



अरुण कुमार जैन आई आर एम एस
ARUN KUMAR JAIN IRMS



सत्यमेव जयते
भारत सरकार Govt. of India
रेल मंत्रालय Ministry of Railways

महाप्रबंधक
दक्षिण मध्य रेलवे
रेल निलयम, सिकंदराबाद - 500 025
General Manager
South Central Railway
Rail Nilayam, Secunderabad - 500 025

No.M.95/GM sanction/Vande Bharat Train Set

Dt: 02.12.2022

SANCTION FOR REGULAR OPERATION OF 'VANDE BHARAT TRAIN SET' IN SCR

Sub: Sanction for regular operation of 16 coach formation of Train Set with new design propulsion system & bogies (**Vande Bharat Train Set**) up to a maximum speed of 130 kmph or at the limits of sectional speeds whichever is lower over BG sections of South Central Railway.

Ref: SCR's Joint Safety Certificate No. M/C-047.

Sanction is hereby accorded for 16 coaches in the formation of DTC + MC + TC + MC2 + MC + TC + MC2 + NDTC/EC + NDTC/EC2 + MC2 + TC + MC + MC2 + TC + MC + DTC Train Set with new design propulsion system & bogies (Vande Bharat Train Set) having max. design axle load of 17t up to a maximum speed of 130 kmph or at the limits of sectional speeds whichever is lower on track maintained to standards given under Para 522 of IRPWM (June 2020) over BG sections of South Central Railway as certified by RDSO's Final Speed Certificate No. TS/SC/Operation dated 02.09.2022 & RDSO's Generic Speed Certificate No. MC/LHB/COACH dated 30.09.2022. The details of Layout drawing no. and transportation code of coaches of Train Set with new design propulsion system & bogies (Vande Bharat Train Set) are as under:


S.No.	Group /Type of coach	Layout Drawing no.	Transportation code	Max. Axle Load(t)
1	Driving Trailer Coach (DTC)	TS/DTC-9-0-001	TSDTC	13.61
2	Motor Coach (MC/MC2)	TS/MC-9-0-001	TSMC	15.77
		TS/MC2-9-0-001	TSMC2	
3	Trailer Coach (TC)	TS/TC-9-0-001	TSTC	15.38
4	Non-Driving Trailer Coach- Executive Class (NDTC/EC/NDTC/EC2)	TS/NDTC/EC-9-0-001	TSNDTC	13.39
		TS/NDTC/EC2-9-0-001	TSNDTC2	

The above sanction is subject to the following stipulations:

- Observance of all permanent and temporary speed restrictions in force and those that may be imposed from time to time due to track, bridges, curves, signalling and interlocking etc.

Contd...2

- b. Observance of all conditions and speed restrictions stipulated in SC Railway's JSC No. M/C- 047 along with its concomitant Track, Bridge, Track Worthiness & Safety, S&T and OHE Certificates.
- c. Observance of all conditions stipulated in RDSO's Final Speed Certificate No. TS/SC/ Operation dated 02.09.2022 & RDSO's Generic Speed Certificate No.MC/LHB/ COACH dated 30.09.2022.
- d. Observance of all conditions laid down in sanction communicated by Railway Board vide letter No. 2022/CEDO/SR/24/Vande Bharat-160 kmph dated 22.09.2022.
- e. In case of air spring gets deflated, the speed shall be limited to 60 kmph. This has to be manually implemented by loco pilot.


(Arun Kumar Jain) 02/12/2022
General Manager
South Central Railway

Copy for kind information please:

- (1) CCRS/SDRM's Office Campus/Northern Railway/Lucknow
- (2) CRS/South Central Circle/SC
- (3) DG/RDSO/Lucknow
- (4) EDME/Coaching/Railway Board

Copy for kind information & n.a. please:

- (1) PCOM, PCE, PCSTE, PCEE, PCME, CAO & PCCM of SC Railway
- (2) PCSO/SCR
- (3) CBE/SCR

South Central Railway
Joint Safety Certificate No. M/C-047

JSC for regular operation of 16 coach formation of Train Set with new design propulsion system & bogies (**Vande Bharat Train Set**) upto a maximum speed of 130 kmph or at the limits of sectional speeds whichever is lower over BG sections of South Central Railway.

