE
ALIGNMENT DRAWING PLAN AND PROFILE FOR PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC) FROM 57+300 TO 57+500

JOB NO: 5309
SIZE: A1
PROJECTION
SCALE: H 1:1000 V 1:100
STATUS: IO: (INCEPTION) TD: (TECHNICAL) CD: (CONSTRUCTION) BD: (AS BUILT)
DATE : 19-OCT-2018

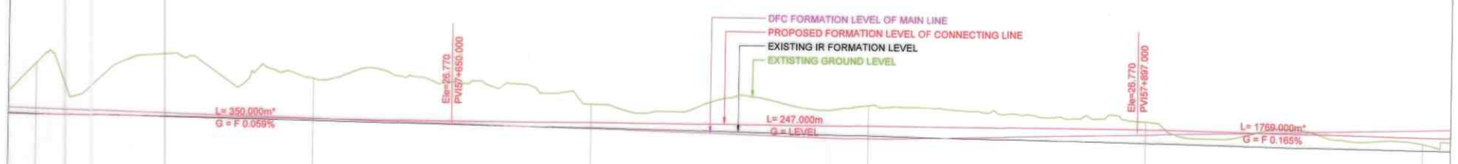
	NAME	SIGN
DRWN.	ACT	
DSGN.	SRG	
CHKD.	SKP	
APRD.	SKP	

DRG. NO: 13/AL/DG/0061 F

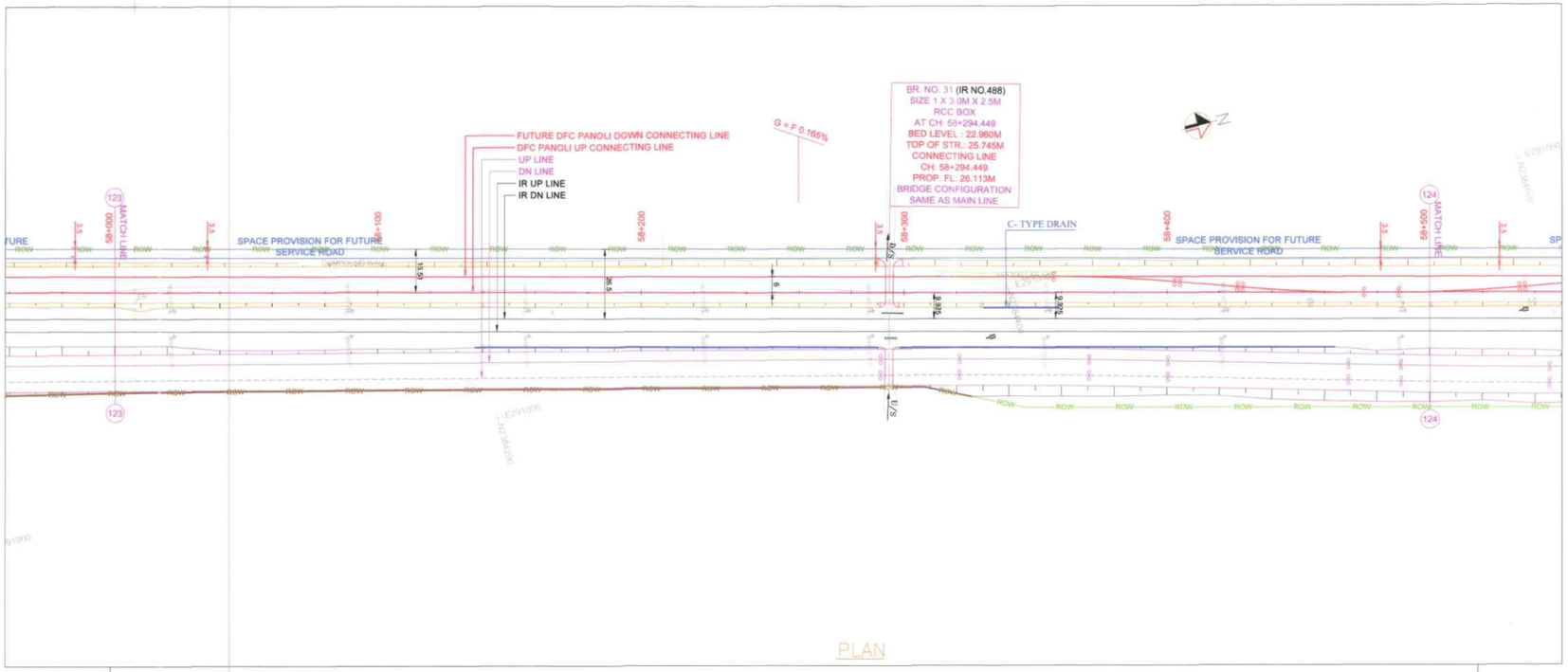
13-AL-0000FF.dwg



PLAN



| DATUM = 18 m. | | |



DATUM = 18 m.	
VERTICAL ALIGNMENT	L =1769.000 m* G = F 0.165%
HORIZONTAL ALIGNMENT	Straight =2310.74m *

CHAINAGE	DIST. BETWEEN EX. IR. TRACK & PROP. DFCC TRACK AS PER DESIGN	FILL HEIGHT (+) / CUT DEPTH (-)	PROPOSED FORMATION LEVEL OF CONNECTING LINE	EXISTING IR FORMATION LEVEL	DFC FORMATION LEVEL OF MAIN LINE	GROUND LEVEL
58+000	10.011	+0.235	26.600	26.136	26.859	26.365
58+020	10.017	+0.512	26.567	26.114	26.915	26.055
58+040	10.033	+0.522	26.534	26.086	26.971	26.012
58+060	10.046	+0.455	26.500	26.058	27.027	26.045
58+080	10.059	+0.539	26.467	26.030	27.083	25.928
58+100	10.049	+0.708	26.434	26.003	27.139	25.726
58+120	10.022	+0.814	26.401	25.978	27.195	25.587
58+140	9.996	+0.906	26.368	25.951	27.250	25.482
58+160	9.981	+1.072	26.335	25.926	27.306	25.263
58+180	9.991	+1.465	26.302	25.905	27.362	24.837
58+200	9.999	+1.377	26.269	25.887	27.418	24.892
58+220	10.008	+1.463	26.236	25.869	27.474	24.773
58+240	9.998	+1.427	26.203	25.851	27.530	24.776
58+260	9.986	+1.301	26.170	25.832	27.577	24.869
58+280	9.973	+0.789	26.137	25.812	27.540	25.348
58+300	9.962	+1.080	26.104	25.753	27.461	25.024
58+320	9.951	+1.076	26.071	25.680	27.381	24.995
58+340	9.941	+1.260	26.038	25.606	27.301	24.778
58+360	9.951	+1.546	26.004	25.539	27.222	24.458
58+380	9.992	+1.250	25.971	25.483	27.142	24.721
58+400	10.033	+1.384	25.938	25.428	27.062	24.504
58+420	10.076	+0.708	25.905	25.373	26.983	25.197
58+440	10.047	+0.202	25.872	25.334	26.903	25.670
58+460	10.018	+1.513	25.839	25.297	26.823	24.326
58+480	9.989	+1.455	25.806	25.259	26.744	24.351
58+500	9.976	+1.424	25.773	25.213	26.664	24.349

SECTIONAL ELEVATION DN LINE

DETAILS OF DIVERSION ROAD	
CHAINAGE	SERVICE ROAD WIDTH
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** SINGLE LANE BITUMINOUS ROAD WITH SHOULDERS AS PER IRC STANDARDS	

DETAILS OF CANAL/ NALA DIVERSION	
CHAINAGE	
FROM	TO
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF SAFETY WALL	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF EARTH RETAINING STRUCTURE / REINFORCED SLOPES	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** LENGTH OF RETAINING WALL MAY VARY ACCORDING TO THE TYPE OF DRAIN	

DIVERSION OF OTHER UTILITIES	
CHAINAGE	PARTICULARS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

PMC-2R OCG-OCI-NK-NKI-RITES
Engineer's Response
NOMO
Name Signature
Checked P.P
Approved
Authorised Signatory
Date 19-12-19

(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

30-12-19	30/12/19	31-12-19
AGM DR DY. PMEWGG.	DY. CPMEWGG.	CGM / VADODARA

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative Date

NOTES:

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. TRACK CENTER BETWEEN DFC AND EXISTING IR TRACK HAS BEEN KEPT AT MINIMUM 9.925M.
3. TRACK CENTER BETWEEN MAIN LINE OF DFC HAS BEEN KEPT AS MINIMUM 6M.
4. PUBLIC UTILITIES, HT/LT LINES, OFC CABLES, WATER/SEWER LINES etc. INTERFERING DFC TRACKS SHALL BE RELOCATED.
5. CHANNEL DIVERSION, PROTECTIONS WORKS AND BRIDGE WORKS ARE INDICATED IN THE GADS OF THE CORRESPONDING BRIDGES.
6. FIRM LINE IS DFC UP PANOLI CONNECTING LINE WHICH HAS BEEN DESIGNED. DOTTED LINE IS FUTURE DFC DOWN PANOLI CONNECTING LINE.
7. CURVE INFORMATION IS SHOWN FOR DFC UP PANOLI CONNECTING LINE ONLY. THESE ARE TO BE READ AND NOT BE MEASURED.
8. FOR DRAINAGE DETAILS SEPARATE DRAWING WILL BE ISSUED.
9. THE STRUCTURE SIZE INDICATED IN PLAN & PROFILE DRAWINGS ARE PRELIMINARY AND FOR INDICATIVE PURPOSE ONLY. FOR THE ACTUAL SIZE OF STRUCTURE REFER RESPECTIVE G.A.DRAWING.
10. * SHOWS THE TOTAL LENGTH OF THE DESIGNED ELEMENT
11. FOR CNS DETAILS PLEASE REFER SEPARATE DRAWING / DOCUMENTS.
12. ALL THE LEVEL ARE WITH RESPECT TO MEAN SEA LEVEL.
13. LOCATION AND SPAN ARRANGEMENT OF BRIDGES / DFC YARD LAYOUT AND NOS. OF TRACKS IN YARD PLAN SHALL BE VERIFIED AS PER FINAL APPROVED DRAWINGS. ANY MODIFICATION OF ALIGNMENT DUE TO ABOVE ITEMS HAS TO BE CARRIED OUT BY THE CONTRACTOR ON HIS OWN COST.
14. FORMATION WIDTH IS INCREASED TO 13.860 METER FROM 13.500 METER AS PER ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
15. ROAD BRIDGE DETAILS REFER RESPECTIVE DRAWING (TO BE ISSUED)
16. ALIGNMENT CONSTRUCTION DRAWINGS ARE BASED ON ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"

REFERENCE DRAWINGS: (LATEST REVISION)

13/AL/DG-1531 .... LEGEND AND ABBREVIATION FOR PLAN AND PROFILE DRAWINGS.
13/AL/DG-1532 .... KEY PLAN FOR PACKAGE-13 SACHIN TO VADODARA

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
F	26-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
E	03-MAY-19	REVISED AS PER PMC COMMENTS L NO L/OCGC/DFCC/CMT/CTP-13/1904/2177 (DATED 16-MAR-2019) AND L/OCGC/DFCC/CMT/CTP-13/1903/2242 (DATED 29-MAR-2019)	ACT	SRG	SKP	SKP
D	14-MAR-19	REVISED AS PER PMC COMMENTS L NO L/OCGC/DFCC/CMT/CTP-13/1903/1898 (DATED 07-MAR-2019)	ACT	SRG	SKP	SKP
C	19-FEB-19	REVISED AS PER PMC COMMENTS L NO L/OCGC/DFCC/CMT/CTP-13/1903/2039 (DATED 25-JAN-2019)	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

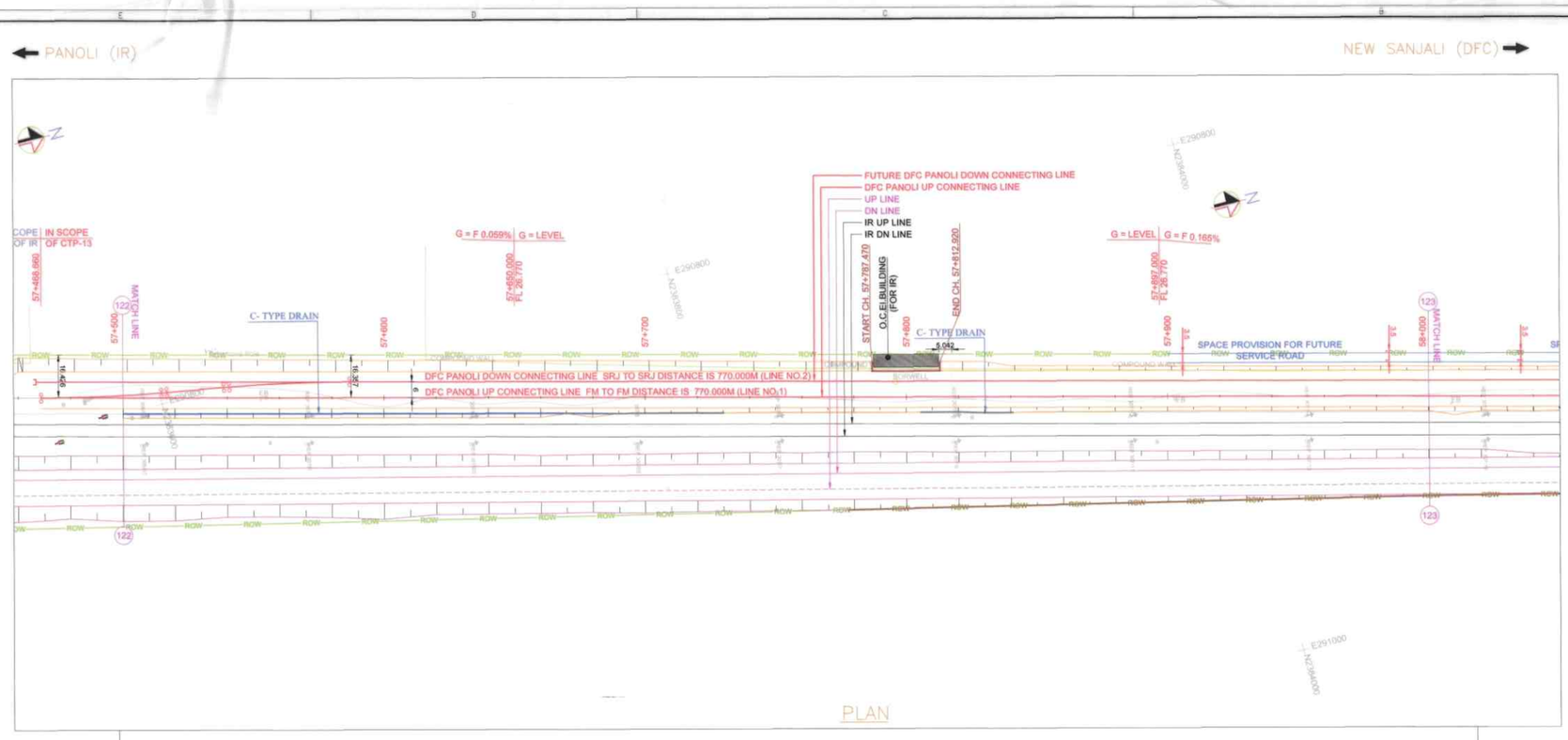
CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
ARTEMIS LTD. TATA

DESIGNER
STUP Consultants Pvt. Ltd.

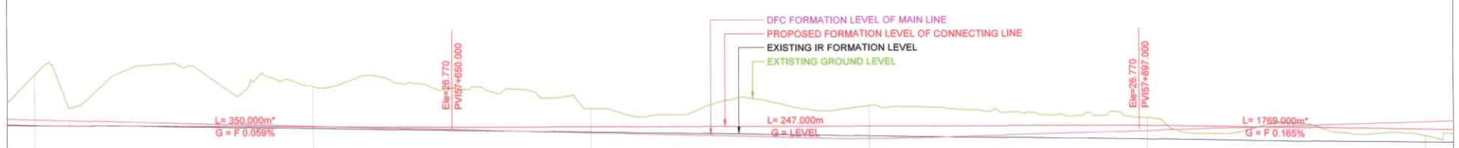
TITLE
ALIGNMENT DRAWING PLAN AND PROFILE FOR PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC) FROM 58+000 TO 58+500

JOB NO: 8309			SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT			TD: (TECHNICAL)
DSGN	SRG			CD: (CONSTRUCTION)
CHKD	SKP		SCALE	BD: (AS BUILT)
APPD	SKP		H 1:1000 X 1:100	DATE : 19-OCT-2018

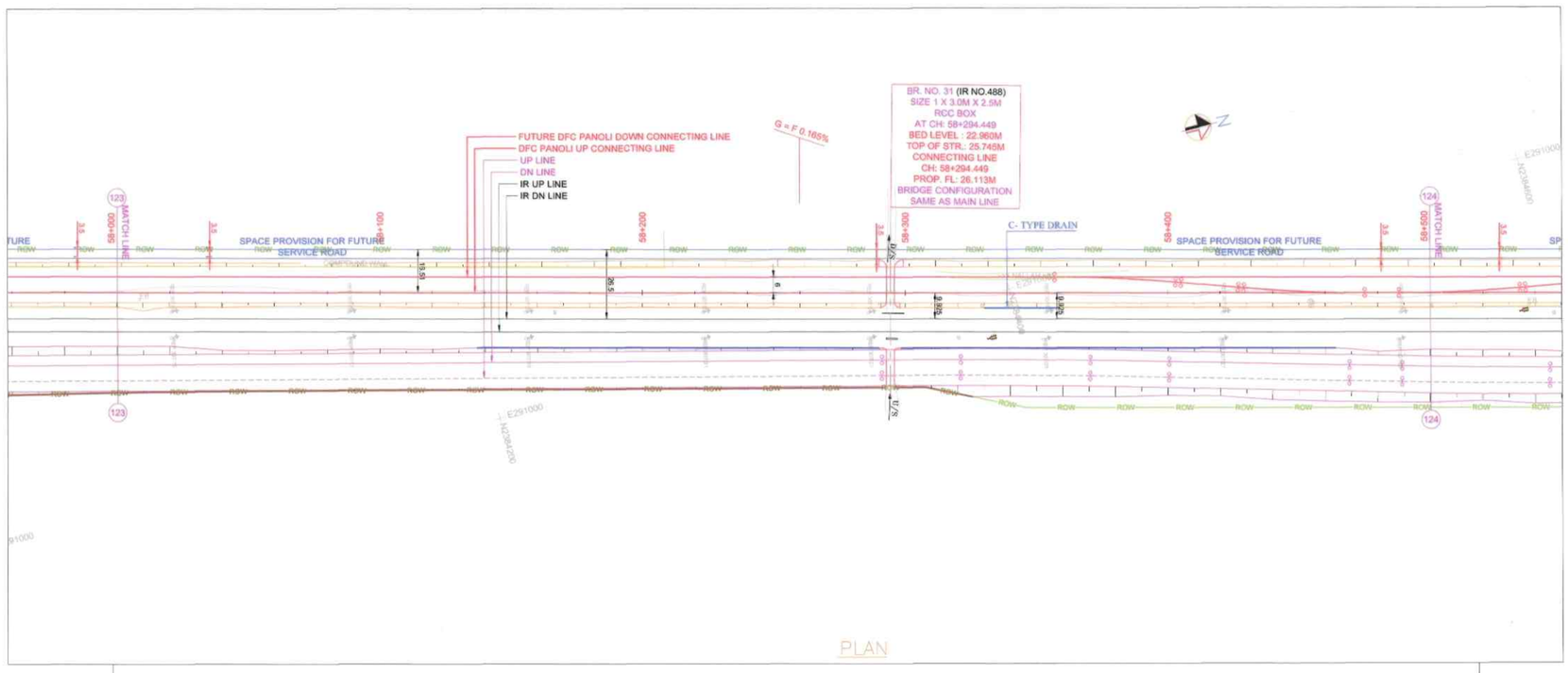
DRG. NO. 13/AL/DG/0063 F

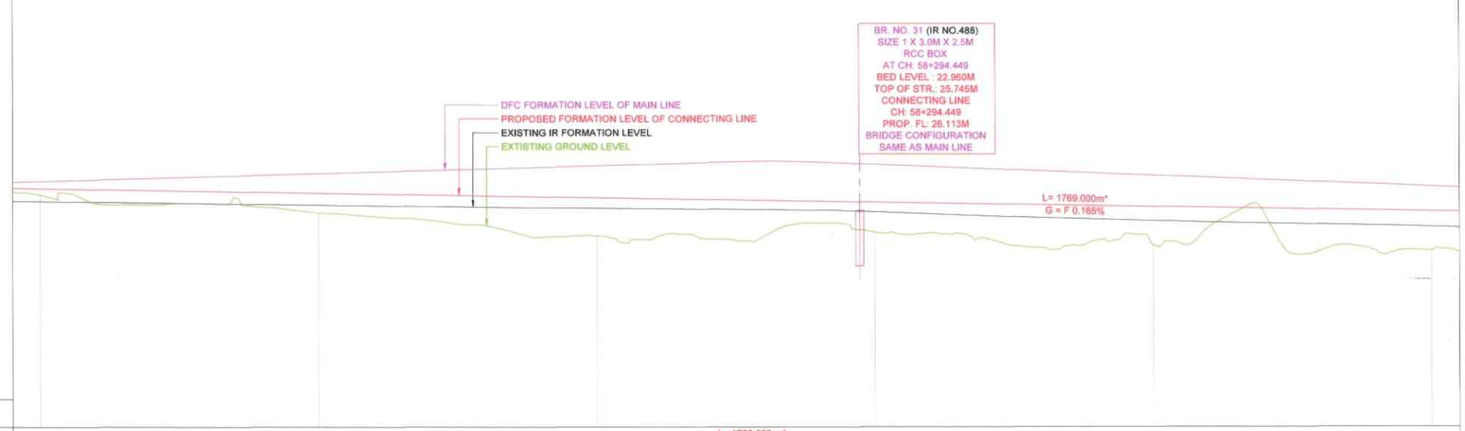

PANOLI (IR)
NEW SANJALI (DFC)
FUTURE DFC PANOLI DOWN CONNECTING LINE
DFC PANOLI UP CONNECTING LINE
UP LINE
DN LINE
IR UP LINE
IR DN LINE
G = F 0.059%
G = LEVEL
G = LEVEL
G = F 0.165%
C- TYPE DRAIN
C- TYPE DRAIN
O.C.E. BUILDING (FOR IR)
START CH. 57+787.470
END CH. 57+812.920
SPACE PROVISION FOR FUTURE SERVICE ROAD
DFC PANOLI DOWN CONNECTING LINE SRJ TO SRJ DISTANCE IS 770.000M (LINE NO.2)
DFC PANOLI UP CONNECTING LINE FM TO FM DISTANCE IS 770.000M (LINE NO.1)
MATCH LINE

PLAN


DFC FORMATION LEVEL OF MAIN LINE
PROPOSED FORMATION LEVEL OF CONNECTING LINE
EXISTING IR FORMATION LEVEL
EXISTING GROUND LEVEL
L= 350.000m*
G = F 0.059%
Elev=26.770
PVI57+650.000
L= 247.000m
G = LEVEL
Elev=26.770
PVI57+897.000
L= 1769.000m*
G = F 0.165%

| | | |





DATUM = 18 m.

