



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6019	DISPATCH DATE				10.3.2014
2.	Railway	ER	Type	LWSCZAC	Coach No.	16157	
3.	Booked to	SSE/C&W/LILUAH					
4.	Tare Weight of Coach	40.28 T					
5.	Carrying Capacity	Seating	78	Sleeping	NIL	Luggage	NIL
6.	Shell Details: (LW90023 alt 'a', LE90009 alt 'nil', LD9009 alt 'b')						
	6.1	Leading Dimensions:					
	i)	Maximum length over Body	23700+10/-0 mm				
	ii)	Maximum width over Body	3240-8/+0 mm, 3050 mm (LWSCZDAC)				
	iii)	Max. Height From Rail Level	4250 (LWACCN), 4039 (LWACCW, LS, LWSCN), 4366 (LWSCZDAC)				
	iv)	CBC Height	Specified : 1105 +0 /-15 mm	1102	1100		
	v)	CBC (Make)	SANROK	Fiba Device	NA		
7.	Air Brake Testing:		Description	Specified	Observed		
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²	6 –10 sec	6 Sec		
			Max Pressure in BC	3.00 ± 0.15 Kg/cm ²	3.00		
			All Brake are applied	OK	OK		
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK		
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK		
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	GS	86/86		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i.	BRAKE EQUIPMENT	FAIVELEY				
	iii.	BIO-TOILET	RAIL FAB+ JSL LIFE STYLE LTD				
	iv.	SEAT & BERTH	ADVANCE SILICON				
	v.	BODY SIDE DOORS	JVR				
	vi.	SALOON COMPTT DOORS	KALSI				
	vii.	VESTIBULE SLIDING DOOR	HP				
	viii.	WATER TANKS	(AUX)RAIL TECH & (U/S) SHIVALIK				
	ix	UIC VESTIBULE	SSIPL				
	x	LUGGAGE RACK	RAIL TECH				
	XI	FLOOR BOARD	NARBADA				
	XII	PVC	RESPONSIVE				
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 2 of 3

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6019	ER	LWSCZAC	16157/C	10-10-2016			
11.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	166886				166896			
	ii.	Frame No.	FIAT-5201				FIAT-5144			
	iii.	Bolster No.	6127-P				6252-VT			
	iv.	Axle No.	K-3416		R-2942		N-0797		R-3072	
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	917.00	917.00	917.00	917.00
	vi.	Wheel Disc No.	04214-6QJ7	03739-6QJ3	05185-6QM3	06171-6QK6	07647-6QK4	00026-6QH5	00096-7301	00134-7196
	vii.	R.B. Nos.	05567	04983	05790	05813	05293	06114	05518	06030
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2	Secondary suspension load deflection Values:									
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	RSK-16-6-560	ABOK-16-9-02	RSK-16-6-1004	ABOK-16-9-03	RSK-16-6-936	AFJ-16-9-087	RSK-16-6-1033	AFJ-16-9-85	
ii.	Ht. at test load	511	468	509	468	510	467	511	466	
iii.	Align .deviation	12	5	11	4	16	3	17	5	
11.3	Items traceability:									
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make	
	i.	Primary Outer Spring			RSK-15-11		RSK-15-11		RSK	
	ii.	Primary inner Spring			RSK-16-3		RSK-16-3		RSK	
	iii.	Primary Damper			3373,3380,3376,3375		4290,4289,4140,3988		KNORR	
	iv.	Secondary damper			0416,0015		0617,0607		SV	
	v.	Lateral Damper			0549		0324		SV	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper			G16185/600,G16256/600 G16187/600,G16259/600		G16188/600,G16258/600 G16186/600,G16257/600		FTI	
	viii.	Brake Disc							FTI	
	ix.	Ball joint Control arm							MGN	
	x.	Lateral Bump stop							MGN	
	xi.	Traction center make							SARITA	
	xii.	Traction lever make							SARITA	
	xiii.	Ball joint traction lever							SGA	
	xiv.	Traction centre elastic							GMT	
	xv.	Secondary rubber pad							TECSPACK	
	xvi.	Rubber spring							GMT	
	xvii.	Anti roll bar make							SARITA	
	xviii.	Ball joint roll link							SARITA	
	xix.	Fork make							SARITA, EMSON	
11.4	i.	Modification / Trial (if any):			NIL					
	ii.	Deviations (if any):			NIL					