Certified that, it is safe to run 16 coaches in the formation of DTC + MC + TC + MC2 + MC + TC + MC2 + NDTC/EC + NDTC/EC2 + MC2 + TC + MC + MC2 + TC + MC + DTC Train Set with new design propulsion system & bogies (Vande Bharat Train Set) having max. axle load of 17t upto a maximum speed of 130 kmph or at the limits of sectional speeds whichever is lower on track maintained to standards given under Para 522 of IRPWM (June 2020) over BG sections of South Central Railway as certified by RDSO's Final Speed Certificate No. TS/SC/Operation dated 02.09.2022 & RDSO's Generic Speed Certificate No.MC/LHB/COACH dated 30.09.2022. Sectional speeds mentioned against each section are enclosed as Annexure-A and SRs & PSRs are enclosed as Annexure-B.

The details of Layout drawing no. and transportation code of coaches of Train Set with new design propulsion system & bogies (Vande Bharat Train Set) are as under:

Sl.No.	Group /Type of coach	Layout Drawing no.	Transportation code	Max. Axle Load(t)
1	Driving Trailer Coach (DTC)	TS/DTC-9-0-001	TSDTC	13.61
2	Motor Coach (MC/MC2)	TS/MC-9-0-001	TSMC	15.77
		TS/MC2-9-0-001	TSMC2	
3	Trailer Coach (TC)	TS/TC-9-0-001	TSTC	15.38
4	Non-Driving Trailer Coach- Executive Class (NDTC/EC/NDTC/EC2)	TS/NDTC/EC-9-0-001	TSNDTC	13.39
		TS/NDTC/EC2-9-0-001	TSNDTC2	

The following conditions shall apply:

Railway Board's Sanction :

- 1) Observances of all stipulations laid down in the sanction letter communicated by the Railway Board vide letter No. 2022/CEDO/SR/24/Vande Bharat-160kmph dated 22.09.2022.

Track:

- 2) Track Certificate is issued by Headquarters Engineering department vide letter No. W.506/CRS/TR/AC/Vol.IV dated 24.10.2022. Compliance to paras of Track portion of RDSO's Speed Certificate and Railway Board's sanction furnished vide letter No. No.W.506/CRS/TR/AC/Vol.IV dated 24.10.2022 shall be strictly adhered to.
- 3) Speed Restrictions: The speed restrictions stipulated in CRS sanction of BPQ-KZJ-SC (No. Q.19018/SC-BPQ/20-SCC/130 Kmph/996 dt. 05.11.2020), KZJ-KI-BZA-GDR (No. Q.19018/KZJ-BZA-GDR/20-SCC/130 Kmph/473 dt. 08.01.2021), RU-GY (Q.19018/RU-GY/20-SCC/130 Kmph/995 dt. 05.11.2020) and GY-WADI (No. Q.19018/GY-WD/20-SCC/130 Kmph/474 dt. 08.01.2021) sections and included in respective JSCs along with PSRs of 110 kmph at 9 locations on BPQ-KZJ-SC section and PSRs of 110 kmph at 8 locations on RU-GY section for trespassing locations (enclosed as Annexure) and subsequent restrictions imposed from time to time shall be followed strictly. For sections not appearing in working time table, local speed restrictions as applicable shall be followed strictly.

South Central Railway
Joint Safety Certificate No. M/C-047

Bridge:

- 4) Bridge Certificate is issued by Headquarters Engineering department vide letter No. W.469/Bridge certificates/Coaches/2021 dated 27.10.2022. Compliance to paras of Bridge portion of RDSO's Speed Certificate furnished vide letter No. W.469/Bridge certificates/Coaches/2021 dated 27.10.2022 shall be strictly adhered to.

Signalling:

- 5) S&T Certificate is issued by Headquarters S&T department vide letter No. SG.191/IX/SP/Vol.4 dated 14.10.2022 shall be strictly adhered to.
- 6) In SC Railway, GDR-BZA-KZJ-BPQ, KZJ-GT, LPI-WD, GTL-KLU-CCA, NLPD-STUR, GKM-GJJ, DHNE-MKR, RU-GY-GTL-WD, GWM-THY sections are provided with STD IIIR interlocking (second distant signaling system) and GT-SC-LPI & BZA-GWM sections are provided with 4 aspect automatic signaling, caters for EBD > 1 km. All other sections provided with STD IIR interlocking, caters for EBD <1 km.
- 7) EBD values for a rake have been calculated at down gradient 1/80 by using 'STOP' software of Motive Power Directorate of RDSO and details are given below:

For a 16 coach formation of DTC + MC + TC + MC2 + MC + TC + MC2 + NDTC/EC + NDTC/EC2 + MC2 + TC + MC + MC2 + TC + MC + DTC at 130 kmph EBD is 987 mts.

