

**REINFORCEMENT DETAILS AT ANCHORAGE**  
(MAY UNDERGO MINOR MODIFICATIONS AS PER SYSTEM SUPPLIERS SPECIFICATIO)

BAR BENDING SCHEDULE						
	BAR MARK	DIA OF BARS	LENGTH (M.M)	TOTAL NOS REQD.	(BENDING SHAPE (DIMENSIONS SHOWN ARE OVER OUTER EDGES))	
FOR ONE GIRDER	1	12	18500	12		
	2	12	6650	52		
	3	12	4902	124		
	4	12	5362	36		
	4a	12	5132	54		
	5	12	3140	34		
	5a	12	3191 ov.	54		
	5b	16	3280	36		
	6	12	3030	34		
	6a	12	3135 ov.	54		
6b	16	3234	36			
FOR DECK SLAB AND END BRACKET	7	10	19690	78		
	7a	16	1155	32		
	8	16	5780	220		
	9	12	3150	110		
	10	12	2950	110		
	11	12	3060	110		
	12	12	2110	110		
	13	20	2165	20		
	13a	12	1390	20		
	14	12	3304	12		
	14a	12	1842	20		
	FOR DIAPHRAGMS IN ONE SPAN	15	20	2000	140	
		15a	20	1450	70	
16		16	4460	24		
16a		16	1450	24		
17		20	3800	24		
17a		16	3736	22		
17b		20	500	24		
17c		28	4066	24		
18		12	2000	48		
18a		12	1450	24		
18b		12	3252	54		
18c		10	500	264	MESH Y	



NOTES:-

1. ALL DIMENSIONS ARE IN MILLIMETRES EXCEPT WHERE OTHERWISE SHOWN.
2. SPACINGS OF REINFORCEMENT ARE WITH REFERENCE TO THE CENTRE LINE OF BARS, EXCEPT IN BAR BENDING SCHEDULE WHERE DIMENSIONS ARE BETWEEN OUTER EDGES.
3. SPALLING AND BURSTING REINFORCEMENT HAS BEEN PROVIDED. ADDITIONAL REINFORCEMENT IF REQUIRED, MAY BE PROVIDED TO SUIT THE SYSTEM OF PRESTRESSING.
4. THE TYPE OF PRESTRESSING ANCHORAGE SYSTEM MAY BE DECIDED BY THE RAILWAYS AND REINFORCEMENT IN ANCHORAGE ZONE AS SHOWN MAY BE ALTERED AS SPECIFIED BY THE MANUFACTURER OF THE SYSTEM OF PRESTRESSING.

#### REFERENCES :

1. GENERAL ARRANGEMENT DRG.
2. GENERAL ARRANGEMENT  
BASED ON DRG NO. RDSO/B-10273

DRG. NO.

REV. NO.	DATE	DESCRIPTION
	<p><i>Rev</i> 30-10-17</p> <p>C/E/C-2</p>	
	<p><i>Please</i> 27.7.17</p> <p>DYCE/CID</p>	
	<p><i>Pran</i> 21.4.17</p> <p>DYCE (C) II</p> <p>JAIPUR</p>	
	 <p>CONTRACTOR</p>	<p>CONSULTANTS</p>

PROJECT :  
VIADUCT ON RINGAS DETOUR  
RGS DETOUR IN CONNECTION WITH DFCCIL  
WORK-CONSTRUCTION OF VIADUCT(164X18.30M  
PSC GIRDER),5X18.30M PSC GIRDER ON MINDA  
RIVER, + 3X18.30 COMPOSITE GIRDER ON RPO  
AND DFCCIL TRACK.

**CLIENTS :**  
**NORTH WESTERN RAILWAY,**  
5TH FLOOR, HQ OFFICE NEAR JAWAHAR CIRCLE,  
MALVIYANAGAR JAIPUR. ☎ 302 017

**CONTRACTORS :**  
**M.H. KHANUSIA-APEX TARMAc PVT. LTD.(JV)**  
 FF, Divine India Building, Near RTO Office : Bye pass Road  
 Po-Savgadh (Panpur) : Himatnagar 383 001

**CONSULTANTS :**  
**PANKAJ M PATEL CONSULTANTS PVT. LTD.**  
303, CHAKRAVARTY COMPLEX, OPP. KIRAN PARK CIRCLE,  
NAWA WADAJ, AHMEDABAD-380013,  
PH : (079)27643175, FAX : (079)27640428  
E-mail : paai\_99@yahoo.co.in, paai99@gmail.com

TITLE :  
DETAILS OF ANCHORAGE AND EXPANSION JOINT  
BASED ON DRG NO. RDSO/B-10273/3

DRAWN BY : NILESH	DESIGNED BY PANKAJ PATEL
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CHECKED BY : PANKAJ PATEL	DRG. NO.	REVISION
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SCALE	: AS SHOWN	VIADUCT
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DATE : 28-03-2017	VIADUCI 12	R0
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STANDARD OF LOADING : 25-T (2008)  
भारण मानक 25 टन - 2008

उत्तर पश्चिम रेलवे NORTH WESTERN RAILWAY

उत्तर पश्चिम रेलवे	NORTH WESTERN RAILWAY
जयपुर मण्डल	जयपुर सीकर खंड

31-12-1981	31-12-1981
JAIPUR DIVISION	JAIPUR - SIKAR SECTION

रींगस के पास DFCCIL परियोजना की वजह से मार्ग परिवर्तित करना  
RINGAS DETOUR IN CONNECTION WITH DFCCIL PROJECT

VIADUCT ON RINGAS DETOUR

VIADUCT ON RINGAS DETOUR  
TOTAL GRAB: 164 X 10.00 = 1640 CUBIC YD.

TOTAL SPAN:- 164 X 18.30m PSC GIRDER +  
5 X 18.30m PSC GIRDER ON MINDA RIVER +3

X 18.30m COMPOSITE GIRDER ON RPC &

DFCCIL TRACK

ON NEW ALIGNMENT

BETWEEN STATION CHHOTA GUDA & RINGAS

[illegible]

DY.CE(C)JP/3048/D-JP-SIKR (Detour)

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NO. CAO(c)JP/5603 / D-JP-SIKR (Deton

[illegible]

A. Lewis  
20-4-17  
SSE/DRG.

JE/C/D/JP

26/10/17  
SSE/C/DESIGN