VERTICAL ALIGNMENT: L =1769.000 m* G = F 0.165%

HORIZONTAL ALIGNMENT: Straight =2310.74m *

CHAINAGE	DIST. BETWEEN EX. IR. TRACK & PROP. DFCC TRACK AS PER DESIGN	FILL HEIGHT (+) / CUT DEPTH (-)	PROPOSED FORMATION LEVEL OF CONNECTING LINE	EXISTING IR FORMATION LEVEL	DFC FORMATION LEVEL OF MAIN LINE	GROUND LEVEL
58+000	10.011	+0.235	26.600	26.136	26.859	26.365
58+020	10.017	+0.512	26.567	26.114	26.915	26.055
58+040	10.033	+0.522	26.534	26.086	26.971	26.012
58+060	10.046	+0.455	26.500	26.058	27.027	26.045
58+080	10.059	+0.539	26.467	26.030	27.083	25.928
58+100	10.049	+0.708	26.434	26.003	27.139	25.726
58+120	10.022	+0.814	26.401	25.978	27.195	25.587
58+140	9.996	+0.906	26.368	25.951	27.250	25.452
58+160	9.981	+1.072	26.335	25.926	27.306	25.263
58+180	9.991	+1.465	26.302	25.905	27.362	24.837
58+200	9.999	+1.377	26.269	25.887	27.418	24.882
58+220	10.008	+1.463	26.236	25.869	27.474	24.773
58+240	9.998	+1.427	26.203	25.851	27.530	24.776
58+260	9.986	+1.301	26.170	25.832	27.577	24.669
58+280	9.973	+0.789	26.137	25.812	27.540	25.348
58+300	9.962	+1.080	26.104	25.753	27.451	25.024
58+320	9.951	+1.076	26.071	25.680	27.361	24.995
58+340	9.941	+1.260	26.038	25.606	27.301	24.778
58+360	9.951	+1.546	26.034	25.539	27.222	24.438
58+380	9.992	+1.250	25.971	25.483	27.142	24.721
58+400	10.033	+1.384	25.938	25.428	27.082	24.554
58+420	10.076	+0.708	25.905	25.373	26.983	25.197
58+440	10.047	+0.202	25.872	25.334	26.903	25.670
58+460	10.018	+1.513	25.839	25.297	26.823	24.326
58+480	9.989	+1.455	25.806	25.259	26.744	24.351
58+500	9.976	+1.424	25.773	25.213	26.664	24.349

SECTIONAL ELEVATION DN LINE

DETAILS OF DIVERSION ROAD	
CHAINAGE	SERVICE ROAD WIDTH
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** SINGLE LANE BITUMINOUS ROAD WITH SHOULDERS AS PER IRC STANDARDS	

DETAILS OF CANAL/ NALA DIVERSION	
CHAINAGE	
FROM	TO
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF SAFETY WALL	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF EARTH RETAINING STRUCTURE / REINFORCED SLOPES	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** LENGTH OF RETAINING WALL MAY VARY ACCORDING TO THE TYPE OF DRAIN	

DIVERSION OF OTHER UTILITIES	
CHAINAGE	PARTICULARS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

PMC-2R OCG-OCI-NK-NKI-RITES
Engineer's Response: NONO
Checked: P.P
Reviewed
Approved
Date: 19-12-19

(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

AGM OR Dy. PMEng.C. | Dy. CPMEng.C. | CGM / VADODARA

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative | Date

NOTES:

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. TRACK CENTER BETWEEN DFC AND EXISTING IR TRACK HAS BEEN KEPT AT MINIMUM 9.925M.
3. TRACK CENTER BETWEEN MAIN LINE OF DFC HAS BEEN KEPT AS MINIMUM 6M.
4. PUBLIC UTILITIES, HT/LT LINES, OFC CABLES, WATER/SEWER LINES etc. INTERFERING DFC TRACKS SHALL BE RELOCATED.
5. CHANNEL DIVERSION, PROTECTIONS WORKS AND BRIDGE WORKS ARE INDICATED IN THE GADS OF THE CORRESPONDING BRIDGES.
6. FIRM LINE IS DFC UP PANOLI CONNECTING LINE WHICH HAS BEEN DESIGNED. DOTTED LINE IS FUTURE DFC DOWN PANOLI CONNECTING LINE.
7. CURVE INFORMATION IS SHOWN FOR DFC UP PANOLI CONNECTING LINE ONLY. THESE ARE TO BE READ AND NOT BE MEASURED.
8. FOR DRAINAGE DETAILS SEPARATE DRAWING WILL BE ISSUED.
9. THE STRUCTURE SIZE INDICATED IN PLAN & PROFILE DRAWINGS ARE PRELIMINARY AND FOR INDICATIVE PURPOSE ONLY. FOR THE ACTUAL SIZE OF STRUCTURE REFER RESPECTIVE G.A.DRAWING.
10. * SHOWS THE TOTAL LENGTH OF THE DESIGNED ELEMENT
11. FOR CNS DETAILS PLEASE REFER SEPARATE DRAWING / DOCUMENTS.
12. ALL THE LEVEL ARE WITH RESPECT TO MEAN SEA LEVEL.
13. LOCATION AND SPAN ARRANGEMENT OF BRIDGES / DFC YARD LAYOUT AND NOS. OF TRACKS IN YARD PLAN SHALL BE VERIFIED AS PER FINAL APPROVED DRAWINGS. ANY MODIFICATION OF ALIGNMENT DUE TO ABOVE ITEMS HAS TO BE CARRIED OUT BY THE CONTRACTOR ON HIS OWN COST.
14. FORMATION WIDTH IS INCREASED TO 13.860 METER FROM 13.500 METER AS PER ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
15. ROAD BRIDGE DETAILS REFER RESPECTIVE DRAWING (TO BE ISSUED)
16. ALIGNMENT CONSTRUCTION DRAWINGS ARE BASED ON ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1908/25094 (DATED 07-JUNE-2019)"

REFERENCE DRAWINGS: (LATEST REVISION)

13/AL/DG-1531 .... LEGEND AND ABBREVIATION FOR PLAN AND PROFILE DRAWINGS.
13/AL/DG-1532 .... KEY PLAN FOR PACKAGE-13 SACHIN TO VADODARA

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
F	26-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
E	03-MAR-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1640/2017 (DATED 08-MAR-2019) AND L/OCGC/DFCC/CMT/CTP-13/1603/2040 (DATED 29-MAR-2019)	ACT	SRG	SKP	SKP
D	14-MAR-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1602/1988 (DATED 07-MAR-2019)	ACT	SRG	SKP	SKP
C	18-FEB-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1601/2033 (DATED 28-JAN-2019)	ACT	SRG	SKP	SKP

PROJECT: WESTERN DEDICATED FREIGHT CORRIDOR ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13 PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER: DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC: PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM OCG - OCI - NK - NKI - RITES

CONTRACTOR: EXPRESS FREIGHT CONSORTIUM

DESIGNER: STUP Consultants Pvt. Ltd.

TITLE: ALIGNMENT DRAWING PLAN AND PROFILE FOR PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC) FROM 58+000 TO 58+500

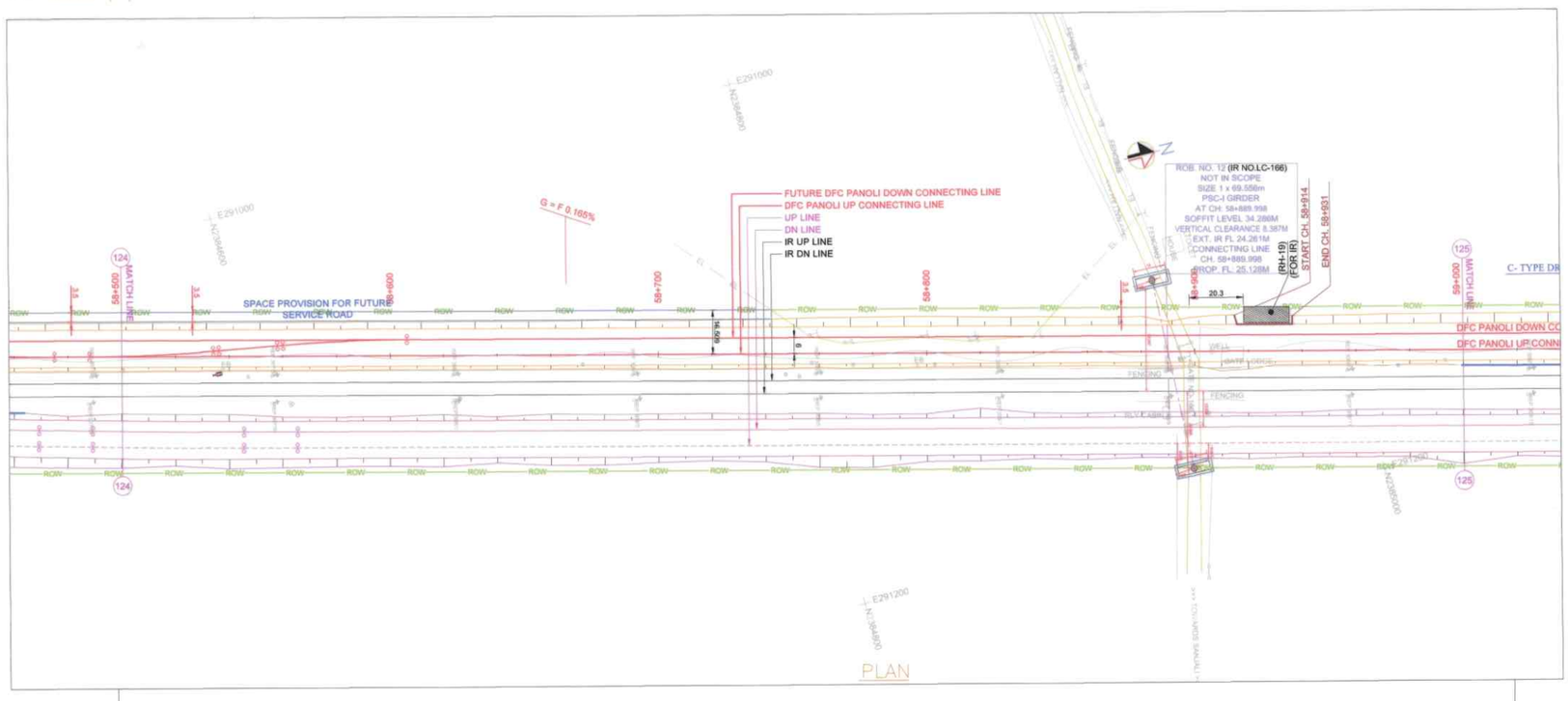
	NAME	SIGN
DRWN	ACT	
DSGN	SRG	
CHKD	SKP	
APPD	SKP	

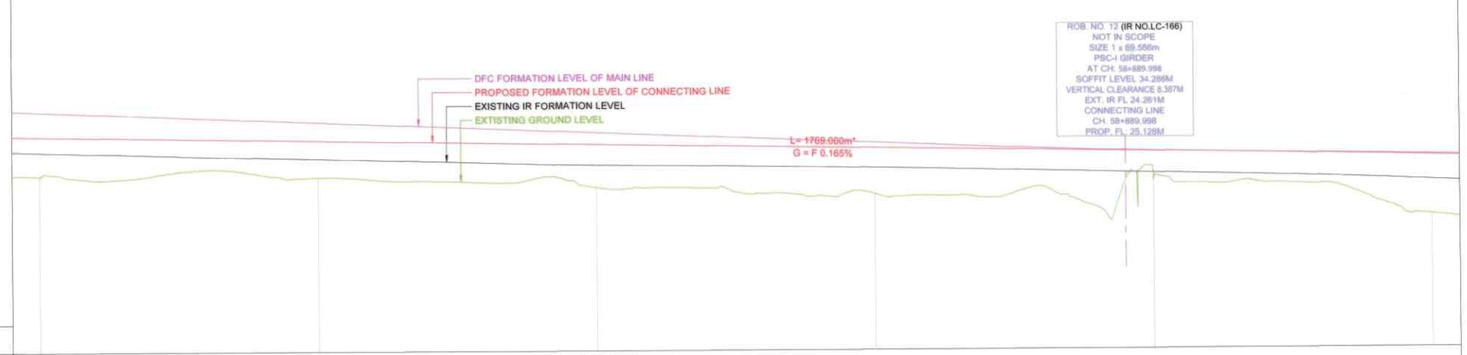
JOB NO: 8309 | SIZE: A1 | PROJECTION | SCALE: H 1:1000 V 1:100

STATUS: ID: (INCEPTION) | TD: (TECHNICAL) | CD: (CONSTRUCTION) | BD: (AS BUILT)

DATE : 19-OCT-2018

DRG. NO. 13/AL/DG/0063 F





DATUM = 18 m.	
VERTICAL ALIGNMENT	L =1769.000 m* G = F 0.165%
HORIZONTAL ALIGNMENT	Straight =2310.74m *

CHAINAGE	DIST. BETWEEN EX. IR. TRACK & PROP. DFCC TRACK AS PER DESIGN	FILL HEIGHT (+) / CUT DEPTH (-)	PROPOSED FORMATION LEVEL OF CONNECTING LINE	EXISTING IR FORMATION LEVEL	DFC FORMATION LEVEL OF MAIN LINE	GROUND LEVEL
58+500	9.976	+1.424	25.773	25.213	26.664	24.349
58+520	9.972	+1.536	25.740	25.161	26.584	24.204
58+540	9.969	+1.354	25.707	25.106	26.504	24.353
58+560	9.972	+1.098	25.674	25.046	26.425	24.576
58+580	9.990	+1.269	25.641	25.001	26.345	24.372
58+600	10.009	+1.326	25.608	24.954	26.265	24.282
58+620	10.026	+1.386	25.575	24.904	26.186	24.189
58+640	10.011	+1.401	25.541	24.851	26.106	24.140
58+660	9.989	+1.431	25.508	24.794	26.026	24.077
58+680	9.970	+1.216	25.475	24.735	25.947	24.259
58+700	9.974	+1.560	25.442	24.695	25.867	23.882
58+720	10.001	+1.541	25.409	24.676	25.787	23.868
58+740	10.028	+1.529	25.376	24.652	25.708	23.847
58+760	10.049	+1.702	25.343	24.621	25.628	23.841
58+780	10.003	+1.754	25.310	24.593	25.548	23.588
58+800	9.966	+1.860	25.277	24.559	25.469	23.617
58+820	9.909	+1.898	25.244	24.520	25.389	23.546
58+840	9.913	+1.748	25.211	24.475	25.309	23.463
58+860	9.940	+1.339	25.178	24.427	25.230	23.849
58+880	9.966	+2.049	25.145	24.379	25.160	23.699
58+900	9.974	+1.869	25.112	24.333	25.116	24.043
58+920	9.972	+1.145	25.078	24.288	25.079	23.933
58+940	9.972	+1.100	25.045	24.242	25.038	23.946
58+960	9.973	+1.108	25.012	24.189	24.997	23.904
58+980	9.966	+1.880	24.979	24.111	24.957	23.299
59+000	9.956	+2.159	24.948	24.033	24.916	22.790

SECTIONAL ELEVATION DN LINE

DETAILS OF DIVERSION ROAD	
CHAINAGE	SERVICE ROAD WIDTH
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** SINGLE LANE BITUMINOUS ROAD WITH SHOULDERS AS PER IRC STANDARDS	

DETAILS OF CANAL/ NALA DIVERSION	
CHAINAGE	
FROM	TO
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF SAFETY WALL	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF EARTH RETAINING STRUCTURE / REINFORCED SLOPES	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	CH. 58+914.000 TO CH. 58+931.000
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** LENGTH OF RETAINING WALL MAY VARY ACCORDING TO THE TYPE OF DRAIN	

DIVERSION OF OTHER UTILITIES	
CHAINAGE	PARTICULARS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

PMC-2R OCG-OCI-NK-NKI-RITES
Submitted Vide Ltr. Ref. No. Date:
Engineer's Response
NOHO
Name Signature
Checked P.P
Reviewed
Authorised Signatory
Date 19-12-19

(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

26-12-19 — INFM CHE DY. PME&EGG.
30/12/19 — Dy. CME&EGG.
31.12.19 — CGM/ VADODARA

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative Date

NOTES:

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. TRACK CENTER BETWEEN DFC AND EXISTING IR TRACK HAS BEEN KEPT AT MINIMUM 9.925M.
3. TRACK CENTER BETWEEN MAIN LINE OF DFC HAS BEEN KEPT AS MINIMUM 6M.
4. PUBLIC UTILITIES, HT/LT LINES, OFC CABLES, WATER/SEWER LINES etc. INTERFERING DFC TRACKS SHALL BE RELOCATED.
5. CHANNEL DIVERSION, PROTECTIONS WORKS AND BRIDGE WORKS ARE INDICATED IN THE GADS OF THE CORRESPONDING BRIDGES.
6. FIRM LINE IS DFC UP PANOLI CONNECTING LINE WHICH HAS BEEN DESIGNED. DOTTED LINE IS FUTURE DFC DOWN PANOLI CONNECTING LINE.
7. CURVE INFORMATION IS SHOWN FOR DFC UP PANOLI CONNECTING LINE ONLY. THESE ARE TO BE READ AND NOT BE MEASURED.
8. FOR DRAINAGE DETAILS SEPARATE DRAWING WILL BE ISSUED.
9. THE STRUCTURE SIZE INDICATED IN PLAN & PROFILE DRAWINGS ARE PRELIMINARY AND FOR INDICATIVE PURPOSE ONLY. FOR THE ACTUAL SIZE OF STRUCTURE REFER RESPECTIVE G.A.DRAWING.
10. * SHOWS THE TOTAL LENGTH OF THE DESIGNED ELEMENT
11. FOR CNS DETAILS PLEASE REFER SEPARATE DRAWING / DOCUMENTS.
12. ALL THE LEVEL ARE WITH RESPECT TO MEAN SEA LEVEL.
13. LOCATION AND SPAN ARRANGEMENT OF BRIDGES / DFC YARD LAYOUT AND NOS. OF TRACKS IN YARD PLAN SHALL BE VERIFIED AS PER FINAL APPROVED DRAWINGS. ANY MODIFICATION OF ALIGNMENT DUE TO ABOVE ITEMS HAS TO BE CARRIED OUT BY THE CONTRACTOR ON HIS OWN COST.
14. FORMATION WIDTH IS INCREASED TO 13.860 METER FROM 13.500 METER AS PER ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
15. ROAD BRIDGE DETAILS REFER RESPECTIVE DRAWING (TO BE ISSUED)
16. ALIGNMENT CONSTRUCTION DRAWINGS ARE BASED ON ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"

REFERENCE DRAWINGS: (LATEST REVISION)

13/AL/DG-1531 .... LEGEND AND ABBREVIATION FOR PLAN AND PROFILE DRAWINGS.
13/AL/DG-1532 .... KEY PLAN FOR PACKAGE-13 SACHIN TO VADODARA

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
F	26-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
E	03-MAY-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1940/2017 DATED. 18-MAR-2019) AND L/OCGC/DFCC/CMT/CTP-13/1940/2040 DATED 29-MAR-2019)	ACT	SRG	SKP	SKP
D	14-MAR-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1903/1998 DATED 07-MAR-2019)	ACT	SRG	SKP	SKP
C	19-FEB-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1812/2035 (DATED 29-JAN-2019)	ACT	SRG	SKP	SKP

PROJECT:
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN
PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION — SEAL & SIGN

EMPLOYER: DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC: PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM OCG - OCI - NK - NKI - RITES

CONTRACTOR: EXPRESS FREIGHT CONSORTIUM

DESIGNER: STUP Consultants Pvt. Ltd.