The above EBD calculation is derived based on certain theoretical assumptions. Hence, the EBD values may be taken as guidelines only.

Traction Installation:

- 8) OHE certificate is issued by Headquarters Electrical Engineering department vide letter No. 220/JSC/CW/Vol-III dated 10.11.2022. Compliance to paras of Traction Installation portion of RDSO's Speed Certificate furnished vide letter No. E.220/JSC/ CW/Vol.III dated 10.11.2022 shall be strictly adhered to.
- 9) Restrictions as per OHE certificate incorporated in Annexure -B are to be observed.

Rolling stock:

- 10) **Track Worthiness & Safety Certificate:** Track Worthiness & Safety Certificate is issued by Headquarters Mechanical department vide letter No. M.95/GM sanction/Vande Bharat dated 26.10.2022 duly ensuring proper maintenance and safety of the Rolling stock.
- 11) In case of air spring gets deflated, the speed shall be limited to 60 kmph.
- 12) The Rolling Stock (Vande Bharat Trainset) shall be maintained as per maintenance manual issued by CAMTECH for Vande Bharat Trainset & other extant instructions.
- 13) All types of brake systems including regenerative brakes of all the coaches shall be maintained in good working order during the operation.
- 14) Earthing in the coach body and all the panels shall always be properly maintained.

South Central Railway
Joint Safety Certificate No. M/C-047

General:

- 15) All SRs & PSRs as mentioned in Annexure-B and subsequent restrictions imposed from time to time due to track, bridges, curves, signaling and interlocking etc. shall be observed.
- 16) The profile of Driving Trailer coach (TSDTC), Motor Coach (TSMC/TSMC2), Trailer Coach (TSTC) and Non-Driving Trailer coach-Executive Class (TSNDTC/ TSNDTC2) of Train set coaches infringe clause no. 14 of Chapter IV (A) of IRSOD (BG), revised 2004, up to ACS 27 (Clause nos. 14 of Chapter IV (A) of IRSOD (BG), revised 2004). Railway Board vide letter No. 2022/CEDO/SD/RS/08 dated 29.06.2022 has condoned the same for running of commercial service in Indian Railway.
- 17) All other conditions laid down in RDSO's Final Speed Certificate No. TS/SC/Operation dated 02.09.2022, RDSO's Generic Speed Certificate No. MC/LHB/COACH dated 30.09.2022 and Railway Board's Sanction letter No. 2022/CEDO/SR/24/Vande Bharat-160kmph dated 22.09.2022 shall be strictly adhered to.

Encl: Annexure – A (3 sheets) & Annexure – B (2 sheets)

**JENENDRA
KUMAR JAIN** Digitally signed by
JENENDRA KUMAR JAIN
Date: 2022.11.16
14:46:58 +05'30'

Principal Chief Mechanical Engineer

Digitally signed by GANESH KUMAR DWIVEDI
DN: c=IN, o=SOUTH CENTRAL RAILWAY, ou=PCSTE,
2.5.4.20=7af550d1b25bdfab995970c22d3cb15a2402c,
485de9829bb7b63c6e2ae42cc14,
postalCode=500071, st=SECUNDERABAD,
serialNumber=AFB3C1294D38092EAABD0D9D23F86
41CDE0790C54EAB951118DD1E4A77CCB135,
cn=GANESH KUMAR DWIVEDI
Date: 2022.11.23 11:19:08 +05'30'

Principal Chief Signal & Telecom Engineer

**PRAKASH
DEO
MISRA** Digitally signed
by PRAKASH
DEO MISRA
Date: 2022.11.23
13:51:14 +05'30'

Principal Chief Electrical Engineer

Digitally signed by R
DHANANJAYULU
Date: 2022.11.21
17:47:26 +05'30'

Principal Chief Operations Manager

**AMIT
GOEL** Digitally signed
by AMIT GOEL
Date: 2022.11.17
15:22:19 +05'30'

Principal Chief Engineer

South Central Railway
Enclosure to Joint Safety Certificate No. M/C-047

Annexure showing the Division-wise sections and speeds proposed for running of 16 coach formation of Train Set with new design propulsion system & bogies (**Vande Bharat Train Set**) over BG sections of South Central Railway.

SECUNDERABAD DIVISION				
Sl. No.	Section	From Km	To Km	Max. Speed Kmph
1	Balharshah (Excl)- Kazipet (UP, DN & UD lines) <i>(old UP & DN lines over which COCR was conducted, presently covering UP, DN & UD lines only)</i>	135.00	366.86	130
2	Kazipet -Kondapalli (UP&DN) (Incl. Bye pass line at Kazipet Jn.)	366.86	569.01	130
3	Secunderabad - Kazipet (UP&DN)	194.36	324.89	130
4	Manikgarh- Wirur(3rd Line)	141.91	159.84	110
	Mandamarri- Manchiryal (3rd Line)	250.25	260.54	110
	Manchiryal - Peddapet (3rd Line)	260.54	269.69	100
	Peddapet -Raghavapuram (3rd Line)	269.69	283.997	110
	Raghavapuram - Kolanur -Potkapalli(3rd Line)	283.997	314.22	90
	Bisugirsharif - Uppal (3rd Line)	324.64	342.97	100
	Cheruvumadhavaram (Excl.) -Kondapalli(3rd Line)	562.585	569.010	75
5	Secunderabad - Lallaguda (3rd Line)	194.36	196.57	50
6	Wadi (Excl.)-Hyderabad- Secunderabad (UP&DN)(Incl. Chord line at Hussainsagar Jn.)	3.00	194.36	110
7	Moula Ali 'C' -Ghatkesar(MMTS UP & DN lines)	202.09	213.84	100*
8	Vikarabad-Latur Road (SL)	0.00	204.58	100
9	Peddapalli - Karimnagar (SL)	0.00	34.925	100
	Karimnagar -LingampetJagityal (SL)	34.925	82.75	90
	Lingampet-Jagityal- Nizamabad (SL)	82.75	177.794	100*
10	Telapur - Ramachandrapuram	0.00	5.337	70
11	Dornakal-Manuguru(SL) (Incl. Bye pass line at Dornakal Jn. & at Bhadrachalam Road)	0.00	103.69	100
NANDED DIVISION				
1	Ankai (Excl) - Rotegaon (SL)	16.00	52.29	100
2	Kosai - Adilabad (SL)	139.38	161.95	90
3	Adilabad - Pimpalkutty (SL)	161.95	181.975	50
4	Hingoli Deccan -Akola (SL)	870.07	743.52	100

* Speed restrictions as per Annexure-B

Note: In case air spring gets deflated, the speed shall be limited to 60Kmph.

South Central Railway
Enclosure to Joint Safety Certificate No. M/C-047

Annexure showing the Division-wise sections and speeds proposed for running of 16 coach formation of Train Set with new design propulsion system & bogies (**Vande Bharat Train Set**) over BG sections of South Central Railway.