TITLE: ALIGNMENT DRAWING PLAN AND PROFILE FOR PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC) FROM 58+500 TO 59+000

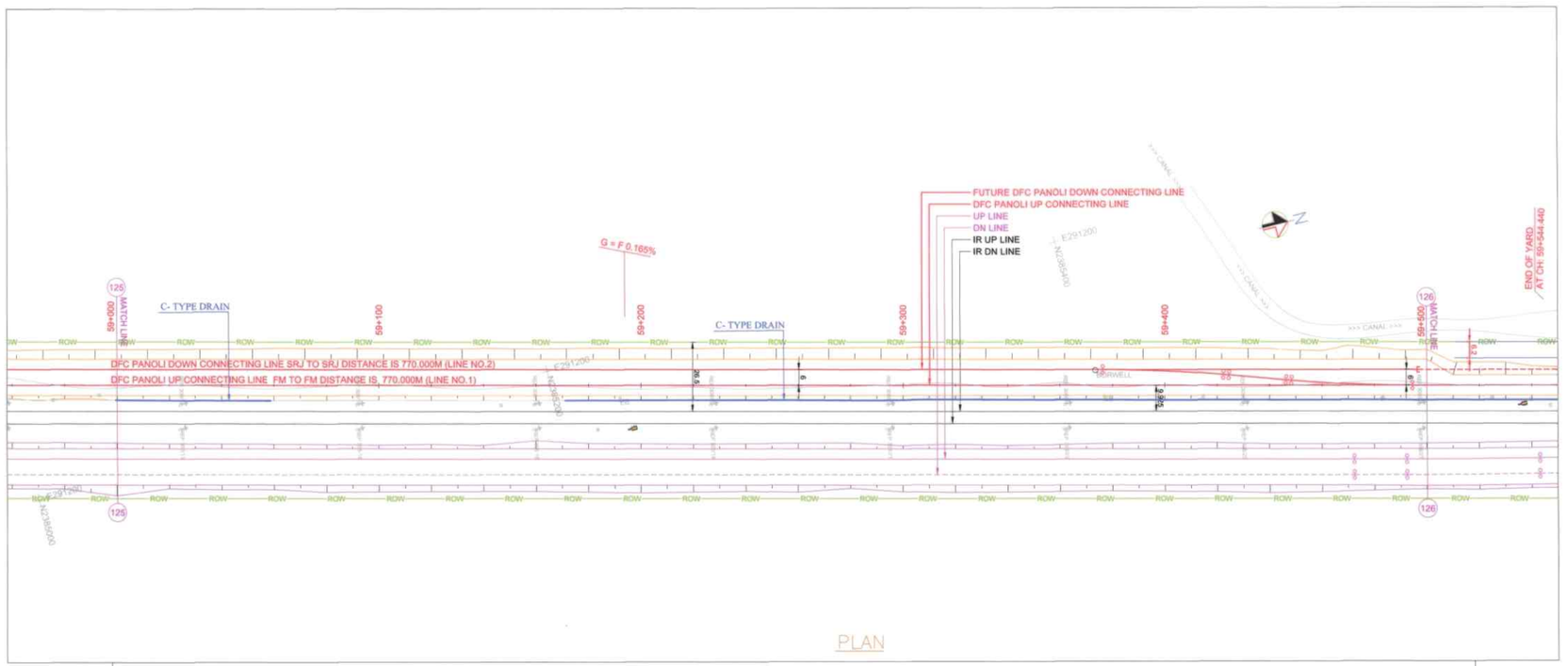
	NAME	SIGN
DRWN	ACT	
DSGN	SRG	
CHKD	SKP	
APPD	SKP	

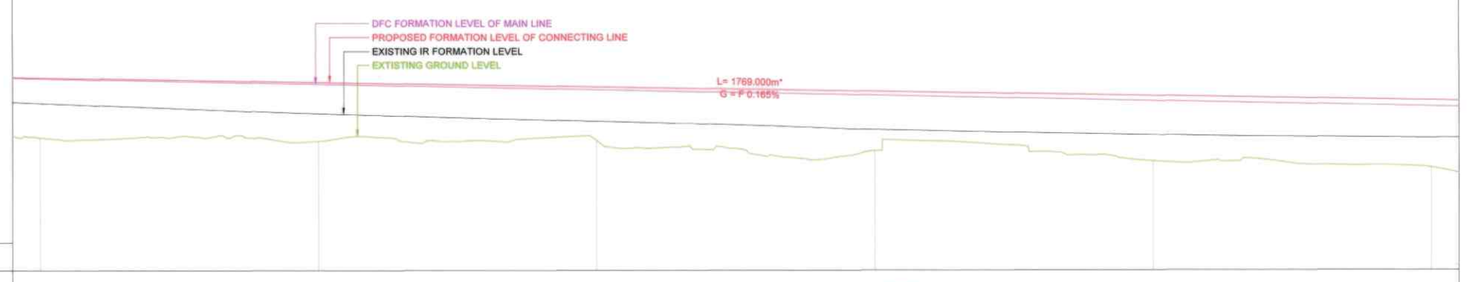
JOB NO: 8309 — SIZE: A1 — PROJECTION — SCALE: H 1:1000 V 1:100

STATUS: ID: (INCEPTION) / TD: (TECHNICAL) / CD: (CONSTRUCTION) / BD: (AS BUILT)

DATE : 19-OCT-2018

DRG. NO. 13/AL/DG/0064 F





DATUM = 18 m.

VERTICAL ALIGNMENT: L =1769.000 m* G = F 0.165%

HORIZONTAL ALIGNMENT: Straight =2310.74m *

CHAINAGE	DIST. BETWEEN EX. IR. TRACK & PROP. DFCC TRACK AS PER DESIGN	FILL HEIGHT (+) / CUT DEPTH (-)	PROPOSED FORMATION LEVEL OF CONNECTING LINE	EXISTING IR FORMATION LEVEL	DFC FORMATION LEVEL OF MAIN LINE	GROUND LEVEL
59+000	9.956	+2.158	24.946	24.033	24.918	22.790
59+020	9.947	+2.190	24.913	23.955	24.875	22.723
59+040	9.952	+2.079	24.886	23.878	24.835	22.801
59+060	9.959	+2.069	24.847	23.801	24.794	22.778
59+080	9.965	+2.033	24.814	23.725	24.754	22.781
59+100	9.970	+2.122	24.781	23.656	24.713	22.689
59+120	9.979	+1.942	24.748	23.597	24.672	22.806
59+140	9.987	+2.029	24.715	23.539	24.632	22.886
59+160	9.990	+2.002	24.682	23.481	24.591	22.880
59+180	9.984	+1.871	24.649	23.431	24.551	22.778
59+200	9.981	+1.917	24.616	23.380	24.510	22.689
59+220	9.974	+2.182	24.582	23.330	24.469	22.420
59+240	9.982	+2.199	24.549	23.273	24.429	22.350
59+260	9.996	+2.389	24.516	23.211	24.388	22.127
59+280	10.009	+2.500	24.483	23.140	24.347	21.983
59+300	10.018	+2.138	24.450	23.072	24.307	22.312
59+320	10.014	+1.754	24.417	23.030	24.266	22.663
59+340	10.005	+1.821	24.384	22.988	24.228	22.583
59+360	9.995	+2.074	24.351	22.946	24.185	22.277
59+380	9.969	+2.164	24.318	22.911	24.144	22.154
59+400	9.941	+2.352	24.285	22.876	24.104	21.933
59+420	9.912	+2.318	24.252	22.841	24.063	21.934
59+440	9.907	+2.243	24.219	22.816	24.022	21.978
59+460	9.916	+2.396	24.186	22.799	23.982	21.790
59+480	9.922	+2.369	24.153	22.782	23.941	21.784
59+500	9.925	+2.422	24.119	22.769	23.901	21.897

SECTIONAL ELEVATION DN LINE

DETAILS OF DIVERSION ROAD	
CHAINAGE	SERVICE ROAD WIDTH
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** SINGLE LANE BITUMINOUS ROAD WITH SHOULDERS AS PER IRC STANDARDS	

DETAILS OF CANAL/ NALA DIVERSION	
CHAINAGE	
FROM	TO
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF SAFETY WALL	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF EARTH RETAINING STRUCTURE / REINFORCED SLOPES	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** LENGTH OF RETAINING WALL MAY VARY ACCORDING TO THE TYPE OF DRAIN	

DIVERSION OF OTHER UTILITIES	
CHAINAGE	PARTICULARS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

PMC-2R OCG-OCI-NK-NKI-RITES
Engineer's Response
NONO
Checked P.P
Reviewed
Authorised Signatory
Date 19-12-19
(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

24-12-19 RPM DR DY. PM&EGG. | DY. CPM&ENGG. | 31.12.19 CGM / VADODARA

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL-CTP-13
Contractor's Representative Date

NOTES:

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. TRACK CENTER BETWEEN DFC AND EXISTING IR TRACK HAS BEEN KEPT AT MINIMUM 9.925M.
3. TRACK CENTER BETWEEN MAIN LINE OF DFC HAS BEEN KEPT AS MINIMUM 6M.
4. PUBLIC UTILITIES, HT/LT LINES, OFC CABLES, WATER/SEWER LINES etc. INTERFERING DFC TRACKS SHALL BE RELOCATED.
5. CHANNEL DIVERSION, PROTECTIONS WORKS AND BRIDGE WORKS ARE INDICATED IN THE GADS OF THE CORRESPONDING BRIDGES.
6. FIRM LINE IS DFC UP PANOLI CONNECTING LINE WHICH HAS BEEN DESIGNED. DOTTED LINE IS FUTURE DFC DOWN PANOLI CONNECTING LINE.
7. CURVE INFORMATION IS SHOWN FOR DFC UP PANOLI CONNECTING LINE ONLY. THESE ARE TO BE READ AND NOT BE MEASURED.
8. FOR DRAINAGE DETAILS SEPARATE DRAWING WILL BE ISSUED.
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10. * SHOWS THE TOTAL LENGTH OF THE DESIGNED ELEMENT
11. FOR CNS DETAILS PLEASE REFER SEPARATE DRAWING / DOCUMENTS.
12. ALL THE LEVEL ARE WITH RESPECT TO MEAN SEA LEVEL.
13. LOCATION AND SPAN ARRANGEMENT OF BRIDGES / DFC YARD LAYOUT AND NOS. OF TRACKS IN YARD PLAN SHALL BE VERIFIED AS PER FINAL APPROVED DRAWINGS. ANY MODIFICATION OF ALIGNMENT DUE TO ABOVE ITEMS HAS TO BE CARRIED OUT BY THE CONTRACTOR ON HIS OWN COST.
14. FORMATION WIDTH IS INCREASED TO 13.860 METER FROM 13.500 METER AS PER ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
15. ROAD BRIDGE DETAILS REFER RESPECTIVE DRAWING (TO BE ISSUED)
16. ALIGNMENT CONSTRUCTION DRAWINGS ARE BASED ON ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"

REFERENCE DRAWINGS: (LATEST REVISION)

13/AL/DG-1531 .... LEGEND AND ABBREVIATION FOR PLAN AND PROFILE DRAWINGS.
13/AL/DG-1532 .... KEY PLAN FOR PACKAGE-13 SACHIN TO VADODARA

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
F	26-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
E	03-MAY-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1944/2577 (DATED -18-MAR-2019) AND L/OCGC/DFCC/CMT/CTP-13/1945/2594 (DATED 29-MAR-2019)	ACT	SRG	SKP	SKP
D	14-MAR-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1902/1988 (DATED 07-MAR-2019)	ACT	SRG	SKP	SKP
C	19-FEB-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1910/2039 (DATED 25-JAN-2019)	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13 PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG CONSORTIUM OCG - OCI - NK - NKI - RITES

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM

DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
ALIGNMENT DRAWING PLAN AND PROFILE FOR PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC) FROM 59+000 TO 59+500

	NAME	SIGN
DRWN	ACT	
DSGN	SRG	
CHKD	SKP	
APRD	SKP	

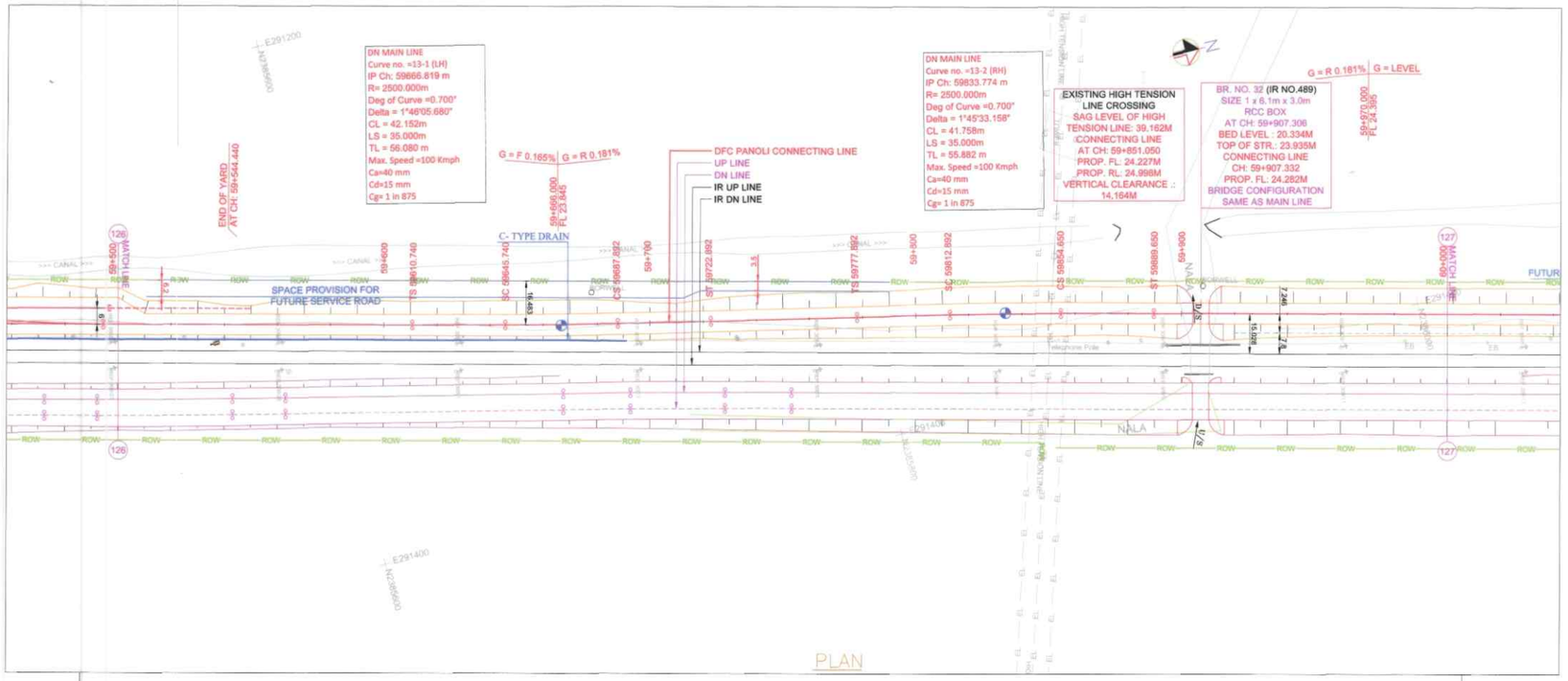
JOB NO: 6309
SIZE A1
PROJECTION
SCALE H 1:1000 V 1:100

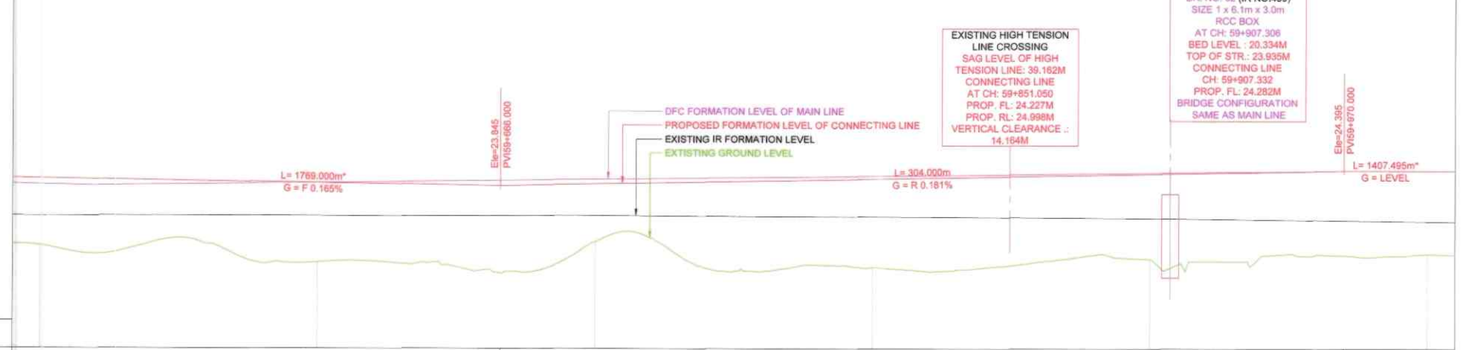
STATUS: ID: (INCEPTION) | TD: (TECHNICAL) | ✓ CD: (CONSTRUCTION) | BD: (AS BUILT)

DATE : 19-OCT-2018

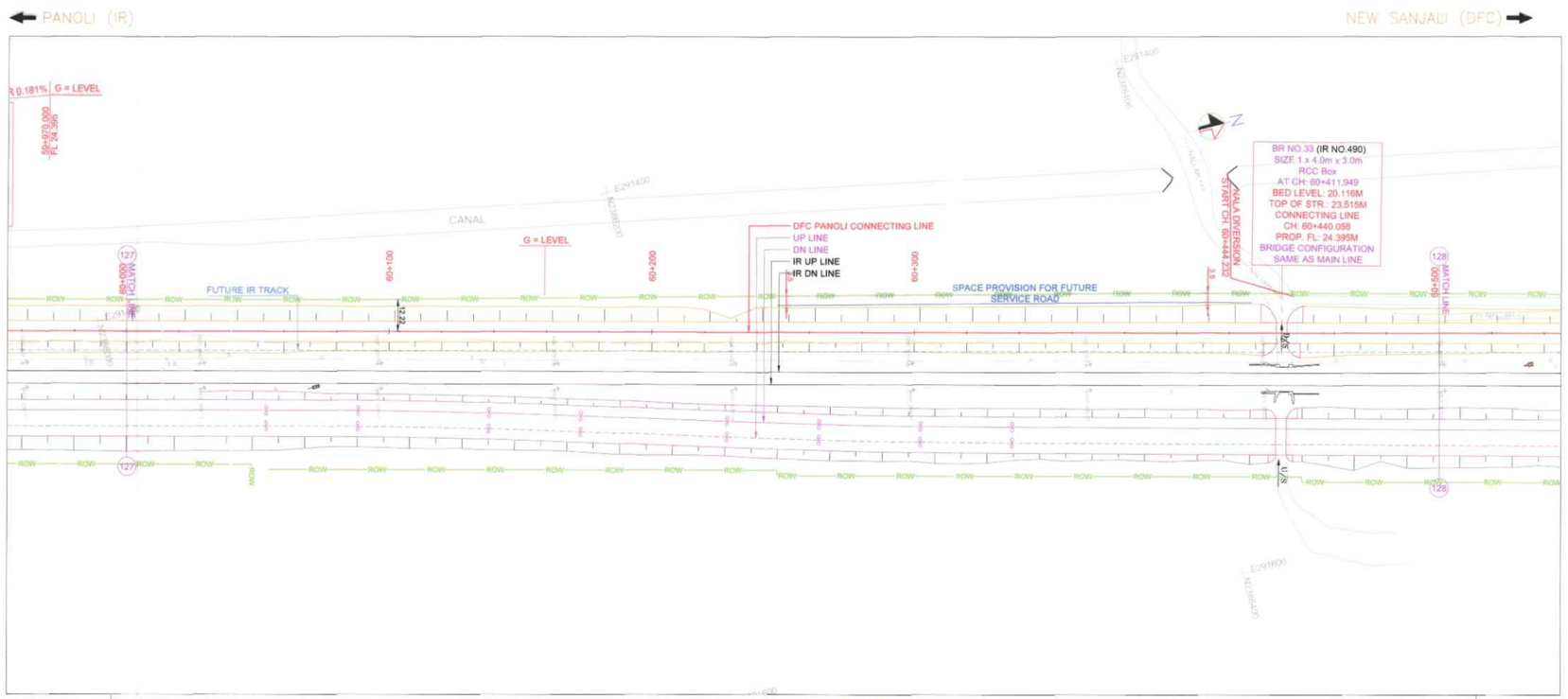
DRG. NO. 13/AL/DG/0065 F

13-AL-0065F.dwg


PANOLI (IR)
NEW SANJALI (DFC)
DN MAIN LINE
Curve no. =13-1 (LH)
IP Ch: 59666.819 m
R= 2500.000m
Deg of Curve =0.700°
Delta = 1°46'05.680"
CL = 42.152m
LS = 35.000m
TL = 56.080 m
Max. Speed =100 Kmph
Ca=40 mm
Cd=15 mm
Cg= 1 in 875
DN MAIN LINE
Curve no. =13-2 (RH)
IP Ch: 59833.774 m
R= 2500.000m
Deg of Curve =0.700°
Delta = 1°45'33.158"
CL = 41.758m
LS = 35.000m
TL = 55.882 m
Max. Speed =100 Kmph
Ca=40 mm
Cd=15 mm
Cg= 1 in 875
EXISTING HIGH TENSION LINE CROSSING
SAG LEVEL OF HIGH TENSION LINE: 39.162M
CONNECTING LINE
AT CH: 59+851.050
PROP. FL: 24.227M
PROP. RL: 24.998M
VERTICAL CLEARANCE .: 14.164M
BR. NO. 32 (IR NO.489)
SIZE 1 x 6.1m x 3.0m
RCC BOX
AT CH: 59+907.306
BED LEVEL : 20.334M
TOP OF STR.: 23.935M
CONNECTING LINE
CH: 59+907.332
PROP. FL: 24.282M
BRIDGE CONFIGURATION
SAME AS MAIN LINE
G = F 0.165%
G = R 0.181%
G = LEVEL
DFC PANOLI CONNECTING LINE
UP LINE
DN LINE
IR UP LINE
IR DN LINE
END OF YARD
AT CH: 59+544.440
C- TYPE DRAIN
SPACE PROVISION FOR FUTURE SERVICE ROAD
NALA
PLAN


EXISTING HIGH TENSION LINE CROSSING
SAG LEVEL OF HIGH TENSION LINE: 39.162M
CONNECTING LINE
AT CH: 59+851.050
PROP. FL: 24.227M
PROP. RL: 24.998M
VERTICAL CLEARANCE .: 14.164M
BR. NO. 32 (IR NO.489)
SIZE 1 x 6.1m x 3.0m
RCC BOX
AT CH: 59+907.306
BED LEVEL : 20.334M
TOP OF STR.: 23.935M
CONNECTING LINE
CH: 59+907.332
PROP. FL: 24.282M
BRIDGE CONFIGURATION
SAME AS MAIN LINE
DFC FORMATION LEVEL OF MAIN LINE
PROPOSED FORMATION LEVEL OF CONNECTING LINE
EXISTING IR FORMATION LEVEL
EXTISTING GROUND LEVEL
L= 1769.000m*
G = F 0.165%
L= 304.000m
G = R 0.181%
L= 1407.495m*
G = LEVEL

| DATUM = 18 m. | | |



DATUM = 18 m.																																			
VERTICAL ALIGNMENT	L= 1407.495m* G = LEVEL																																		
HORIZONTAL ALIGNMENT	Straight =2170.48m *																																		
DIST. BETWEEN EX. IR. TRACK & PROP. DFCC TRACK AS PER DESIGN	15.092	15.083	15.067	15.049	15.029	15.009	14.998	14.987	14.974	15.014	15.060	15.104	15.111	15.089	15.067	15.043	15.032	15.025	15.015	15.043	15.079	15.117	15.132	15.106	15.077	15.045								
FILL HEIGHT (+) / CUT DEPTH (-)	+2.897	+3.049	+3.020	+3.043	+2.944	+3.124	+2.927	+2.982	+2.861	+2.750	+3.018	+3.070	+3.050	+2.964	+2.889	+2.977	+3.053	+3.097	+3.110	+3.134	+3.173	+3.410	+3.648	+3.157	+3.075	+2.959									
PROPOSED FORMATION LEVEL OF CONNECTING LINE	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395									
EXISTING IR FORMATION LEVEL	22.579	22.557	22.543	22.532	22.520	22.512	22.515	22.517	22.519	22.511	22.502	22.492	22.480	22.466	22.452	22.439	22.435	22.430	22.425	22.443	22.466	22.486	22.492	22.480	22.469	22.457									
DFC FORMATION LEVEL OF MAIN LINE	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395	24.395									
GROUND LEVEL	21.388	21.346	21.375	21.352	21.451	21.371	21.468	21.413	21.534	21.605	21.377	21.325	21.345	21.406	21.418	21.342	21.222	21.298	21.285	21.261	21.222	20.985	20.746	21.235	21.320	21.436									
CHAINAGE	60+000	60+020	60+040	60+060	60+080	60+100	60+120	60+140	60+160	60+180	60+200	60+220	60+240	60+260	60+280	60+300	60+320	60+340	60+360	60+380	60+400	60+420	60+440	60+460	60+480	60+500									

SECTIONAL ELEVATION DN LINE

DETAILS OF DIVERSION ROAD	
CHAINAGE	SERVICE ROAD WIDTH
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** SINGLE LANE BITUMINOUS ROAD WITH SHOULDERS AS PER IRC STANDARDS	

DETAILS OF CANAL/ NALA DIVERSION	
CHAINAGE	
FROM	TO
CH. 60+444.232	CH. 60+582.034
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF SAFETY WALL	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF EARTH RETAINING STRUCTURE / REINFORCED SLOPES	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** LENGTH OF RETAINING WALL MAY VARY ACCORDING TO THE TYPE OF DRAIN	

DIVERSION OF OTHER UTILITIES	
CHAINAGE	PARTICULARS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

PMC-2R OCG-OCI-NK-NKI-RITES
Submittal Ref. Date
Ltr. Ref. No.
Engineer's Response
NOted
Noted Signature
Checked P.P
Reviewed
Differential Signature
Date 19-12-19

(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

20-12-19	30.12.19	31.12.19
AFF GE, Dy. PHEngg.	Dy. CPWEngg.	CSPM/ VADODARA

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative Date

NOTES:

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. TRACK CENTER BETWEEN DFC AND EXISTING IR TRACK HAS BEEN KEPT AT MINIMUM 9.925M.
3. TRACK CENTER BETWEEN MAIN LINE OF DFC HAS BEEN KEPT AS MINIMUM 6M.
4. PUBLIC UTILITIES, HT/LT LINES, OFC CABLES, WATER/SEWER LINES etc. INTERFERING DFC TRACKS SHALL BE RELOCATED.
5. CHANNEL DIVERSION, PROTECTIONS WORKS AND BRIDGE WORKS ARE INDICATED IN THE GADS OF THE CORRESPONDING BRIDGES.
6. FIRM LINE IS DFC UP PANOLI CONNECTING LINE WHICH HAS BEEN DESIGNED. DOTTED LINE IS FUTURE DFC DOWN PANOLI CONNECTING LINE.
7. CURVE INFORMATION IS SHOWN FOR DFC UP PANOLI CONNECTING LINE ONLY. THESE ARE TO BE READ AND NOT BE MEASURED.
8. FOR DRAINAGE DETAILS SEPARATE DRAWING WILL BE ISSUED.
9. THE STRUCTURE SIZE INDICATED IN PLAN & PROFILE DRAWINGS ARE PRELIMINARY AND FOR INDICATIVE PURPOSE ONLY. FOR THE ACTUAL SIZE OF STRUCTURE REFER RESPECTIVE G.A.DRAWING.
10. * SHOWS THE TOTAL LENGTH OF THE DESIGNED ELEMENT
11. FOR CNS DETAILS PLEASE REFER SEPARATE DRAWING / DOCUMENTS.
12. ALL THE LEVEL ARE WITH RESPECT TO MEAN SEA LEVEL.
13. LOCATION AND SPAN ARRANGEMENT OF BRIDGES / DFC YARD LAYOUT AND NOS. OF TRACKS IN YARD PLAN SHALL BE VERIFIED AS PER FINAL APPROVED DRAWINGS. ANY MODIFICATION OF ALIGNMENT DUE TO ABOVE ITEMS HAS TO BE CARRIED OUT BY THE CONTRACTOR ON HIS OWN COST.
14. FORMATION WIDTH IS INCREASED TO 13.860 METER FROM 13.500 METER AS PER ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
15. ROAD BRIDGE DETAILS REFER RESPECTIVE DRAWING (TO BE ISSUED)
16. ALIGNMENT CONSTRUCTION DRAWINGS ARE BASED ON ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"

REFERENCE DRAWINGS: (LATEST REVISION)

13/AL/DG-1531 .... LEGEND AND ABBREVIATION FOR PLAN AND PROFILE DRAWINGS.
13/AL/DG-1532 .... KEY PLAN FOR PACKAGE-13 SACHIN TO VADODARA

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
F	20-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
E	08-MAY-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1604/2317 (DATED 28-MARR-2019) AND L/OCGC/DFCC/CMT/CTP-13/1603/2342 (DATED 29-MAR-2019)	ACT	SRG	SKP	SKP
D	14-MAR-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1603/1806 (DATED 07-MAR-2019)	ACT	SRG	SKP	SKP
C	15-FEB-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1512/2026 (DATED 29-JAN-2019)	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
-ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
-PROPOSED DFC CONNECTIVITY BETWEEN
-PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM

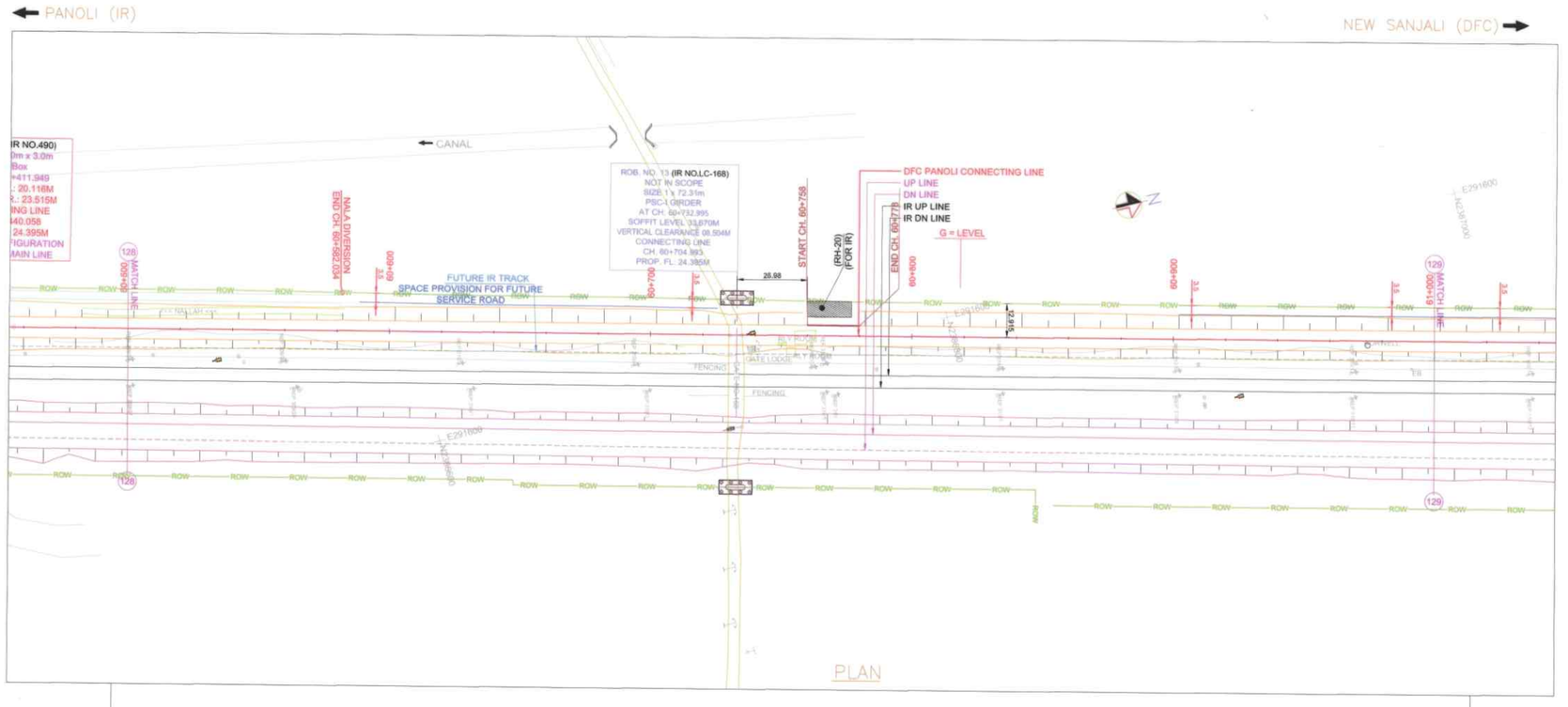
DESIGNER
STUP Consultants Pvt. Ltd.

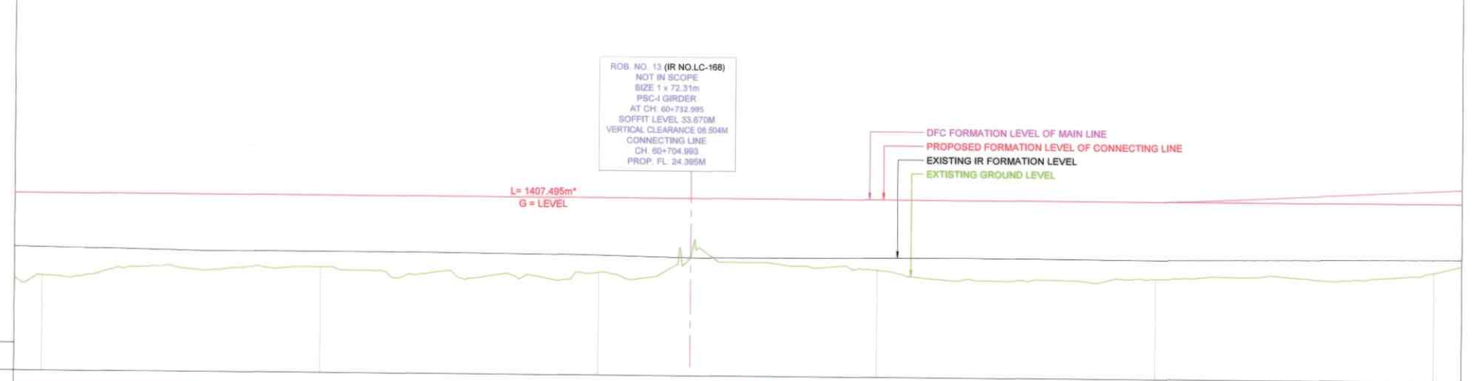
TITLE
ALIGNMENT DRAWING PLAN AND PROFILE FOR PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC) FROM 60+000 TO 60+500

JOB NO. 13-309			SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT			TD: (TECHNICAL)
DSGN	SRG			CD: (CONSTRUCTION)
CHKD	SKP		SCALE	BD: (AS BUILT)
APPD	SKP		H 1:1000 V 1:100	DATE : 19-OCT-2018

DRG. NO. 13/AL/DG/0067 F

13-AL-00067F.dwg





DATUM = 18 m.	
VERTICAL ALIGNMENT	L= 1407.495m* G = LEVEL
HORIZONTAL ALIGNMENT	Straight =2170.45m *

CHAINAGE	DIST. BETWEEN EX. IR. TRACK & PROP. DFCC TRACK AS PER DESIGN	FILL HEIGHT (+) / CUT DEPTH (-)	PROPOSED FORMATION LEVEL OF CONNECTING LINE	EXISTING IR FORMATION LEVEL	DFC FORMATION LEVEL OF MAIN LINE	GROUND LEVEL
60+500	15.045	+2.569	24.395	22.457	24.395	21.826
60+520	15.044	+2.871	24.395	22.424	24.395	21.524
60+540	15.049	+2.597	24.395	22.391	24.395	21.798
60+560	15.050	+2.734	24.395	22.360	24.395	21.661
60+580	15.062	+2.607	24.395	22.364	24.395	21.788
60+600	15.073	+2.582	24.395	22.368	24.395	21.813
60+620	15.084	+2.704	24.395	22.372	24.395	21.691
60+640	15.075	+2.760	24.395	22.365	24.395	21.635
60+660	15.059	+2.865	24.395	22.353	24.395	21.530
60+680	15.043	+2.892	24.395	22.342	24.395	21.503
60+700	15.038	+2.695	24.395	22.322	24.395	21.700
60+720	15.054	+2.832	24.395	22.282	24.395	21.563
60+740	15.066	+2.057	24.395	22.257	24.395	22.338
60+760	15.073	+2.285	24.395	22.272	24.395	22.110
60+780	15.081	+2.462	24.395	22.286	24.395	21.933
60+800	15.089	+2.534	24.395	22.300	24.395	21.861
60+820	15.096	+2.653	24.395	22.314	24.395	21.742
60+840	15.105	+2.684	24.395	22.320	24.395	21.711
60+860	15.115	+2.836	24.395	22.312	24.395	21.559
60+880	15.129	+2.922	24.395	22.304	24.395	21.473
60+900	15.141	+2.782	24.395	22.296	24.397	21.613
60+920	15.138	+2.674	24.395	22.316	24.465	21.721
60+940	15.135	+2.641	24.395	22.338	24.555	21.754
60+960	15.131	+2.783	24.395	22.354	24.655	21.612
60+980	15.127	+2.700	24.395	22.369	24.754	21.695
61+000	15.122	+2.485	24.395	22.384	24.854	21.910

SECTIONAL ELEVATION DN LINE

DETAILS OF DIVERSION ROAD	
CHAINAGE	SERVICE ROAD WIDTH
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** SINGLE LANE BITUMINOUS ROAD WITH SHOULDERS AS PER IRC STANDARDS	

DETAILS OF CANAL/ NALA DIVERSION	
CHAINAGE	
FROM	TO
CH. 60+444.232	CH. 60+582.034
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF SAFETY WALL	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF EARTH RETAINING STRUCTURE / REINFORCED SLOPES	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	CH. 60+726.980 TO CH. 60+743.980
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** LENGTH OF RETAINING WALL MAY VARY ACCORDING TO THE TYPE OF DRAIN	

DIVERSION OF OTHER UTILITIES	
CHAINAGE	PARTICULARS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

PMC-2R (OCG CONSORTIUM) OCG-OCI-NK-NKI-RITES
Submitted Not Un-Ad Rev | Date
Engineer's Response
NOTED
Checked | Name P.P | Signature
Reviewed
Authorised Signatory
Date 19-12-19

(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

20.12.19 — APMGR BY. PMDNGG.
20/12/19 — DY. CPMENGG.
21.12.19 — CGM/ VADODARA

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative | Date

NOTES:

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. TRACK CENTER BETWEEN DFC AND EXISTING IR TRACK HAS BEEN KEPT AT MINIMUM 9.925M.
3. TRACK CENTER BETWEEN MAIN LINE OF DFC HAS BEEN KEPT AS MINIMUM 6M.
4. PUBLIC UTILITIES, HT/LT LINES, OFC CABLES, WATER/SEWER LINES etc. INTERFERING DFC TRACKS SHALL BE RELOCATED.
5. CHANNEL DIVERSION, PROTECTIONS WORKS AND BRIDGE WORKS ARE INDICATED IN THE GADS OF THE CORRESPONDING BRIDGES.
6. FIRM LINE IS DFC UP PANOLI CONNECTING LINE WHICH HAS BEEN DESIGNED. DOTTED LINE IS FUTURE DFC DOWN PANOLI CONNECTING LINE.
7. CURVE INFORMATION IS SHOWN FOR DFC UP PANOLI CONNECTING LINE ONLY. THESE ARE TO BE READ AND NOT BE MEASURED.
8. FOR DRAINAGE DETAILS SEPARATE DRAWING WILL BE ISSUED.
9. THE STRUCTURE SIZE INDICATED IN PLAN & PROFILE DRAWINGS ARE PRELIMINARY AND FOR INDICATIVE PURPOSE ONLY. FOR THE ACTUAL SIZE OF STRUCTURE REFER RESPECTIVE G.A.DRAWING.
10. * SHOWS THE TOTAL LENGTH OF THE DESIGNED ELEMENT
11. FOR CNS DETAILS PLEASE REFER SEPARATE DRAWING / DOCUMENTS.
12. ALL THE LEVEL ARE WITH RESPECT TO MEAN SEA LEVEL.
13. LOCATION AND SPAN ARRANGEMENT OF BRIDGES / DFC YARD LAYOUT AND NOS. OF TRACKS IN YARD PLAN SHALL BE VERIFIED AS PER FINAL APPROVED DRAWINGS. ANY MODIFICATION OF ALIGNMENT DUE TO ABOVE ITEMS HAS TO BE CARRIED OUT BY THE CONTRACTOR ON HIS OWN COST.
14. FORMATION WIDTH IS INCREASED TO 13.860 METER FROM 13.500 METER AS PER ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
15. ROAD BRIDGE DETAILS REFER RESPECTIVE DRAWING (TO BE ISSUED)
16. ALIGNMENT CONSTRUCTION DRAWINGS ARE BASED ON ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"

REFERENCE DRAWINGS: (LATEST REVISION)

13/AL/DG-1531 .... LEGEND AND ABBREVIATION FOR PLAN AND PROFILE DRAWINGS.
13/AL/DG-1532 .... KEY PLAN FOR PACKAGE-13 SACHIN TO VADODARA

NO	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
F	28-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
E	03-MAY-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1906/23177 (DATED -18-MAR-2019) L/OCGC/DFCC/CMT/CTP-13/1903/2942 (DATED 29-MAR-2019)	ACT	SRG	SKP	SKP
D	14-MAR-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1903/1898 (DATED 07-MAR-2019)	ACT	SRG	SKP	SKP
C	19-FEB-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1901/0335 (DATED 29-JAN-2019)	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG CONSORTIUM
OCG - OCI - NK - NKI - RITES

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
ANTHURA CO., LTD. | TATA

DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
ALIGNMENT DRAWING PLAN AND PROFILE FOR PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC) FROM 60+500 TO 61+000

	NAME	SIGN
DRWN	ACT	
DSGN	SRG	
CHKD	SKP	
APPD	SKP	

SIZE A1 — PROJECTION — SCALE 1:1000 V 1:100

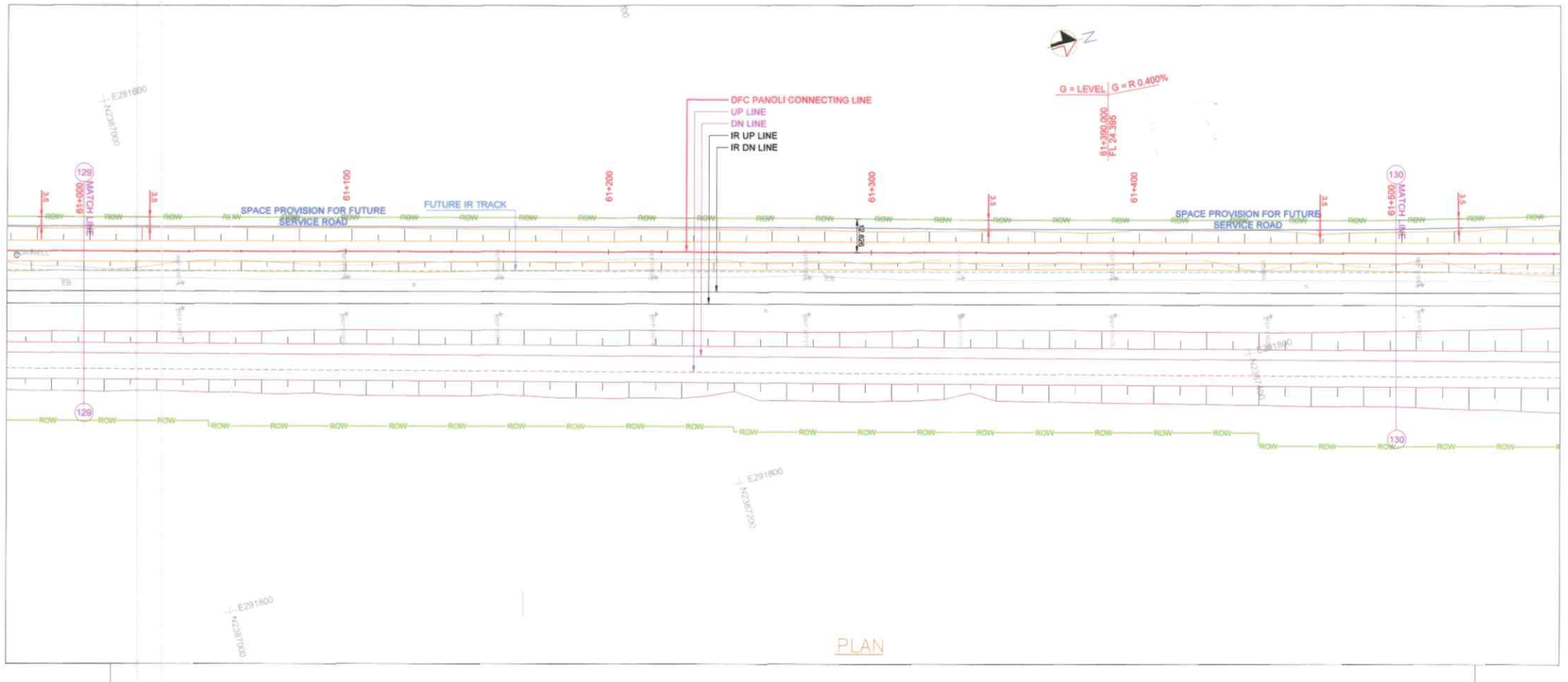
STATUS: ID: (INCEPTION) / TD: (TECHNICAL) / ✓ CD: (CONSTRUCTION) / BD: (AS BUILT)