VIJAYAWADA DIVISION				
Sl. No	Section	From Km	To Km	Max. Speed Kmph
1	Kondapalli – Vijayawada (UP&DN)	569.01	586.50	130
2	Gudur-Vijayawada (UP&DN) (Incl. Krishna Canal – Vijayawada (3rd Line))	134.30	428.76	130
3	Kondapalli - New West Block Hut(3rd Line)	569.010	579.308	90
4	Talamanchi - Ulavapadu (3rd Line)	190.44	252.88	110
	Nellore - Talamanchi (3rd Line)	174.36	190.44	90
5	Vijayawada-Duvvada (Excl.) (UP&DN)	428.76	759.70	110
6	Samalkot – Kakinada Port (UP & DN) (Incl. Bye pass line at Samalkot Jn.)	0.00	15.60	110
7	Vijayawada- Uppaluru (UP)	0	18.72	90
	Vijayawada- Uppaluru (DN)	0	18.72	100
8	Uppaluru -Bhimavaram Town (UP & DN)	18.72	106.27	100
9	Bhimavaram Town - Aravalli (UP, DN &SL)	106.27	120.45	100*
10	Aravalli – Kaldhari (DN)	120.45	148.37	100
	Kaldhari – Nidadavolu (DN)	148.37	154.75	90
	Aravalli - Nidadavolu (UP)	120.45	154.75	90
11	Gudivada-Machilipatnam (UP& DN)	0.00	36.74	100
12	Bhimavaram - Narsapur (UP)	0.00	29.48	90
	Bhimavaram - Narsapur (DN)	0.00	29.48	100
GUNTUR DIVISION				
1	Pagidipalli – Nadikude (SL)	4.02	152.69	110
2	Nallapadu -Nadikude (SL)	5.00	95.25	110
3	Nallapadu - Nandyal (UP, DN & SL)	5.00	256.98	110
4	Guntur - Krishna Canal (UP&DN)	0.00	27.12	110
5	Tenali-Guntur (UP&DN) (Incl. Bye pass line at Guntur Jn.)	0.00	25.47	110
6	Guntur- Nallapadu (UP)	0.00	5.00	100
7	Guntur- Nallapadu (DN)	0.00	5.00	60
8	Tenali-Repalle (SL)	0.00	33.85	90
9	Nandyal- Nandyal (Junction cabin) (SL)	0.00	2.324	50
10	Nadikude-Macherla (SL)	95.25	130.26	80

* Speed restrictions as per Annexure-B

Note: In case air spring gets deflated, the speed shall be limited to 60Kmph.

South Central Railway
Enclosure to Joint Safety Certificate No. M/C-047

Annexure showing the Division-wise sections and speeds proposed for running of 16 coach formation of Train Set with new design propulsion system & bogies (**Vande Bharat Train Set**) over BG sections of South Central Railway.

GUNTAKAL DIVISION				
1	Wadi (Excl.) - Gooty (UP&DN)	669.50	414.51	130
2	Gooty- Renigunta (UP&DN)	414.51	133.56	130
3	Dharmavaram - Chigicherla (SL)	177.00	189.86	110
	Chigicherla - Taticherla (UP & DN)	189.86	219.46	110
	Taticherla - Garladinne (UP)	219.46	228.46	90
	Taticherla - Garladinne (DN)	219.46	228.46	110
	Garladinne - Kalluru (UP&DN)	228.46	239.54	110
	Kalluru - Gooty (UP)	239.54	269.04	80
	Kalluru - Gooty (DN)	239.54	269.04	110
4	Nandyal - Dhone (SL)	256.98	332.74	110
5	Dhone - Pendekallu ((UP&DN)	297.12	323.01	100
	Pendekallu - Maddikera (UP)	323.01	353.96	100
	Pendekallu - Maddikera (DN)	323.01	353.96	90
	Maddikera -Guntakal (SL)	353.96	365.66	100
6	Bellary (Excl.)- Guntakal (UP&DN) (Incl. Bye pass line at Guntakal Jn.)	212.00	258.20	110
7	Gudur-Renigunta(Excl. RU Yard) (UP&DN)	0.00	80.00	110
	Renigunta(Incl. RU Yard)-Tirupati (UP&DN)	80.00	92.96	100
8	Katpadi (Excl.) - Tirupati (SL)	0.85	104.39	110
9	Gooty - Pendekallu (SL)	0.00	29.275	110
10	Kalluru -Guntakal (UP&DN)	239.54	279.80	110
11	Dharmavaram- Pakala(SL)	0.00	227.42	100
12	Nandyal(Junction cabin) - Yerraguntla (SL)	2.324	123.00	100
HYDERABAD DIVISION				
1	Jankampet- Nizamabad(SL)	453.89	460.19	110
2	Monoharabad - Medchal (SL)	579.69	592.930	110
3	Medchal - Bolarum (UP & DN)	592.930	606.800	100
4	Bolarum -Secunderabad (UP&DN)	606.80	620.65	90
5	Secunderabad-Falaknuma (UP&DN)	0.00	14.54	80
6	Falaknuma (Excl)- Mahabubnagar (UP)	14.54	112.98	110
	Falaknuma (Excl) - Gollapalli (DN)	14.54	87.82	100
	Gollapalli - Mahabubnagar (DN)	87.82	112.98	90
	Kurnool City - Dhone (SL)	243.42	297.12	110
7	Malkajgiri - Moula Ali Chord Line (SL)	0.00	4.90	30
8	Raichur - Pandurangaswamy Road (SL)	0.00	29.89	75*
	Pandurangaswamy Road - Gadwal (SL)	29.89	57.16	100
9	Jankampet - Bodhan (SL)	0.00	20.05	75
10	Chord line bet. Sitafalmandi 'A' Cabin on Secunderabad - Dhone section and Sitafalmandi 'B' Cabin on Secunderabad - Mudkhed section	0.62673	1.3662	30
11	Bye-Pass line towards Mudkhed i.e., Dayanandnagar Bye-Pass Line connecting MLY-MJF Chord Line to SC-MUE Main Line	0.000	0.610	15

* Speed restrictions as per Annexure-B

Note: In case air spring gets deflated, the speed shall be limited to 60Kmph.

South Central Railway
Enclosure to Joint Safety Certificate No. M/C-047

Annexure showing the Division-wise sections and PSRs proposed for running of **Vande Bharat Train Set** over BG sections of SCR.

(a) The following PSRs detailed below are to be observed in sections of SCR:

Locations identified as tress passing & chances of cattle run over in the newly introduced 130 kmph sections						
Sl.No	Div	Section	Bet. Station	Kilometre	SR in KMPH	Reason
1	SC	BPQ-KZJ(DN)	MAGH - VHGN	149/18-149/24	110	Vulnerable tresspassing location
2	SC	BPQ-KZJ(DN)	WIRR - MKDI	167/20-167/24	110	Vulnerable tresspassing location
3	SC	BPQ-KZJ(DN)	MKDI - SRUR	178/12-178/16	110	Vulnerable tresspassing location
4	SC	BPQ-KZJ(DN)	SRUR - SKZR	197/0 -198/12	110	Vulnerable tresspassing at 197/8-12 & 2 Degree curve 197/0 to 198/4
5	SC	BPQ-KZJ(DN)	ASAF-RLW	221/28-222/8	110	Vulnerable tresspassing location
6	SC	BPQ-KZJ(DN)	RLW-RECH	228/28-229/4	110	Vulnerable tresspassing location
7	SC	BPQ-KZJ(DN)	BPA-MMZ	247/6-247/10	110	Vulnerable tresspassing location
8	SC	BPQ-KZJ(DN)	MMZ-MCI	259/18-259/22	110	Vulnerable tresspassing location
9	SC	KZJ-BPQ(UP)	MCI-MMZ	259/19-23	110	Vulnerable tresspassing location
10	SC	KZJ-BPQ(UP)	MMZ-BPA	247/9-247/5	110	Vulnerable tresspassing location
11	SC	KZJ-BPQ(UP)	RECH-RLW	229/3-228/27	110	Vulnerable tresspassing location
12	SC	KZJ-BPQ(UP)	RLW-ASAF	222/7-221/27	110	Vulnerable tresspassing location
13	SC	KZJ-BPQ(UP)	SRUR - SKZR	197/11-197/5	110	Vulnerable tresspassing location
14	SC	KZJ-BPQ(UP)	MKDI - SRUR	178/15-178/11	110	Vulnerable tresspassing location
15	SC	KZJ-BPQ(UP)	WIRR - MKDI	167/23-167/19	110	Vulnerable tresspassing location
16	SC	KZJ-BPQ(UP)	MAGH - VHGN	149/23-149/15	110	Vulnerable tresspassing location
17	SC	KZJ-SC(UP)	ALER - WP	259/3-259/1	110	Vulnerable tresspassing location
18	SC	SC-KZJ(DN)	WP-ALER	259/2-259/4	110	Vulnerable tresspassing location
19	GTL	RU-GY(DN)	KOU Yard	175/26-176/4	110	Vulnerable tresspassing location
20	GTL	RU-GY(DN)	KOU-ANE	177/24-178/4	110	Vulnerable tresspassing location
21	GTL	RU-GY(DN)	PMT-RJP	207/22-208/34	110	Vulnerable tresspassing location
22	GTL	RU-GY(DN)	RJP-HAQ	210/4-210/12	110	Vulnerable tresspassing location
23	GTL	RU-GY(DN)	HX-KPU	261/2-265/4	110	Vulnerable tresspassing location
24	GTL	RU-GY(DN)	KPU-GPY	273/30-273/32	110	Vulnerable tresspassing location
25	GTL	RU-GY(DN)	KPU-GPY	275/8-275/12	110	Vulnerable tresspassing location
26	GTL	RU-GY(DN)	KDP-RLL	344/8-345/8	110	Vulnerable tresspassing location
27	GTL	GY-RU(UP)	KOU Yard	176/3-175/25	110	Vulnerable tresspassing location
28	GTL	GY-RU(UP)	ANE-KOU	178/3-177/23	110	Vulnerable tresspassing location
29	GTL	GY-RU(UP)	RJP-PMT	208/33-207/21	110	Vulnerable tresspassing location
30	GTL	GY-RU(UP)	HAQ-RJP	210/11-210/3	110	Vulnerable tresspassing location
31	GTL	GY-RU(UP)	KPU-HX	265/3-261/1	110	Vulnerable tresspassing location
32	GTL	GY-RU(UP)	GPY-KPU	273/31-273/29	110	Vulnerable tresspassing location
33	GTL	GY-RU(UP)	GPY-KPU	275/11-275/7	110	Vulnerable tresspassing location
34	GTL	GY-RU(UP)	RLL-KDP	345/7-344/7	110	Vulnerable tresspassing location