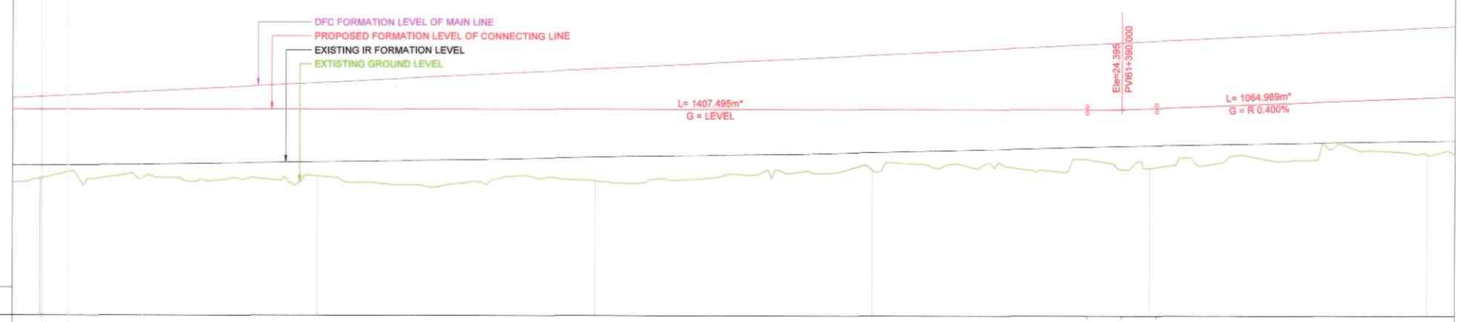
DATE : 19-OCT-2018

SIDE NO. 6309

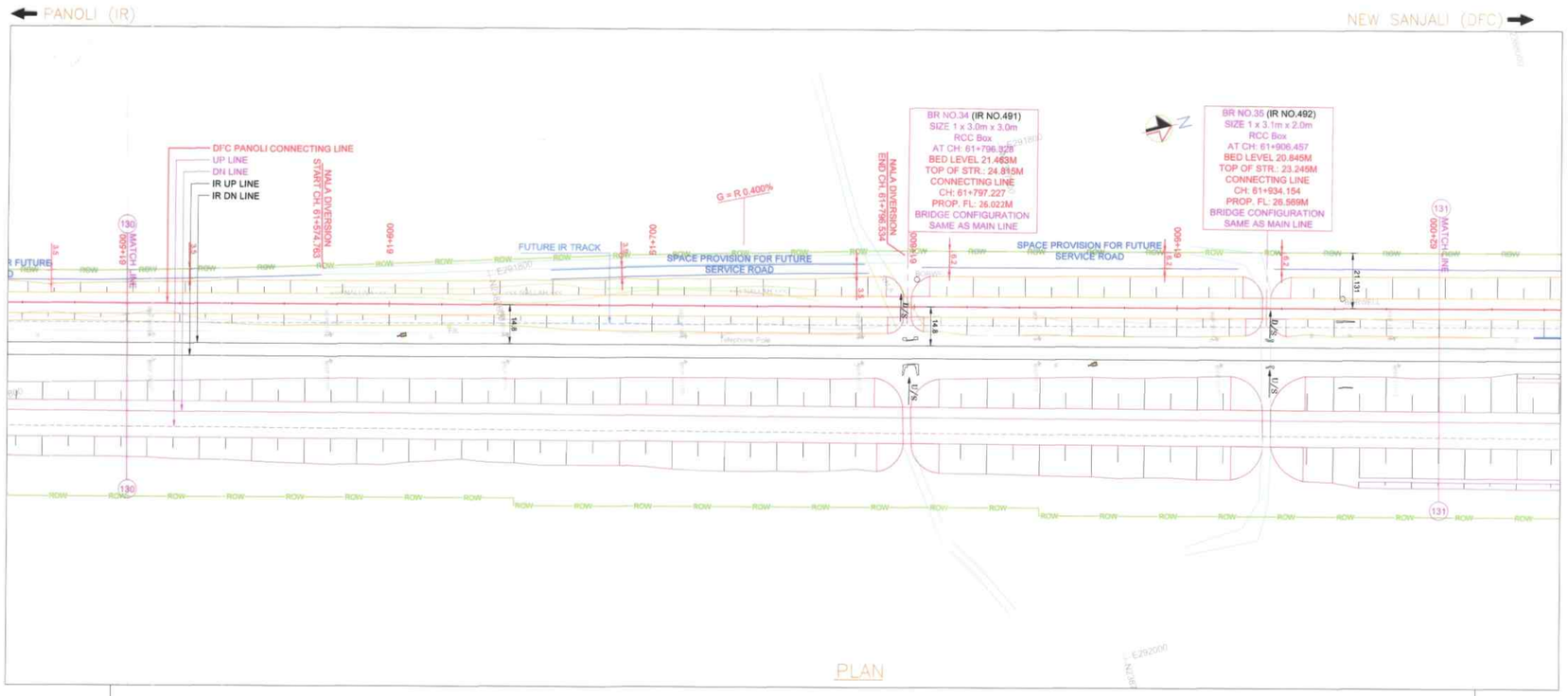
DRG. NO. 13/AL/DG/0068 F

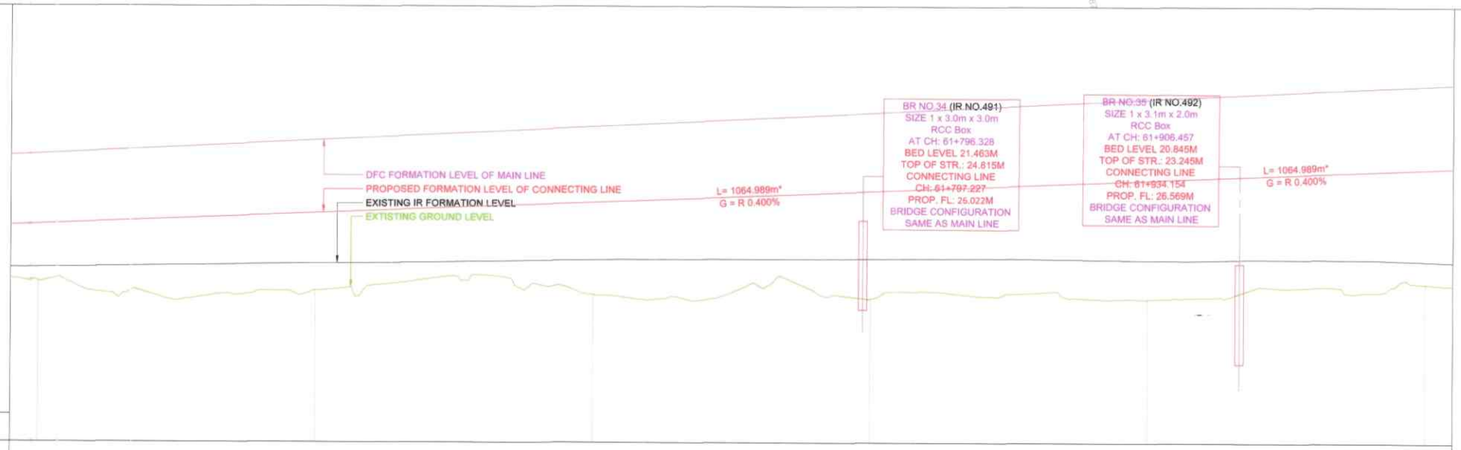
13-AL-0068F.dwg


PANOLI (IR)
NEW SANJALI (DFC)
DFC PANOLI CONNECTING LINE
UP LINE
DN LINE
IR UP LINE
IR DN LINE
G = LEVEL
G = R 0.400%
61+100
61+200
61+300
61+400
129 MATCH LINE
130 MATCH LINE
SPACE PROVISION FOR FUTURE SERVICE ROAD
FUTURE IR TRACK
PLAN

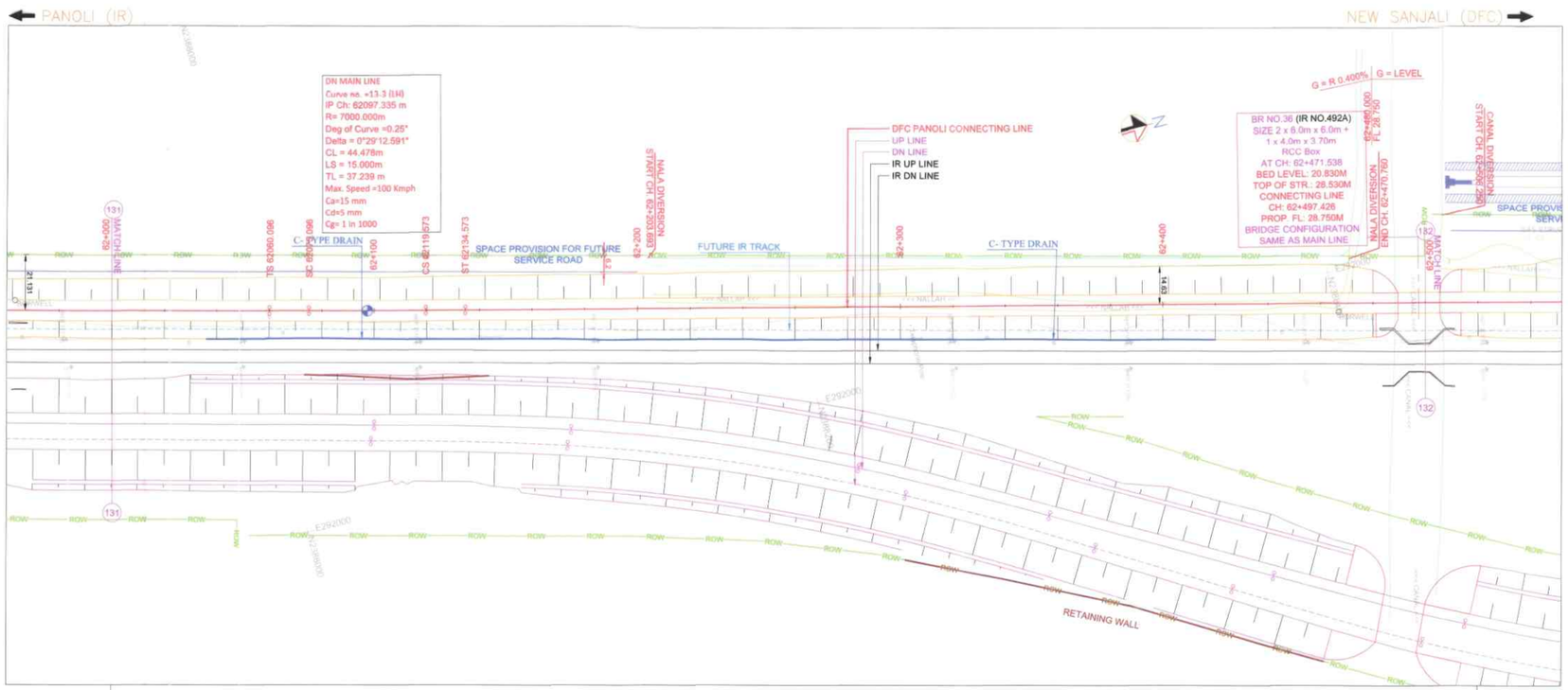

DFC FORMATION LEVEL OF MAIN LINE
PROPOSED FORMATION LEVEL OF CONNECTING LINE
EXISTING IR FORMATION LEVEL
EXTISTING GROUND LEVEL
L= 1407.495m*
G = LEVEL
L= 1064.989m*
G = R 0.400%

| | | |


PANOLI (IR)
NEW SANJALI (DFC)
DFC PANOLI CONNECTING LINE
UP LINE
DN LINE
IR UP LINE
IR DN LINE
NALA DIVERSION START CH: 61+574.763
NALA DIVERSION END CH: 61+796.534
G = R 0.400%
BR NO.34 (IR NO.491)
SIZE 1 x 3.0m x 3.0m
RCC Box
AT CH: 61+796.328
BED LEVEL 21.463M
TOP OF STR.: 24.815M
CONNECTING LINE
CH: 61+797.227
PROP. FL: 26.022M
BRIDGE CONFIGURATION
SAME AS MAIN LINE
BR NO.35 (IR NO.492)
SIZE 1 x 3.1m x 2.0m
RCC Box
AT CH: 61+906.457
BED LEVEL 20.845M
TOP OF STR.: 23.245M
CONNECTING LINE
CH: 61+934.154
PROP. FL: 26.569M
BRIDGE CONFIGURATION
SAME AS MAIN LINE
FUTURE IR TRACK
SPACE PROVISION FOR FUTURE SERVICE ROAD
SPACE PROVISION FOR FUTURE SERVICE ROAD
MATCH LINE
ROW
PLAN


BR NO.34 (IR NO.491)
SIZE 1 x 3.0m x 3.0m
RCC Box
AT CH: 61+796.328
BED LEVEL 21.463M
TOP OF STR.: 24.815M
CONNECTING LINE
CH: 61+797.227
PROP. FL: 26.022M
BRIDGE CONFIGURATION
SAME AS MAIN LINE
BR NO.35 (IR NO.492)
SIZE 1 x 3.1m x 2.0m
RCC Box
AT CH: 61+906.457
BED LEVEL 20.845M
TOP OF STR.: 23.245M
CONNECTING LINE
CH: 61+934.154
PROP. FL: 26.569M
BRIDGE CONFIGURATION
SAME AS MAIN LINE
DFC FORMATION LEVEL OF MAIN LINE
PROPOSED FORMATION LEVEL OF CONNECTING LINE
EXISTING IR FORMATION LEVEL
EXTISTING GROUND LEVEL
L= 1064.989m*
G = R 0.400%
L= 1064.989m*
G = R 0.400%

| DATUM = 17 m. | | |



DATUM = 18 m.

VERTICAL ALIGNMENT: L =1064.989 m*, G = R 0.400%; Lvc =25.01 m, R=6260.00

HORIZONTAL ALIGNMENT: R =-7000.00m; Straight =2170.45m *; LS =15.000m; LC =44.48m; LS =15.000m; Straight =532.77m *

CHAINAGE	DIST. BETWEEN EX. IR. TRACK & PROP. DFCC TRACK AS PER DESIGN	FILL HEIGHT (+) / CUT DEPTH (-)	PROPOSED FORMATION LEVEL OF CONNECTING LINE	EXISTING IR FORMATION LEVEL	DFC FORMATION LEVEL OF MAIN LINE	GROUND LEVEL
62+000	14.890	+4.119	26.832	23.537	29.846	22.713
62+020	14.895	+4.199	26.912	23.464	29.946	22.713
62+040	14.897	+4.130	26.992	23.390	30.042	22.854
62+060	14.894	+4.487	27.072	23.416	30.145	22.585
62+080	14.899	+4.486	27.152	23.510	30.246	22.666
62+100	14.958	+4.545	27.232	23.605	30.345	22.687
62+120	15.081	+4.520	27.312	23.679	30.425	22.792
62+140	15.259	+4.471	27.392	23.695	30.505	22.921
62+160	15.440	+4.543	27.471	23.710	30.584	22.828
62+180	15.620	+4.579	27.551	23.725	30.664	22.972
62+200	15.797	+4.648	27.631	23.749	30.744	22.983
62+220	15.971	+4.689	27.711	23.774	30.824	23.032
62+240	16.148	+4.839	27.791	23.800	30.905	22.952
62+260	16.325	+4.960	27.871	23.825	30.985	22.911
62+280	16.496	+4.991	27.951	23.851	31.067	22.960
62+300	16.672	+4.961	28.031	23.876	31.148	23.070
62+320	16.853	+5.015	28.111	23.901	31.231	23.096
62+340	17.058	+5.057	28.191	23.925	31.313	23.134
62+360	17.265	+5.180	28.271	23.945	31.396	23.091
62+380	17.470	+5.120	28.350	23.963	31.478	23.230
62+400	17.621	+5.211	28.430	24.009	31.561	23.219
62+420	17.754	+5.102	28.510	24.063	31.643	23.408
62+440	17.887	+5.281	28.590	24.115	31.726	23.309
62+460	18.036	+5.348	28.670	24.157	31.808	23.322
62+480	18.210	+4.206	28.750	24.185	31.891	24.532
62+500	18.386	+4.342	28.750	24.213	31.973	24.408

SECTIONAL ELEVATION DN LINE

DETAILS OF DIVERSION ROAD	
CHAINAGE	SERVICE ROAD WIDTH
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** SINGLE LANE BITUMINOUS ROAD WITH SHOULDERS AS PER IRC STANDARDS	

DETAILS OF CANAL/ NALA DIVERSION	
CHAINAGE	
FROM	TO
CH. 62+203.693	CH. 62+470.760
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF SAFETY WALL	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF EARTH RETAINING STRUCTURE / REINFORCED SLOPES	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** LENGTH OF RETAINING WALL MAY VARY ACCORDING TO THE TYPE OF DRAIN	

DIVERSION OF OTHER UTILITIES	
CHAINAGE	PARTICULARS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

NKI-RITES
Engineer's Response
NOHO
Name | Signature
Checked P.P
Reviewed
Approved
Authorised
Date 19-12-19
(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

20-12-19 | 20/12/19 | 31-12-19
AGM DR. DY. PM&RWGG. | DY. CPM/BRGG. | CGM/ VADODARA

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative | Date

NOTES:

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. TRACK CENTER BETWEEN DFC AND EXISTING IR TRACK HAS BEEN KEPT AT MINIMUM 9.925M.
3. TRACK CENTER BETWEEN MAIN LINE OF DFC HAS BEEN KEPT AS MINIMUM 6M.
4. PUBLIC UTILITIES, HT/LT LINES, OFC CABLES, WATER/SEWER LINES etc. INTERFERING DFC TRACKS SHALL BE RELOCATED.
5. CHANNEL DIVERSION, PROTECTIONS WORKS AND BRIDGE WORKS ARE INDICATED IN THE GADS OF THE CORRESPONDING BRIDGES.
6. FIRM LINE IS DFC UP PANOLI CONNECTING LINE WHICH HAS BEEN DESIGNED. DOTTED LINE IS FUTURE DFC DOWN PANOLI CONNECTING LINE.
7. CURVE INFORMATION IS SHOWN FOR DFC UP PANOLI CONNECTING LINE ONLY. THESE ARE TO BE READ AND NOT BE MEASURED.
8. FOR DRAINAGE DETAILS SEPARATE DRAWING WILL BE ISSUED.
9. THE STRUCTURE SIZE INDICATED IN PLAN & PROFILE DRAWINGS ARE PRELIMINARY AND FOR INDICATIVE PURPOSE ONLY. FOR THE ACTUAL SIZE OF STRUCTURE REFER RESPECTIVE ~~G.A.DRAWING~~.
10. * SHOWS THE TOTAL LENGTH OF THE DESIGNED ELEMENT.
11. FOR CNS DETAILS PLEASE REFER SEPARATE DRAWING / DOCUMENTS.
12. ALL THE LEVEL ARE WITH RESPECT TO MEAN SEA LEVEL.
13. LOCATION AND SPAN ARRANGEMENT OF BRIDGES / DFC YARD LAYOUT AND NOS. OF TRACKS IN YARD PLAN SHALL BE VERIFIED AS PER FINAL APPROVED DRAWINGS. ANY MODIFICATION OF ALIGNMENT DUE TO ABOVE ITEMS HAS TO BE CARRIED OUT BY THE CONTRACTOR ON HIS OWN COST.
14. FORMATION WIDTH IS INCREASED TO 13.860 METER FROM 13.500 METER AS PER ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
15. ROAD BRIDGE DETAILS REFER RESPECTIVE DRAWING (TO BE ISSUED)
16. ALIGNMENT CONSTRUCTION DRAWINGS ARE BASED ON ALIGNMENT DRAWING 13/AL/DG/ 0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"

REFERENCE DRAWINGS: (LATEST REVISION)

13/AL/DG-1531 .... LEGEND AND ABBREVIATION FOR PLAN AND PROFILE DRAWINGS.
13/AL/DG-1532 .... KEY PLAN FOR PACKAGE-13 SACHIN TO VADODARA

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
F	26-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
E	03-MAY-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1804/2177 (DATED 19-MAR-2019) AND L/OCGC/DFCC/CMT/CTP-13/1805/2543 (DATED 29-MAR-2019)	ACT	SRG	SKP	SKP
D	14-MAR-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1803/1898 (DATED 07-MAR-2019)	ACT	SRG	SKP	SKP
C	19-FEB-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1801/2339 (DATED 20-JAN-2019)	ACT	SRG	SKP	SKP

PROJECT: WESTERN DEDICATED FREIGHT CORRIDOR ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13 PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER: DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC: PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR: EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD. | Itochu | TATA

DESIGNER: STUP Consultants Pvt. Ltd.

TITLE: ALIGNMENT DRAWING PLAN AND PROFILE FOR PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC) FROM 62+000 TO 62+500

JOB NO: 8309 | SIZE A1

	NAME	SIGN
DRWN	ACT	
DSGN	SRG	
CHKD	SKP	
APPD	SKP	

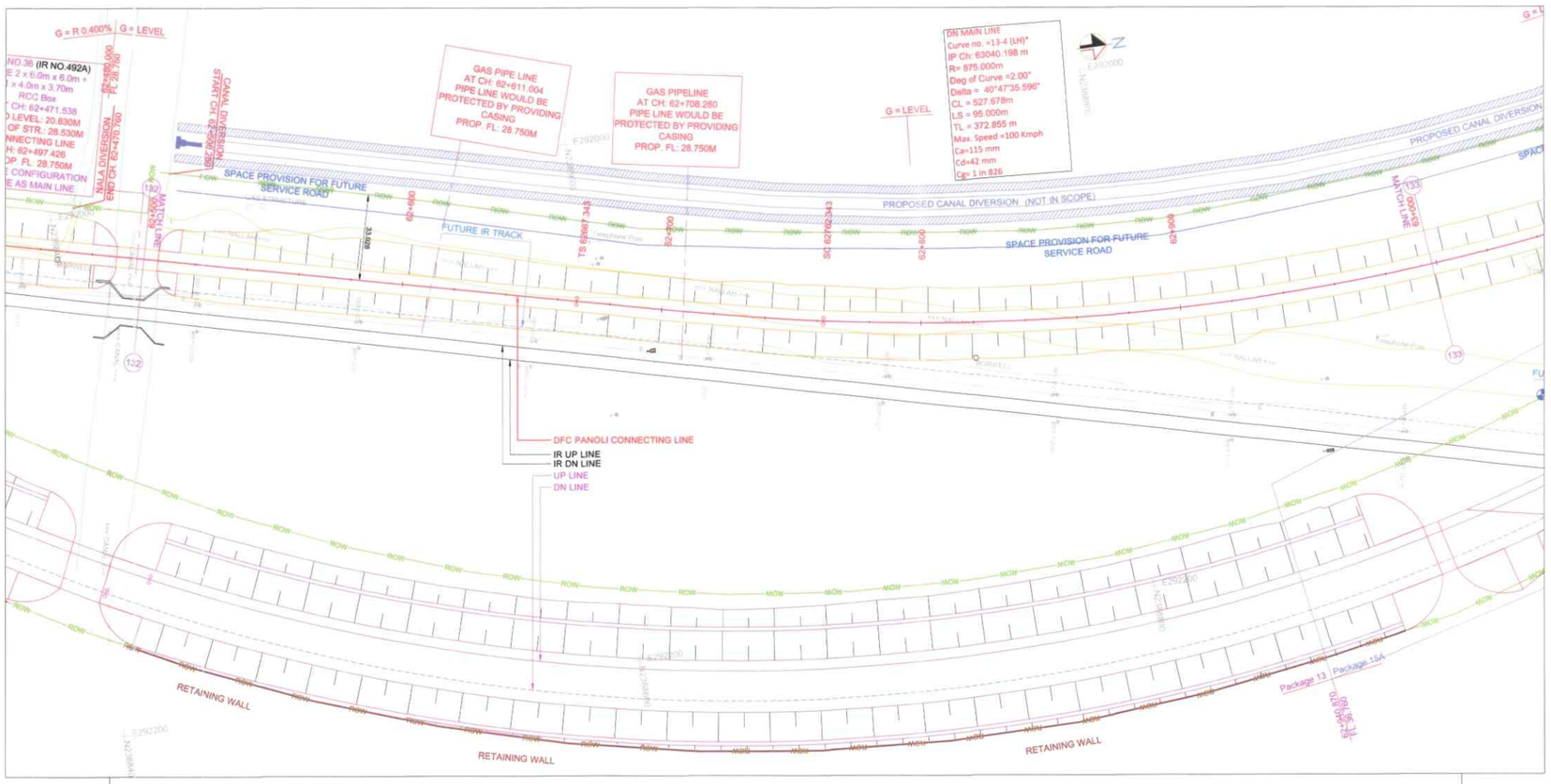
PROJECTION | SCALE H 1:1000 V 1:100

STATUS: ID: (INCEPTION) | TD: (TECHNICAL) | ✓ CD: (CONSTRUCTION) | BD: (AS BUILT)

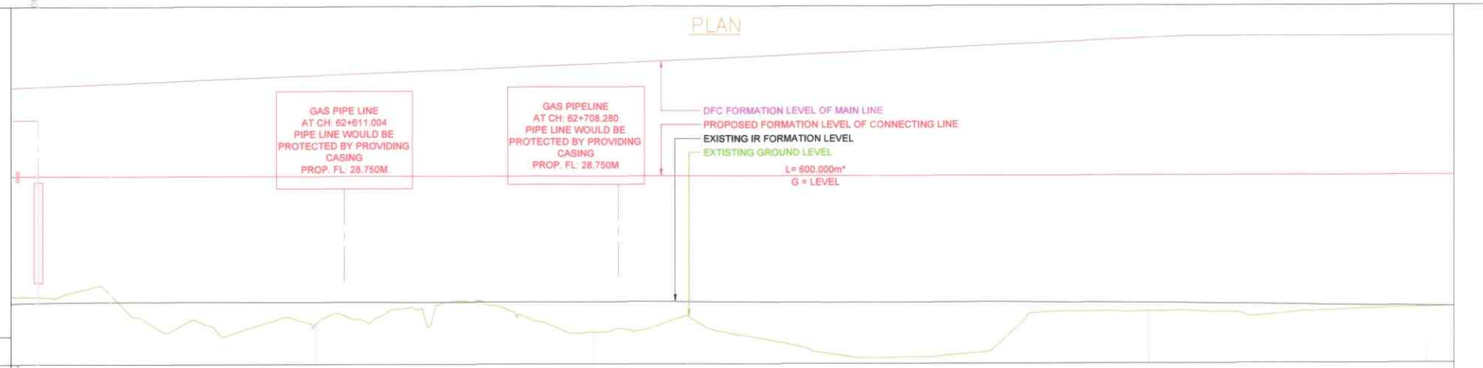
DATE : 19-OCT-2018

DRG. NO. 13/AL/DG/0071 F

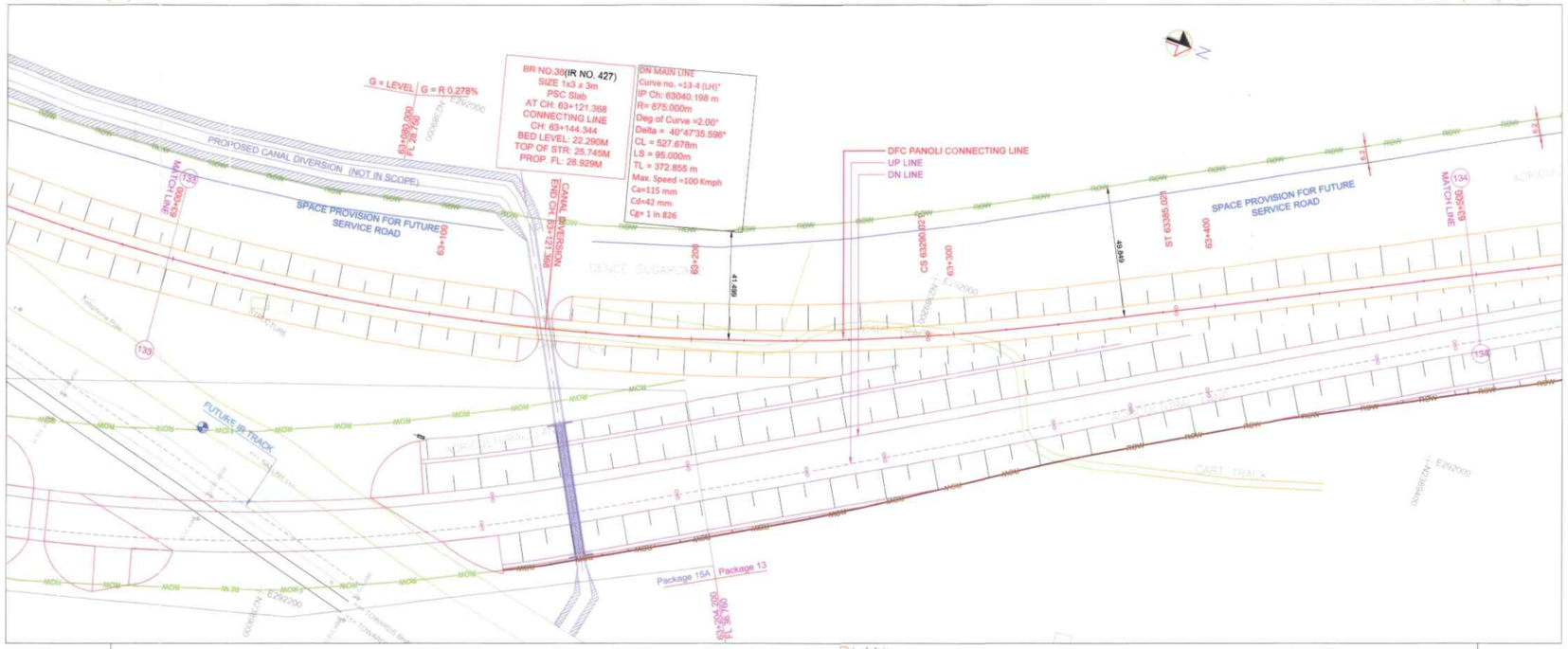
13-AL-0000F1F.dwg


PANOLI (IR)
NEW SANJALI (DFC)
G = R 0.400%
G = LEVEL
NO.36 (IR NO.492A)
E 2 x 6.0m x 6.0m +
x 4.0m x 3.70m
RCC Box
CH: 62+471.538
LEVEL: 20.830M
OF STR.: 28.530M
NNECTING LINE
H: 62+497.426
P. FL: 28.750M
CONFIGURATION
E AS MAIN LINE
NALA DIVERSION
END CH. 62+475.700
CANAL DIVERSION
START CH. 62+506.250
GAS PIPE LINE
AT CH: 62+611.004
PIPE LINE WOULD BE
PROTECTED BY PROVIDING
CASING
PROP. FL: 28.750M
GAS PIPELINE
AT CH: 62+708.280
PIPE LINE WOULD BE
PROTECTED BY PROVIDING
CASING
PROP. FL: 28.750M
DN MAIN LINE
Curve no. =13-4 (LH)*
IP Ch: 63040.198 m
R= 875.000m
Deg of Curve =2.00°
Delta = 40°47'35.596"
CL = 527.678m
LS = 95.000m
TL = 372.855 m
Max. Speed =100 Kmph
Ca=115 mm
Cd=42 mm
Cg= 1 in 826
G = LEVEL
PROPOSED CANAL DIVERSION
SPACE PROVISION FOR FUTURE
SERVICE ROAD
PROPOSED CANAL DIVERSION (NOT IN SCOPE)
FUTURE IR TRACK
SPACE PROVISION FOR FUTURE
SERVICE ROAD
MATCH LINE
DFC PANOLI CONNECTING LINE
IR UP LINE
IR DN LINE
UP LINE
DN LINE
RETAINING WALL
RETAINING WALL
RETAINING WALL
Package 13
Package 15A

PLAN


GAS PIPE LINE
AT CH: 62+611.004
PIPE LINE WOULD BE
PROTECTED BY PROVIDING
CASING
PROP. FL: 28.750M
GAS PIPELINE
AT CH: 62+708.280
PIPE LINE WOULD BE
PROTECTED BY PROVIDING
CASING
PROP. FL: 28.750M
DFC FORMATION LEVEL OF MAIN LINE
PROPOSED FORMATION LEVEL OF CONNECTING LINE
EXISTING IR FORMATION LEVEL
EXTISTING GROUND LEVEL
L= 600.000m*
G = LEVEL

| | | |



PLAN

SECTIONAL ELEVATION DN LINE

DATUM = 19 m.

VERTICAL ALIGNMENT	L =600.000 m* G = LEVEL																			L =724.453 m* G = R 0.278%										
HORIZONTAL ALIGNMENT	R =-875.00m* LC =527.68m																			LS =95.000m									Straight =253.09m *	
DIST. BETWEEN EX. IR. TRACK & PROP. DFCC TRACK AS PER DESIGN	73.133	80.965	89.457	98.569	108.416																									
FILL HEIGHT (+) / CUT DEPTH (-)	+4.743	+4.686	+4.614	+4.597	+4.626	+4.724	+4.652	+4.621	+4.544	+4.652	+4.703	+4.845	+4.855	+5.017	+5.147	+5.096	+4.882	+5.000	+5.318	+5.383	+5.087	+5.501	+5.617	+5.717	+5.645	+5.911				
PROPOSED FORMATION LEVEL OF CONNECTING LINE	28.750	28.750	28.750	28.750	28.750	28.806	28.861	28.917	28.972	29.028	29.084	29.139	29.195	29.251	29.306	29.362	29.417	29.473	29.529	29.584	29.640	29.696	29.751	29.807	29.862	29.918				
EXISTING IR FORMATION LEVEL	24.045	24.020	23.987	23.946	23.892																									
DFC FORMATION LEVEL OF MAIN LINE	33.744	33.744	33.744	33.744	33.744	33.744	33.744	33.744	33.744	33.744	33.744	33.720	33.627	33.527	33.428	33.330	33.233	33.137	33.042	32.947	32.853	32.758	32.664	32.570	32.476	32.381				
GROUND LEVEL	24.007	24.064	24.136	24.153	24.124	24.082	24.209	24.386	24.428	24.378	24.381	24.294	24.340	24.234	24.159	24.266	24.435	24.473	24.211	24.201	24.553	24.195	24.134	24.090	24.217	24.007				
CHAINAGE	63+000	63+020	63+040	63+060	63+080	63+100	63+120	63+140	63+160	63+180	63+200	63+220	63+240	63+260	63+280	63+300	63+320	63+340	63+360	63+380	63+400	63+420	63+440	63+460	63+480	63+500				

DETAILS OF DIVERSION ROAD	
CHAINAGE	SERVICE ROAD WIDTH
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** SINGLE LANE BITUMINOUS ROAD WITH SHOULDERS AS PER IRC STANDARDS	

DETAILS OF CANAL/ NALA DIVERSION	
CHAINAGE	
FROM	TO
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF SAFETY WALL	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF EARTH RETAINING STRUCTURE / REINFORCED SLOPES	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** LENGTH OF RETAINING WALL MAY VARY ACCORDING TO THE TYPE OF DRAIN	

DIVERSION OF OTHER UTILITIES	
CHAINAGE	PARTICULARS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

PMC-2R OCG-OCI-NK-NKI-RITES
Engineer's Response
NONO
Checked: P.P
Date: 19-12-19

(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

APWOR DY. PWE(NG). | DY. CE(NG). | CGM VADODARA

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCL - CTP-13
Contractor's Representative | Date:

NOTES:

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. TRACK CENTER BETWEEN DFC AND EXISTING IR TRACK HAS BEEN KEPT AT MINIMUM 9.925M.
3. TRACK CENTER BETWEEN MAIN LINE OF DFC HAS BEEN KEPT AS MINIMUM 6M.
4. PUBLIC UTILITIES, HT/LT LINES. OFC CABLES, WATER/SEWER LINES etc. INTERFERING DFC TRACKS SHALL BE RELOCATED.
5. CHANNEL DIVERSION. PROTECTIONS WORKS AND BRIDGE WORKS ARE INDICATED IN THE GADS OF THE CORRESPONDING BRIDGES.
6. FIRM LINE IS DFC UP PANOLI CONNECTING LINE WHICH HAS BEEN DESIGNED. DOTTED LINE IS FUTURE DFC DOWN PANOLI CONNECTING LINE.
7. CURVE INFORMATION IS SHOWN FOR DFC UP PANOLI CONNECTING LINE ONLY. THESE ARE TO BE READ AND NOT BE MEASURED.
8. FOR DRAINAGE DETAILS SEPARATE DRAWING WILL BE ISSUED.
9. THE STRUCTURE SIZE INDICATED IN PLAN & PROFILE DRAWINGS ARE PRELIMINARY AND FOR INDICATIVE PURPOSE ONLY. FOR THE ACTUAL SIZE OF STRUCTURE REFER RESPECTIVE G.A.DRAWING.
10. * SHOWS THE TOTAL LENGTH OF THE DESIGNED ELEMENT
11. FOR CNS DETAILS PLEASE REFER SEPARATE DRAWING / DOCUMENTS.
12. ALL THE LEVEL ARE WITH RESPECT TO MEAN SEA LEVEL.
13. LOCATION AND SPAN ARRANGEMENT OF BRIDGES / DFC YARD LAYOUT AND NOS. OF TRACKS IN YARD PLAN SHALL BE VERIFIED AS PER FINAL APPROVED DRAWINGS. ANY MODIFICATION OF ALIGNMENT DUE TO ABOVE ITEMS HAS TO BE CARRIED OUT BY THE CONTRACTOR ON HIS OWN COST.
14. FORMATION WIDTH IS INCREASED TO 13.860 METER FROM 13.500 METER AS PER ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
15. ROAD BRIDGE DETAILS REFER RESPECTIVE DRAWING (TO BE ISSUED)
16. ALIGNMENT CONSTRUCTION DRAWINGS ARE BASED ON ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1908/25094 (DATED 07-JUNE-2019)"

REFERENCE DRAWINGS: (LATEST REVISION)

13/AL/DG-1531 .... LEGEND AND ABBREVIATION FOR PLAN AND PROFILE DRAWINGS.
13/AL/DG-1532 .... KEY PLAN FOR PACKAGE-13 SACHIN TO VADODARA

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
G	25-OCT-19	REVISED AS PER VALIDATED ROW	ACT	SRG	SKP	SKP
F	26-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
E	23-MAY-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25047 DATED 19-MAY-2019 AND L/OCGC/DFCC/CMT/CTP-13/1903/2842 DATED 28-MAR-2019	ACT	SRG	SKP	SKP
D	14-MAR-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1903/2688 DATED 07-MAR-2019.	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD. | TATA

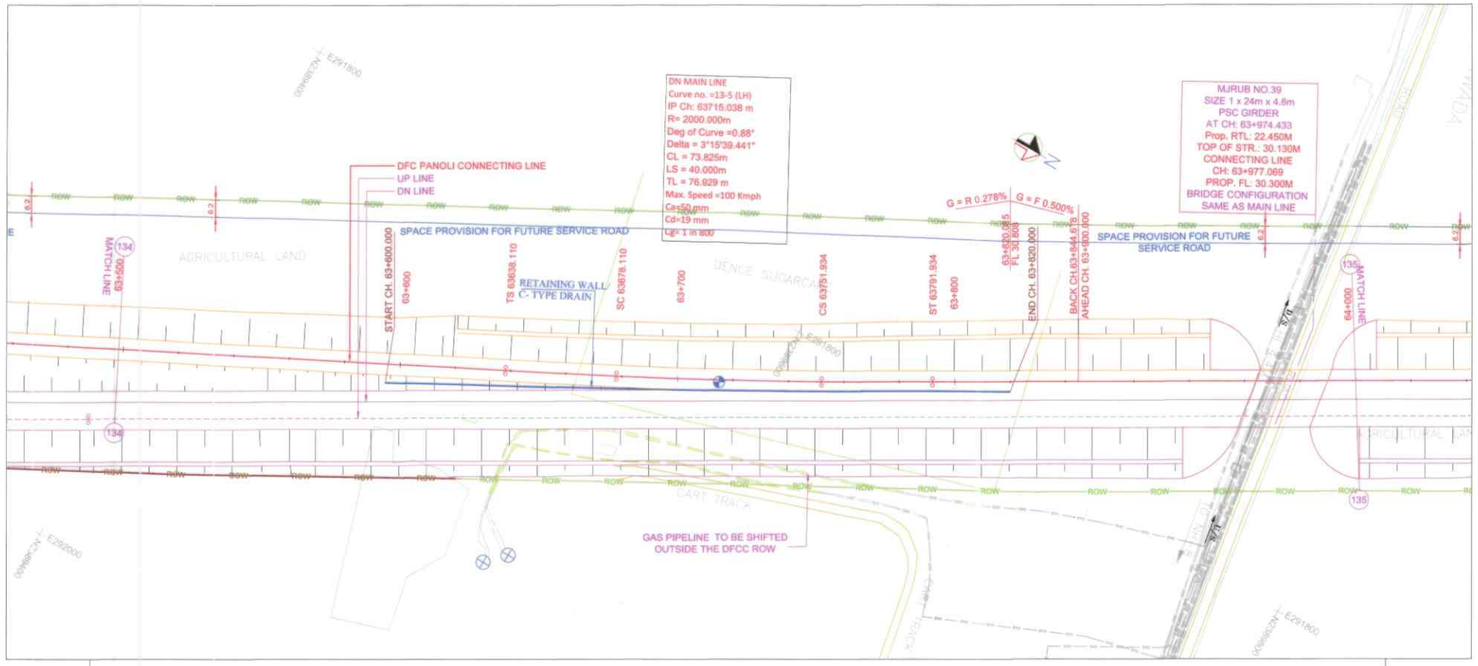
DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
ALIGNMENT DRAWING PLAN AND PROFILE FOR PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC) FROM 63+000 TO 63+500

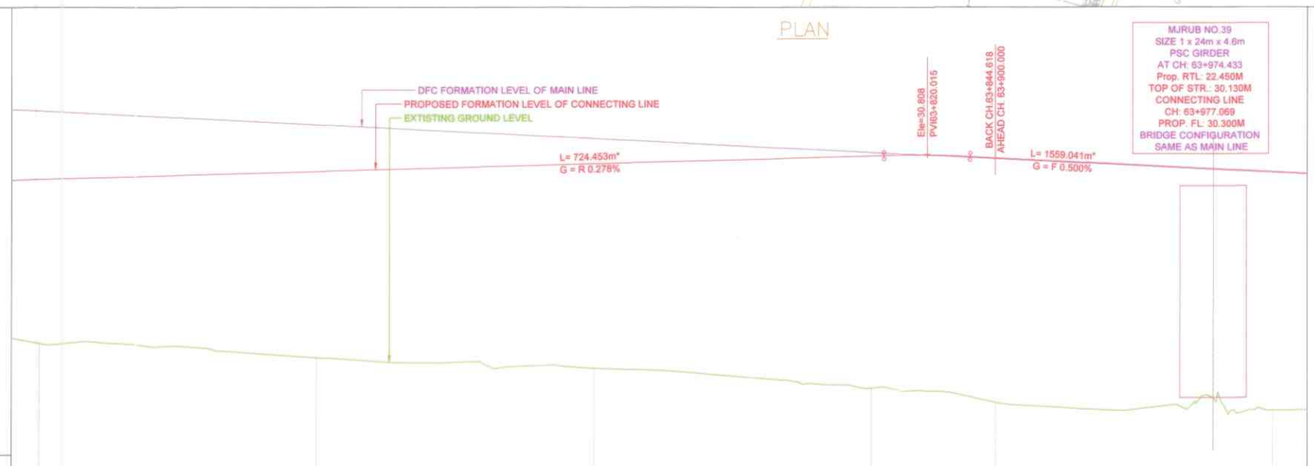
JOB NO: 8309			SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT			TD: (TECHNICAL)
DSGN	SRG			CD: (CONSTRUCTION) ✓
CHKD	SKP		SCALE	BD: (AS BUILT)
APPD	SKP		H 1:1000 V 1:100	DATE : 19-OCT-2018