SCEUNDERABAD DIVISION				
* Speed Restrictions on GT-MLY 'C' Cabin MMTS Lines				
GT-MLY (UP MMTS LINE)				
Sl. No.	Section	Location	SR in Kmph	Reason for SR
1	GT Yard	214/1M-213/13M	15	GT yard Terminal Station for MMTS Lines
2	CHZ-MLY	202/11M-202/3M (MLY-1072)	30	Points taking off from 4 degree curve
GT-MLY (DN MMTS LINE)				
1	MLY-CHZ	21/8M-202/14M	30	Due to Points & Crossings on approach of 'C' Cabin
2	GT Yard	213/6M-213/22M	15	P&Crossings on MMTS Lines of GT Yard,
* PSR on Nizamabad - Lingampet-Jagityal section (UP& DN direction)				
1	Near NZB Yard	176/8 - 177/3	80	Due to sharp curve of 2.5°
HYDERABAD DIVISION				
* PSR on GWD-PASR (SL) section (UP & DN direction)				
1	RC-PASR	4.80 - 5.70	70	Due to 4° curve
VIJAYAWADA DIVISION				
*PSRs-BVRT-AVLI (UP line)				
1	Bypass near BVRM	109/100 - 107/900	75	2.06 degree sharp curve
2		107/900 - 107/400	50	5.90 degree sharp curve
3		107/200 - 107/0	75	Points & Crossings on 2.75 degree curve.
*PSRs-BVRT-AVLI- Diversion of Exg line				
1	Bypass near BVRM	106/900 - 107/300	75	2.75 degree sharp curve
2		107/400 - 107/900	50	5.90 degree sharp curve
3		107/900 - 109/100	75	Points & Crossings on 2.047 degree curve.

South Central Railway
Enclosure to Joint Safety Certificate No. M/C-047

Annexure showing the Division-wise sections and restrictions proposed for running of **Vande Bharat Train Set** over BG sections of SCR.

(b) Restrictions as per OHE certificate issued by HQrs. Electrical Department:

1.sections with 90Kmph:

Sl No.	Station	From Loc.	To Loc.	Remarks
Secunderabad Division				
1	Bhalki-Kalgupur	130/1	130/2	90 kmph due to Tramway
2	Kalgupur-Kamalnagar	151/16	151/17	OHE
Guntakal Division				
1	Chittoor Stn. Rd-2 M/L	32/5	32/31	90 kmph due to Tramway
2	Chittoor Stn. Rd-3	32/3	CTO/2019	OHE
3	Chittoor Stn. Rd-4	32/7	33/12	

2. As TSS have limitations on running of number of Vande Bharat Train set, the following restrictions are to be observed:

Number of trains in each TSS zone may be restricted to 1 UP & 1 DN (or 2 train UP/DN) at a time considering other trains in the section to avoid CB trippings and low voltage problems affecting train operations.

Note: The speed restrictions as printed in the current working time table and subsequent restrictions imposed from time to time shall be followed strictly. For sections not appearing in working time table, local speed restrictions as applicable shall be followed strictly.