DRG. NO. 13/AL/DG/0073 G

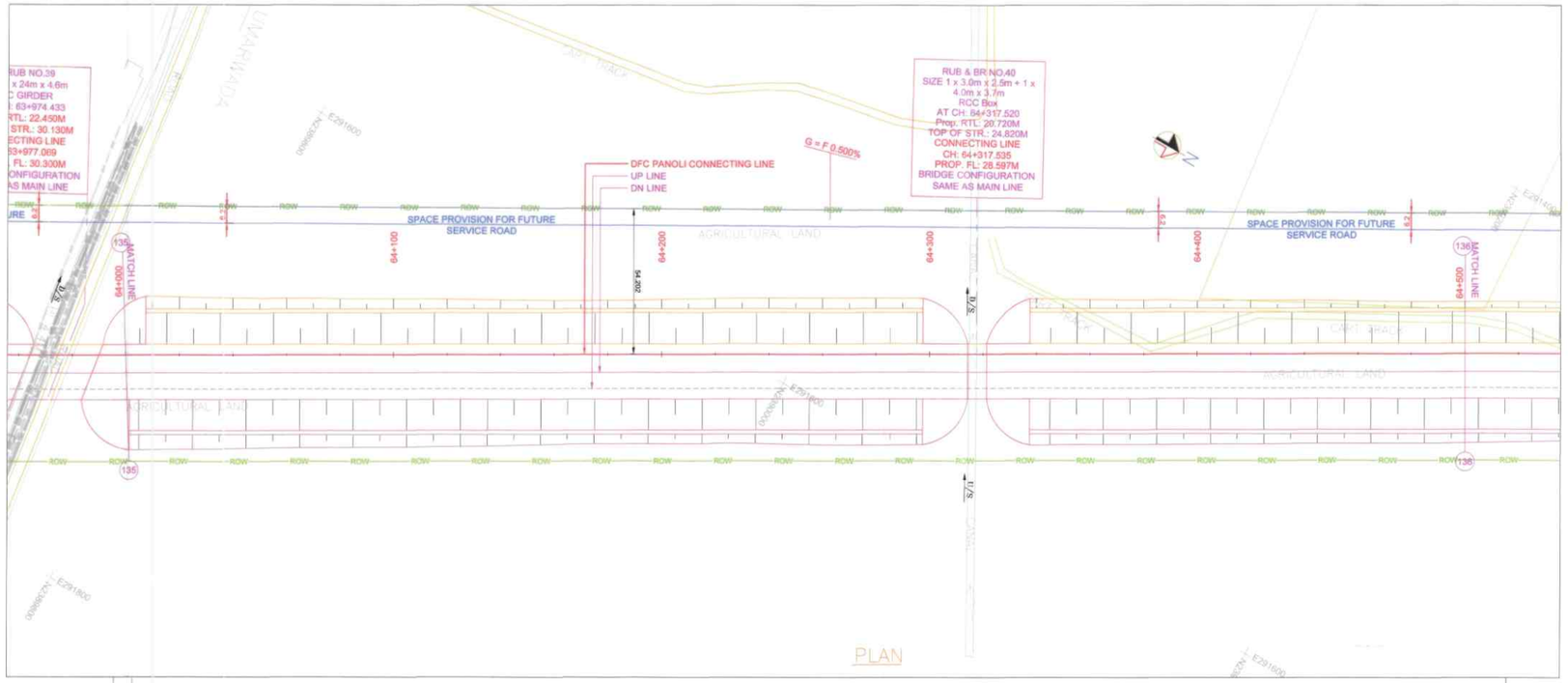
13-AL-0000730.dwg

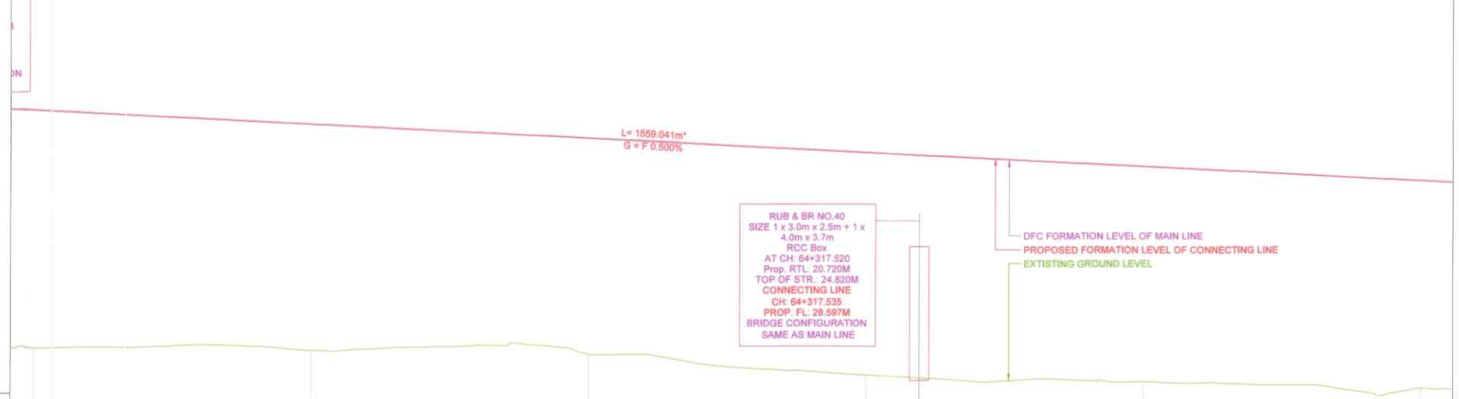


PLAN



| DATUM = 19 m. | | |





DATUM = 19 m.

VERTICAL ALIGNMENT	L =1559.041 m* G = F 0.500%																																		
HORIZONTAL ALIGNMENT	Straight =1615.00m *																																		
DIST. BETWEEN EX. IR. TRACK & PROP. DFCC TRACK AS PER DESIGN																																			
FILL HEIGHT (+) / CUT DEPTH (-)	-8.571	-8.434	-8.316	-8.143	-8.093	-8.135	-8.006	-7.821	-7.656	-7.542	-7.773	-7.683	-7.910	-7.971	-7.974	-7.999	-8.003	-8.048	-7.852	-7.804	-7.747	-7.869	-7.652	-7.565	-7.706	-7.478
PROPOSED FORMATION LEVEL OF CONNECTING LINE	30.185	30.085	29.985	29.885	29.785	29.685	29.585	29.485	29.385	29.285	29.185	29.085	28.985	28.885	28.785	28.685	28.585	28.485	28.385	28.285	28.185	28.085	27.985	27.885	27.785	27.685
EXISTING IR FORMATION LEVEL																										
DFC FORMATION LEVEL OF MAIN LINE	30.155	30.055	29.955	29.855	29.755	29.655	29.555	29.455	29.355	29.255	29.155	29.055	28.955	28.855	28.755	28.655	28.555	28.455	28.355	28.255	28.155	28.055	27.955	27.855	27.755	27.655
GROUND LEVEL	21.614	21.651	21.699	21.742	21.682	21.550	21.578	21.684	21.729	21.743	21.412	21.402	21.075	20.914	20.811	20.686	20.582	20.437	20.533	20.481	20.438	20.398	20.333	20.300	20.079	20.209
CHAINAGE	64+000	64+020	64+040	64+060	64+080	64+100	64+120	64+140	64+160	64+180	64+200	64+220	64+240	64+260	64+280	64+300	64+320	64+340	64+360	64+380	64+400	64+420	64+440	64+460	64+480	64+500

SECTIONAL ELEVATION ON LINE

DETAILS OF DIVERSION ROAD	
CHAINAGE	SERVICE ROAD WIDTH
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** SINGLE LANE BITUMINOUS ROAD WITH SHOULDERS AS PER IRC STANDARDS	

DETAILS OF CANAL/ NALA DIVERSION	
CHAINAGE	
FROM	TO
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF SAFETY WALL	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF EARTH RETAINING STRUCTURE / REINFORCED SLOPES	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** LENGTH OF RETAINING WALL MAY VARY ACCORDING TO THE TYPE OF DRAIN	

DIVERSION OF OTHER UTILITIES	
CHAINAGE	PARTICULARS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

NOTES:

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. TRACK CENTER BETWEEN DFC AND EXISTING IR TRACK HAS BEEN KEPT AT MINIMUM 9.925M.
3. TRACK CENTER BETWEEN MAIN LINE OF DFC HAS BEEN KEPT AS MINIMUM 6M.
4. PUBLIC UTILITIES, HT/LT LINES, OFC CABLES, WATER/SEWER LINES etc. INTERFERING DFC TRACKS SHALL BE RELOCATED.
5. CHANNEL DIVERSION, PROTECTIONS WORKS AND BRIDGE WORKS ARE INDICATED IN THE GADS OF THE CORRESPONDING BRIDGES.
6. FIRM LINE IS DFC UP PANOLI CONNECTING LINE WHICH HAS BEEN DESIGNED. DOTTED LINE IS FUTURE DFC DOWN PANOLI CONNECTING LINE.
7. CURVE INFORMATION IS SHOWN FOR DFC UP PANOLI CONNECTING LINE ONLY. THESE ARE TO BE FIXED AND NOT BE MEASURED.
8. FOR DRAINAGE DETAILS SEPARATE DRAWING WILL BE ISSUED.
9. THE STRUCTURE SIZE INDICATED IN PLAN & PROFILE DRAWINGS ARE PRELIMINARY AND FOR INDICATIVE PURPOSE ONLY. FOR THE ACTUAL SIZE OF STRUCTURE REFER RESPECTIVE G.A. DRAWING.
10. * SHOWS THE TOTAL LENGTH OF THE DESIGNED ELEMENT
11. FOR CNS DETAILS PLEASE REFER SEPARATE DRAWING / DOCUMENTS.
12. ALL THE LEVEL ARE WITH RESPECT TO MEAN SEA LEVEL.
13. LOCATION AND SPAN ARRANGEMENT OF BRIDGES / SFC YARD LAYOUT AND NOS. OF TRACKS IN YARD PLAN SHALL BE VERIFIED AS PER FINAL APPROVED DRAWINGS. ANY MODIFICATION OF ALIGNMENT DUE TO ABOVE ITEMS HAS TO BE CARRIED OUT BY THE CONTRACTOR ON HIS OWN COST.
14. FORMATION WIDTH IS INCREASED TO 13.860 METER FROM 13.500 METER AS PER ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
15. ROAD BRIDGE DETAILS REFER RESPECTIVE DRAWING (TO BE ISSUED)
16. ALIGNMENT CONSTRUCTION DRAWINGS ARE BASED ON ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NOW OC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"

REFERENCE DRAWINGS: (LATEST REVISION)

13/AL/DG-1531 .... LEGEND AND ABBREVIATION FOR PLAN AND PROFILE DRAWINGS.

13/AL/DG-1532 .... KEY PLAN FOR PACKAGE-13 SACHIN TO VADODARA

PMC-2R OCG-OCI-NK-NKI-RITES
Engineer's Response
NONO
Checked P.P
19-12-19
(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

APM OR DY. PM/ENGG. — DY. CPM/ENGG. — CGM/ VADODARA — 31-12-19

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative — Date

NO	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
G	25-OCT-19	REVISED AS PER WASHBARED ROW	ACT	SRG	SKP	SKP
F	26-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
E	03-MAY-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1703/2542 DATED 18-MARCH-2019	ACT	SRG	SKP	SKP
D	14-MAR-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1502/2499 DATED 07-MAR-2019	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION — SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG - OCI - NK - NKI - RITES
OCG CONSORTIUM

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
APITHLA & L.L.L., CTRL — TATA

DESIGNER
STUP Consultants Pvt. Ltd.

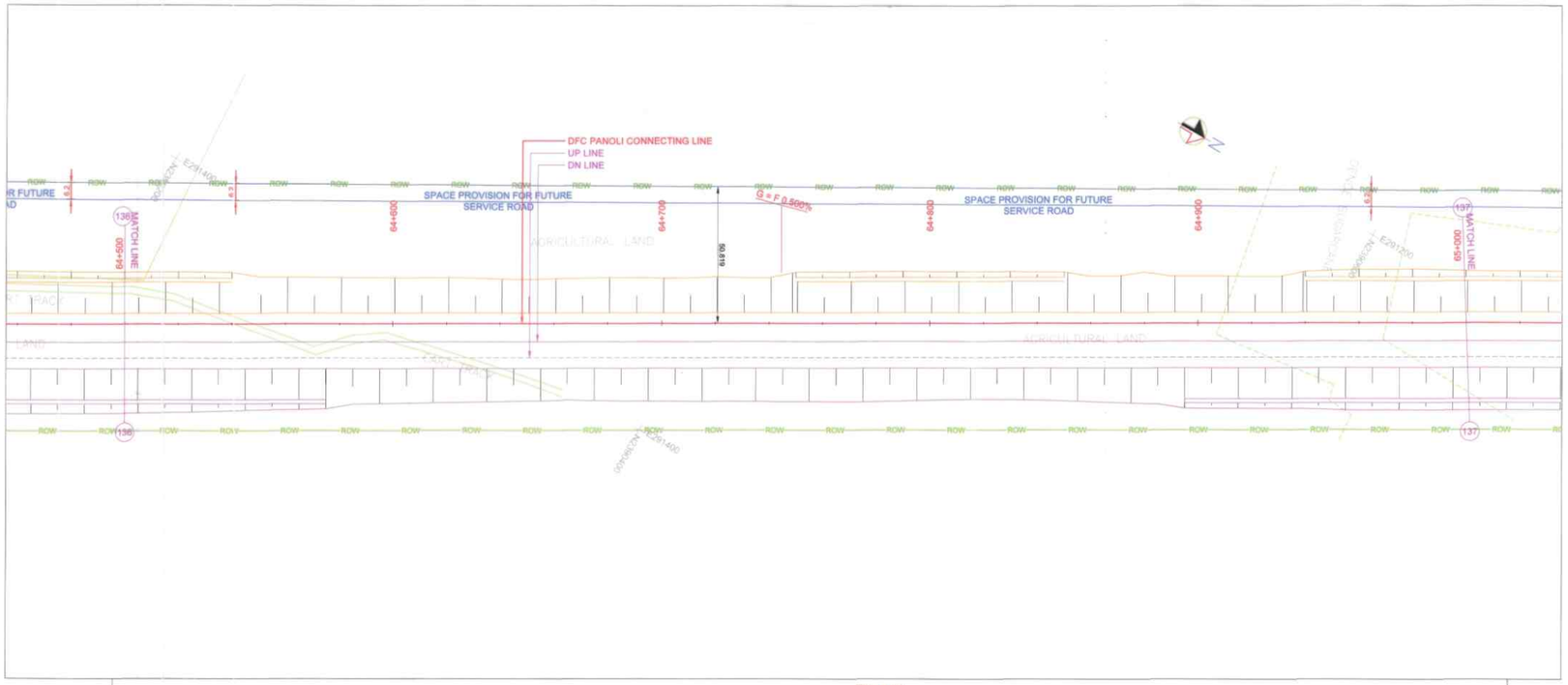
TITLE
ALIGNMENT DRAWING PLAN AND PROFILE FOR PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC) FROM 64+000 TO 64+500

JOB NO: 8309			SIZE A1	STATUS
	NAME	SIGN	PROJECTION	ID: (INCEPTION)
DRWN	ACT	ACT		TD: (TECHNICAL)
DSGN	SRG	SRG		CD: (CONSTRUCTION)
CHKD	SKP	SKP	SCALE	BD: (AS BUILT)
APPD	SKP	SKP	H 1:1000 V 1:100	DATE : 19-OCT-2018

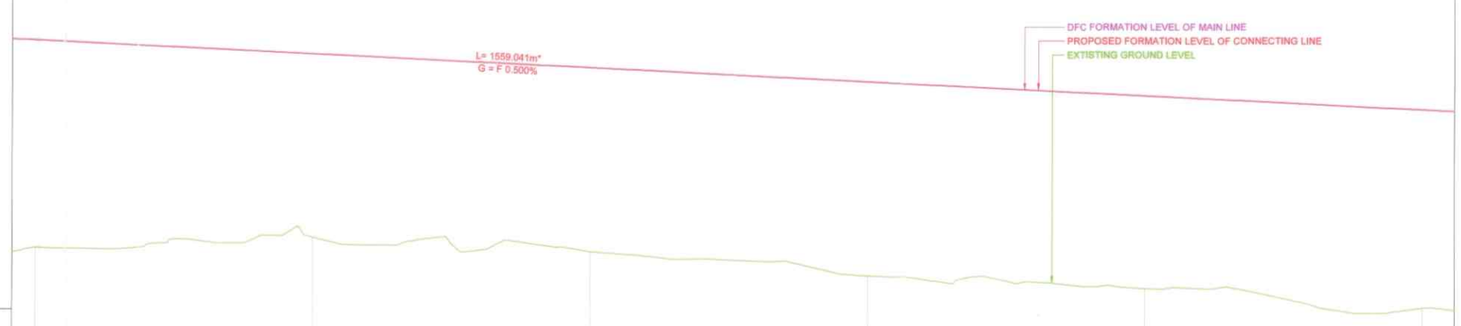
DRG. NO. 13/AL/DG/0075 G

← PANOLI (IR)

NEW SANJALI (DFC) →



PLAN



DATUM = 17 m.	
VERTICAL ALIGNMENT	L =1559.041 m* G = F 0.500%
HORIZONTAL ALIGNMENT	Straight =1615.00m *
DIST. BETWEEN EX. IR. TRACK & PROP. DFCC TRACK AS PER DESIGN	
FILL HEIGHT (+) / CUT DEPTH (-)	7.478, 7.422, 7.173, 6.952, 6.708, 6.597, 6.794, 6.464, 6.770, 6.460, 6.621, 6.693, 6.680, 6.655, 6.764, 6.979, 7.007, 6.805, 6.900, 6.871, 6.935, 6.834, 6.893, 7.235, 7.416, 7.150
PROPOSED FORMATION LEVEL OF CONNECTING LINE	27.685, 27.585, 27.485, 27.385, 27.285, 27.185, 27.085, 26.985, 26.885, 26.785, 26.685, 26.585, 26.485, 26.385, 26.285, 26.185, 26.085, 25.985, 25.885, 25.785, 25.685, 25.585, 25.485, 25.385, 25.285, 25.185
EXISTING IR FORMATION LEVEL	
DFC FORMATION LEVEL OF MAIN LINE	27.555, 27.555, 27.455, 27.355, 27.255, 27.155, 27.055, 26.955, 26.855, 26.755, 26.655, 26.555, 26.455, 26.355, 26.255, 26.155, 26.055, 25.955, 25.855, 25.755, 25.655, 25.555, 25.455, 25.355, 25.255, 25.155
GROUND LEVEL	20.209, 20.183, 20.312, 20.433, 20.577, 20.888, 20.391, 20.821, 20.115, 20.329, 20.094, 19.992, 19.805, 19.730, 19.501, 19.206, 19.078, 19.180, 19.185, 18.814, 18.750, 18.751, 18.592, 18.150, 17.867, 18.035
CHAINAGE	64+500, 64+520, 64+540, 64+560, 64+580, 64+600, 64+620, 64+640, 64+660, 64+680, 64+700, 64+720, 64+740, 64+760, 64+780, 64+800, 64+820, 64+840, 64+860, 64+880, 64+900, 64+920, 64+940, 64+960, 64+980, 65+000

SECTIONAL ELEVATION DN LINE

DETAILS OF DIVERSION ROAD	
CHAINAGE	SERVICE ROAD WIDTH
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** SINGLE LANE BITUMINOUS ROAD WITH SHOULDERS AS PER IRC STANDARDS	

DETAILS OF CANAL/ NALA DIVERSION	
CHAINAGE	
FROM	TO
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF SAFETY WALL	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF EARTH RETAINING STRUCTURE / REINFORCED SLOPES	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** LENGTH OF RETAINING WALL MAY VARY ACCORDING TO THE TYPE OF DRAIN	

DIVERSION OF OTHER UTILITIES	
CHAINAGE	PARTICULARS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

PMC-2R OCG-OCI-NK-NKI-RITES
Engineer's Response
NONO
P.P
19-12-19
(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

DY. CPM/ENGG. | CGM / VADODARA

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCIL - CTP-13
Contractor's Representative | Date

NOTES:

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. TRACK CENTER BETWEEN DFC AND EXISTING IR TRACK HAS BEEN KEPT AT MINIMUM 9.925M.
3. TRACK CENTER BETWEEN MAIN LINE OF DFC HAS BEEN KEPT AS MINIMUM 6M.
4. PUBLIC UTILITIES, HT/LT LINES, OFC CABLES, WATER/SEWER LINES etc. INTERFERING DFC TRACKS SHALL BE RELOCATED.
5. CHANNEL DIVERSION, PROTECTIONS WORKS AND BRIDGE WORKS ARE INDICATED IN THE GADS OF THE CORRESPONDING BRIDGES.
6. FIRM LINE IS DFC UP PANOLI CONNECTING LINE WHICH HAS BEEN DESIGNED. DOTTED LINE IS FUTURE DFC DOWN PANOLI CONNECTING LINE.
7. CURVE INFORMATION IS SHOWN FOR DFC UP PANOLI CONNECTING LINE ONLY. THESE ARE TO BE READ AND NOT BE MEASURED.
8. FOR DRAINAGE DETAILS SEPARATE DRAWING WILL BE ISSUED.
9. THE STRUCTURE SIZE INDICATED IN PLAN & PROFILE DRAWINGS ARE PRELIMINARY AND FOR INDICATIVE PURPOSE ONLY. FOR THE ACTUAL SIZE OF STRUCTURE REFER RESPECTIVE G.A.DRAWING.
10. * SHOWS THE TOTAL LENGTH OF THE DESIGNED ELEMENT
11. FOR CNS DETAILS PLEASE REFER SEPARATE DRAWING / DOCUMENTS.
12. ALL THE LEVEL ARE WITH RESPECT TO MEAN SEA LEVEL.
13. LOCATION AND SPAN ARRANGEMENT OF BRIDGES / DFC YARD LAYOUT AND NOS. OF TRACKS IN YARD PLAN SHALL BE VERIFIED AS PER FINAL APPROVED DRAWINGS. ANY MODIFICATION OF ALIGNMENT DUE TO ABOVE ITEMS HAS TO BE CARRIED OUT BY THE CONTRACTOR ON HIS OWN COST.
14. FORMATION WIDTH IS INCREASED TO 13.860 METER FROM 13.500 METER AS PER ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
15. ROAD BRIDGE DETAILS REFER RESPECTIVE DRAWING (TO BE ISSUED)
16. ALIGNMENT CONSTRUCTION DRAWINGS ARE BASED ON ALIGNMENT DRAWING 13/AL/DG/0061E TO 0076E (MOD) RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1908/25094 (DATED 07-JUNE-2019)"

REFERENCE DRAWINGS: (LATEST REVISION)

13/AL/DG-1531 ..... LEGEND AND ABBREVIATION FOR PLAN AND PROFILE DRAWINGS.
13/AL/DG-1532 ..... KEY PLAN FOR PACKAGE-13 SACHIN TO VADODARA

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
G	25-OCT-19	REVISED AS PER VALIDATED ROW	ACT	SRG	SKP	SKP
F	26-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
E	03-MAY-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1910/2542 (DATED 01-MAR-2019)	ACT	SRG	SKP	SKP
D	14-MAR-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1910/1769 (DATED 07-MAR-2019)	ACT	SRG	SKP	SKP

PROJECT: WESTERN DEDICATED FREIGHT CORRIDOR ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13 PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION | SEAL & SIGN

EMPLOYER: DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC: PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG CONSORTIUM: OCG - OCI - NK - NKI - RITES

CONTRACTOR: EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD. | TATA

DESIGNER: STUP Consultants Pvt. Ltd.

TITLE: ALIGNMENT DRAWING PLAN AND PROFILE FOR PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC) FROM 64+500 TO 65+000

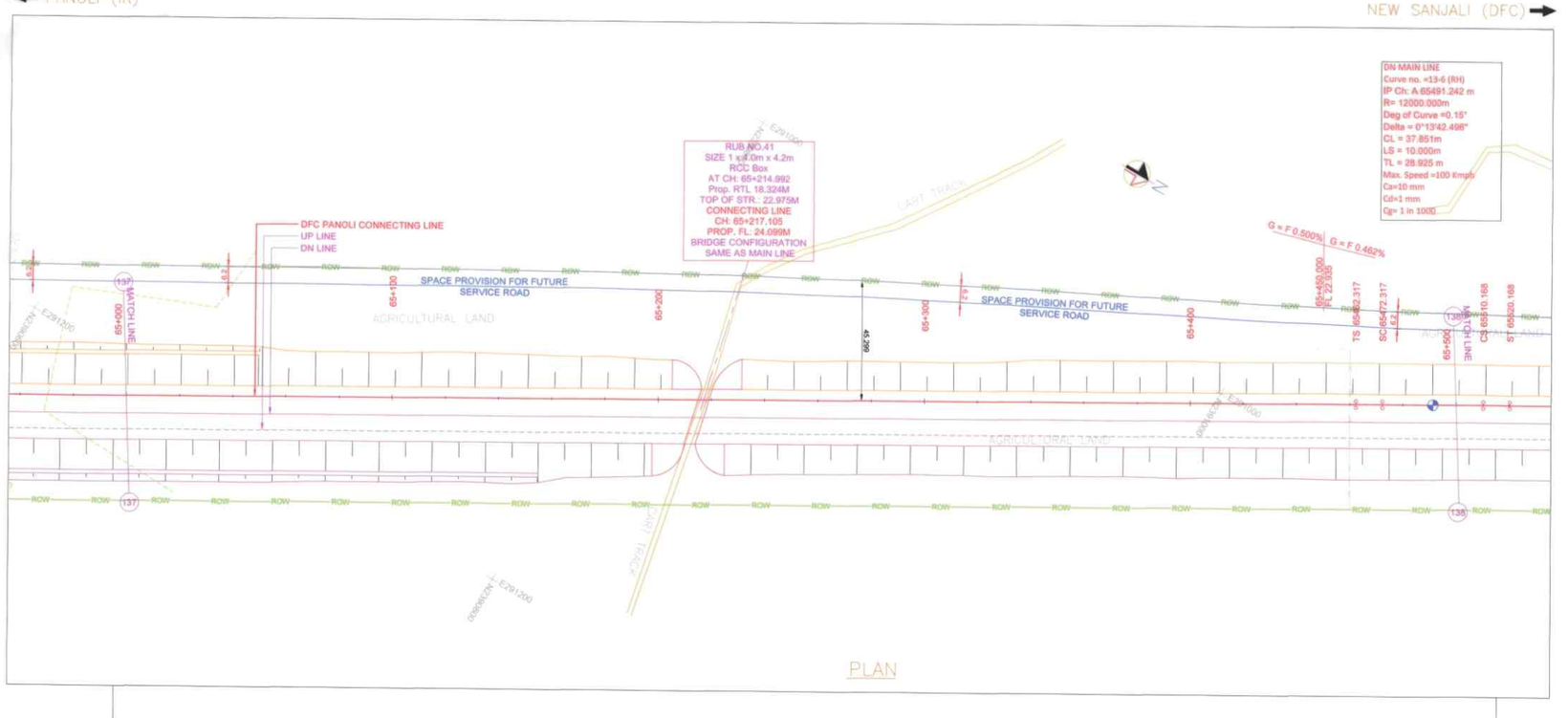
	NAME	SIGN
DRWN	ACT	
DSGN	SRG	
CHKD	SKP	
APPD	SKP	

JOB NO: 8309 | SIZE: A1 | PROJECTION | SCALE: H 1:1000 V 1:100

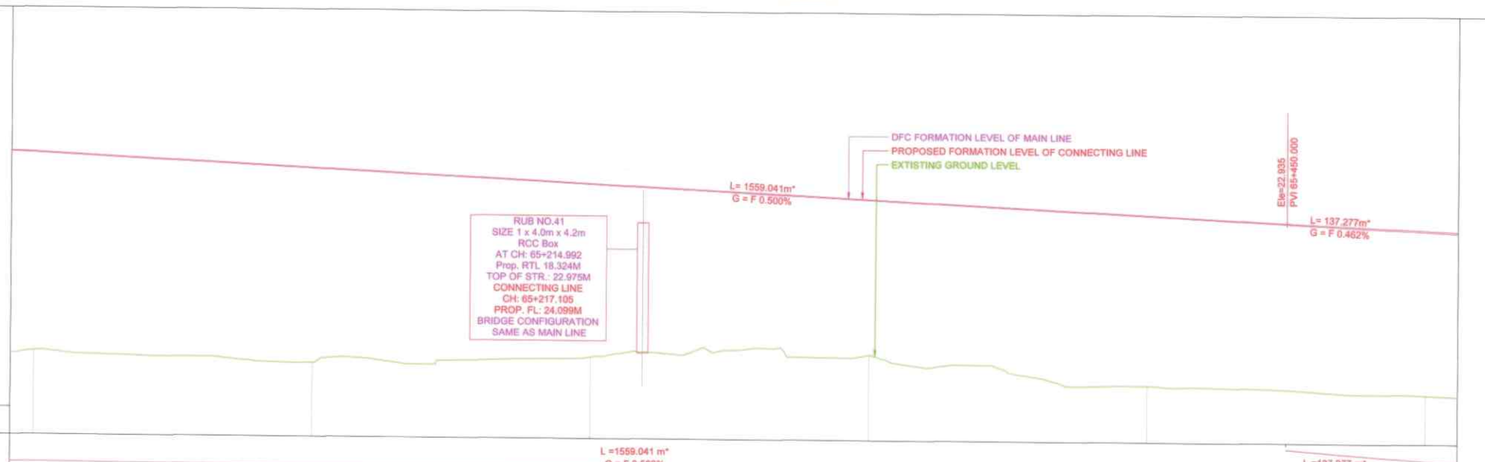
STATUS: IDI: (INCEPTION) | TDI: (TECHNICAL) | CDI: (CONSTRUCTION) ✓ | BDI: (AS BUILT)

DATE : 19-OCT-2018

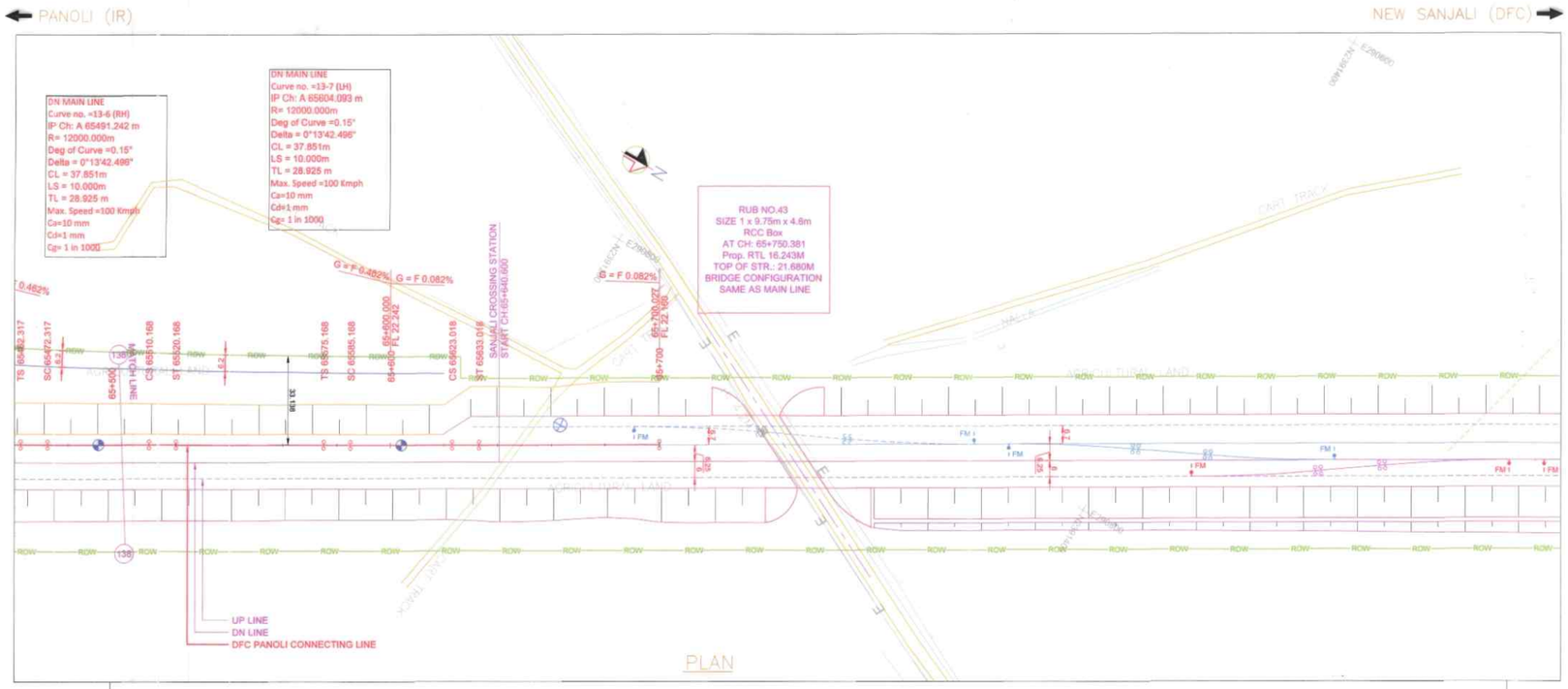
DRG. NO. 13/AL/DG/0076 G

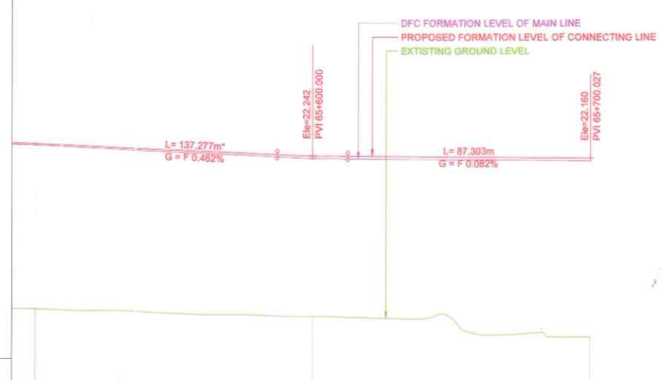

PANOLI (IR)
NEW SANJALI (DFC)
DN MAIN LINE
Curve no. =13-6 (RH)
IP Ch: A 65491.242 m
R= 12000.000m
Deg of Curve =0.15°
Delta = 0°13'42.498"
CL = 37.851m
LS = 10.000m
TL = 28.925 m
Max. Speed =100 Kmph
Ca=10 mm
Cd=1 mm
Cg= 1 in 1000
RUB NO.41
SIZE 1 x 4.0m x 4.2m
RCC Box
AT CH: 65+214.992
Prop. RTL 18.324M
TOP OF STR.: 22.975M
CONNECTING LINE
CH: 65+217.105
PROP. FL: 24.099M
BRIDGE CONFIGURATION
SAME AS MAIN LINE
DFC PANOLI CONNECTING LINE
UP LINE
DN LINE
SPACE PROVISION FOR FUTURE SERVICE ROAD
SPACE PROVISION FOR FUTURE SERVICE ROAD
AGRICULTURAL LAND
AGRICULTURAL LAND
AGRICULTURAL LAND
MATCH LINE
MATCH LINE
G = F 0.500%
G = F 0.462%
65+000
65+100
65+200
65+300
65+400
65+500
65+600
65+409.000
Ele=22.935
TS 65+372.317
SC 65+472.317
CS 65+510.168
ST 65+520.168
45.299
137
138

PLAN


DFC FORMATION LEVEL OF MAIN LINE
PROPOSED FORMATION LEVEL OF CONNECTING LINE
EXTISTING GROUND LEVEL
L= 1559.041m*
G = F 0.500%
L= 137.277m*
G = F 0.462%
Ele=22.935
PVI 65+450.000
RUB NO.41
SIZE 1 x 4.0m x 4.2m
RCC Box
AT CH: 65+214.992
Prop. RTL 18.324M
TOP OF STR.: 22.975M
CONNECTING LINE
CH: 65+217.105
PROP. FL: 24.099M
BRIDGE CONFIGURATION
SAME AS MAIN LINE

| | | |





DATUM = 14 m.														
VERTICAL ALIGNMENT				L =137.277 m* G = F 0.462%		Lvc =25.45 m R=-6700.00				L =87.303 m G = F 0.082%				
HORIZONTAL ALIGNMENT	00.00m 7.85m	LS =10.000m		Straight =55.00m *		LS =10.000m	R =-12000.00m LC =37.85m	LS =10.000m		Straight =67.00m *				
DIST. BETWEEN EX. IR. TRACK & PROP. DFCC TRACK AS PER DESIGN														
FILL HEIGHT (+) / CUT DEPTH (-)	-5.944	-5.909	-5.853	-5.875	-5.796	-5.767	-5.805	-5.816	-5.963	-6.300	-6.422			
PROPOSED FORMATION LEVEL OF CONNECTING LINE	22.704	22.612	22.519	22.427	22.334	22.254	22.226	22.209	22.193	22.177	22.160			
EXISTING IR FORMATION LEVEL														
DFC FORMATION LEVEL OF MAIN LINE	22.655	22.555	22.455	22.355	22.255	22.162	22.126	22.109	22.093	22.077	22.060			
GROUND LEVEL	16.760	16.703	16.666	16.652	16.638	16.487	16.421	16.383	16.830	15.877	15.738			
CHAINAGE	65+500	65+520	65+540	65+560	65+580	65+600	65+620	65+640	65+660	65+680	65+700	65+720	65+740	65+750

SECTIONAL ELEVATION DN LINE

DETAILS OF DIVERSION ROAD	
CHAINAGE	SERVICE ROAD WIDTH
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** SINGLE LANE BITUMINOUS ROAD WITH SHOULDERS AS PER IRC STANDARDS	

DETAILS OF CANAL/ NALA DIVERSION	
CHAINAGE	
FROM	TO
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF SAFETY WALL	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

LOCATION OF EARTH RETAINING STRUCTURE / REINFORCED SLOPES	
IR SIDE / LHS	COUNTRY SIDE / RHS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
NOTE: ** LENGTH OF RETAINING WALL MAY VARY ACCORDING TO THE TYPE OF DRAIN	

DIVERSION OF OTHER UTILITIES	
CHAINAGE	PARTICULARS
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A
N/A	N/A

PMC-2R OCG-OCI-NK-NKI-RITES
Contractor/Sub Cont. Ref. No. Date
Lt. Ref. No.
Engineer's Response
NO/NO
Name Signature
Checked P.P
Endorsed
Authorised Signatory
Date 19-12-19

(NAVEEN CHOPRA)
Alignment Engineer
PMC -2R (OCG Consortium)
For 'The Engineer' for WDFC Phase -2

APM OR DY. PM/ENGG.	DY. CPM/ENGG.	CPM/ VADODARA
	19.12.19	21.12.19

N. RAMAKRISHNA RAJU
Chief Design Engineer

S.K. PATHAK
AUTHORISED REPRESENTATIVE

GOOD FOR CONSTRUCTION
EXPRESS FREIGHT CONSORTIUM
WDFCCL - CSP-13
Contractor's Representative Date

NOTES:

1. ALL DIMENSIONS ARE IN METER UNLESS OTHERWISE STATED.
2. TRACK CENTER BETWEEN DFC AND EXISTING IR TRACK HAS BEEN KEPT AT MINIMUM 9.925M.
3. TRACK CENTER BETWEEN MAIN LINE OF DFC HAS BEEN KEPT AS MINIMUM 6M.
4. PUBLIC UTILITIES, HT/LT LINES, OFC CABLES, WATER/SEWER LINES etc. INTERFERING DFC TRACKS SHALL BE RELOCATED.
5. CHANNEL DIVERSION, PROTECTIONS WORKS AND BRIDGE WORKS ARE INDICATED IN THE GADS OF THE CORRESPONDING BRIDGES.
6. FIRM LINE IS DFC UP PANOLI CONNECTING LINE WHICH HAS BEEN DESIGNED. DOTTED LINE IS FUTURE DFC DOWN PANOLI CONNECTING LINE.
7. CURVE INFORMATION IS SHOWN FOR DFC UP PANOLI CONNECTING LINE ONLY. THESE ARE TO BE READ AND NOT BE MEASURED.
8. FOR DRAINAGE DETAILS SEPARATE DRAWING WILL BE ISSUED.
9. THE STRUCTURE SIZE INDICATED IN PLAN & PROFILE DRAWINGS ARE PRELIMINARY AND FOR INDICATIVE PURPOSE ONLY. FOR THE ACTUAL SIZE OF STRUCTURE REFER RESPECTIVE G.A.DRAWING.
10. * SHOWS THE TOTAL LENGTH OF THE DESIGNED ELEMENT
11. FOR CNS DETAILS PLEASE REFER SEPARATE DRAWING / DOCUMENTS.
12. ALL THE LEVEL ARE WITH RESPECT TO MEAN SEA LEVEL.
13. LOCATION AND SPAN ARRANGEMENT OF BRIDGES / DFC YARD LAYOUT AND NOS. OF TRACKS IN YARD PLAN SHALL BE VERIFIED AS PER FINAL APPROVED DRAWINGS. ANY MODIFICATION OF ALIGNMENT DUE TO ABOVE ITEMS HAS TO BE CARRIED OUT BY THE CONTRACTOR ON HIS OWN COST.
14. FORMATION WIDTH IS INCREASED TO 13.860 METER FROM 13.500 METER AS PER ENGINEER LETTER NO. - L/OCGC/DFCC/CMT/CTP-13/1702/2913 (DATED 22-FEBRUARY-2017).
15. ROAD BRIDGE DETAILS REFER RESPECTIVE DRAWING (TO BE ISSUED)
16. ALIGNMENT CONSTRUCTION DRAWINGS ARE BASED ON ALIGNMENT DRAWING 13/AL/DG/0061E TO 0078E (NONOC RECEIVED VIDE LETTER "L NO. L/OCGC/DFCC/CMT/CTP-13/1906/25094 (DATED 07-JUNE-2019)"

REFERENCE DRAWINGS: (LATEST REVISION)

13/AL/DG-1531 ..., LEGEND AND ABBREVIATION FOR PLAN AND PROFILE DRAWINGS.
13/AL/DG-1532 ..., KEY PLAN FOR PACKAGE-13 SACHIN TO VADODARA

NO.	DATE	REVISION	DRAWN	DESIGNED	CHECKED	APPROVED
F	28-AUG-19	ISSUE FOR CONSTRUCTION	ACT	SRG	SKP	SKP
E	23-MAY-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1906/2777 (DATED 16-MAR-2019) AND L/OCGC/DFCC/CMT/CTP-13/1906/2947 (DATED 28-MAR-2019)	ACT	SRG	SKP	SKP
D	14-MAR-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1906/2168 (DATED 01-MAR-2019)	ACT	SRG	SKP	SKP
C	18-FEB-19	REVISED AS PER PMC COMMENTS L NO. L/OCGC/DFCC/CMT/CTP-13/1901/0939 (DATED 29-JAN-2019)	ACT	SRG	SKP	SKP

PROJECT
WESTERN DEDICATED FREIGHT CORRIDOR
ADDITIONAL SCOPE OF CONTRACT PACKAGE - 13
PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC)

ORGANIZATION SEAL & SIGN

EMPLOYER
DEDICATED FREIGHT CORRIDOR CORPORATION OF INDIA LTD.

PMC
PMC-2R ORIENTAL CONSULTANTS GLOBAL CONSORTIUM
OCG CONSORTIUM
OCG - OCI - NK - NKI - RITES

CONTRACTOR
EXPRESS FREIGHT CONSORTIUM
MITSUI & CO., LTD. TATA

DESIGNER
STUP Consultants Pvt. Ltd.

TITLE
ALIGNMENT DRAWING PLAN AND PROFILE FOR PROPOSED DFC CONNECTIVITY BETWEEN PANOLI (IR) TO NEW SANJALI (DFC) FROM 65+500 TO 65+700

JOB NO: 8309
SIZE A1
PROJECTION

	NAME	SIGN
DRWN	ACT	
DSGN	SRG	
CHKD	SKP	
APPD	SKP	

SCALE H 1:1000 V 1:100

STATUS
ID: (INCEPTION)
TD: (TECHNICAL)
CD: (CONSTRUCTION)
BD: (AS BUILT)

DATE : 19-OCT-2018

DRG. NO. 13/AL/DG/0078 F