LWSCZAC-6019



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

Page 1 of 3

ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6022	DISPATCH DATE				10.03.17
2.	Railway	ER	Type	LWSCZAC	Coach No.	16156	
3.	Booked to	SSE/C&W/LILUAH					
4.	Tare Weight of Coach	40.28 T					
5.	Carrying Capacity	Seating	78	Sleeping	NIL	Luggage	NIL
6.	Shell Details: (LW90023 alt 'a', LE90009 alt 'nil', LD9009 alt 'b')						
	6.1	Leading Dimensions:					
	i)	Maximum length over Body	23700+10/-0 mm				
	ii)	Maximum width over Body	3240-8/+0 mm, 3050 mm (LWSCZDAC)				
	iii)	Max. Height From Rail Level	4250 (LWACCN), 4039 (LWACCW, LS, LWSCN), 4366 (LWSCZDAC)				
	iv)	Buffer/CBC Height	Specified : 1105 +0 /-15 mm		1104	1104	
	v)	Buffer/CBC (Make)	SANROK		Fiba Device	NA	
7.	Air Brake Testing:		Description		Specified	Observed	
	7.1	Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²		6 –10 sec	6 Sec	
			Max Pressure in BC		3.00 ± 0.15 Kg/cm ²	3.00	
			All Brake are applied		OK	OK	
	7.2	Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min		No brake application	OK	
	7.3	Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.		Brake must apply	OK	
8.	PAINTING DEATAILS:		TYPE OF PAINT	MAKE	AVERAGE GLOSS VALUE		
	8.1	PAINT	PU PAINT	GS	85/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:					Make	
	i.	BRAKE EQUIPMENT				FAIVELEY	
	iii.	BIO-TOILET				RAIL FAB+ JSL	
	iv.	SEAT & BERTH				ADVANCE SILICON	
	v.	BODY SIDE DOORS				JVR	
	vi.	SALOON COMPTT DOORS				KALSI	
	vii.	VESTIBULE SLIDING DOOR				HANSPAL	
	viii.	WATER TANKS				(AUX)RAIL TECH,(U/S)AMIT	
	ix	UIC VESTIBULE				KRP	
	x	LUGGAGE RACK				RAIL TECH	
	XI	FLOOR BOARD				NARBADA	
	XII	PVC				RESPONSIVE	
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6022	ER	LWSCZAC	16156/C	11-11-2016			
11.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	166963				166964			
	ii.	Frame No.	FM-681				FIAT-5238			
	iii.	Bolster No.	6265-GT				6327-P			
	iv.	Axle No.	N-6993		N-6756		N-0865		N-6502	
	v.	Wheel Dia.	917.00	917.00	916.00	916.00	916.00	916.00	916.00	916.00
	vi.	Wheel Disc No.	07580-6QK4	08193-6QL6	07575-6QK4	06195-6QL9	02753-5VJ6	01113-6QG5	03324-6QL4	01672-6QH1
	vii.	R.B. Nos.	05522	05318	06240	05274	05756	01812	06124	05265
	viii.	R.B. Make	TIMKEN		TIMKEN		TIMKEN		TIMKEN	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2	Secondary suspension load deflection Values:									
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	AFJ-16-9-68	GBD-16-7-33	AFJ-16-9-60	GBD-16-7-41	AFJ-16-9-01	GBD-16-7-63	AFJ-16-9-54	GBD-16-7-28	
ii.	Ht. at test load	512	467	512	468	512	463	512	465.50	
iii.	Align .deviation	13	9	17	9	20	8	20	9	
11.3	Items traceability:									
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make	
	i.	Primary Outer Spring			RSK-15-5		RSK-15-5		RSK	
	ii.	Primary inner Spring			RSK-16-6		RSK-16-6		RSK	
	iii.	Primary Damper			3991,2628,3915,4205		4237,3828,3915,3836		KNORR	
	iv.	Secondary damper			0692,0647		0641,0624		SV	
	v.	Lateral Damper			0480		0461		SV	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper			K16043/600,K16071/600 K16044/600,K16075/600		G16169/600,G16206/600 G16167/600,G16205/600		FTI	
	viii.	Brake Disc							FTI	
	ix.	Ball joint Control arm							MGN	
	x.	Lateral Bump stop							GMT	
	xi.	Traction center make							EMSON	
	xii.	Traction lever make							SARITA	
	xiii.	Ball joint traction lever							SGA	
	xiv.	Traction centre elastic							GMT	
	xv.	Secondary rubber pad							TECSPACK	
	xvi.	Rubber spring							GMT	
	xvii.	Anti roll bar make							SARITA	
	xviii.	Ball joint roll link							SARITA	
	xix.	Fork make							SARITA, EMSON	
11.4	i.	Modification / Trial (if any):			NIL					
	ii.	Deviations (if any):			NIL					



रोलिंग स्टॉक प्रमाण-पत्र

ROLLING STOCK CERTIFICATE

फार्म सं. Form QMF 9454; Version: 1
No. :

1.	शेल नं. SHELL No.	6035	डिस्पैच तिथि	DISPATCH DATE	06.03.2017
2.	रेलवे Railway	ER	Type	LWSCZAC	Coach No. 16153
3.	को बुक किया गया Booked to	SSE/C&W/			
4.	खाली डिब्बे का भार Tare Weight of Coach	40.28 T			
5.	वहन क्षमता Carrying Capacity	सीटें Seating	78	शायिकाएं Sleeping	कोई नहीं NIL सामान Luggage कोई नहीं NIL
6.	शेल का विवरण Shell Details: (LW90023 alt 'a', LE90009 alt 'nil', LD9009 alt 'b')				
6.1	प्रमुख आयाम Leading Dimensions:				
i)	बॉडी की अधिकतम लंबाई Maximum length over Body	23700+10/-0 mm			
ii)	बॉडी की अधिकतम चौड़ाई Maximum width over Body	3240-8/+0 mm, 3050 mm (LWSCZDAC)			
iii)	रेल लेवल से अधिकतम ऊंचाई Max. Height From Rail Level	4250 (LWACCN), 4039 (LWACCW, LS, LWSCN), 4366 (LWSCZDAC)			
iv)	बफर/सीबीसी ऊंचाई Buffer/CBC Height	विनिर्दिष्ट Specified : 1105 +0 /-15 mm	1105	1105	
v)	बफर/सीबीसी मेक Buffer/CBC (Make)	SANROK			
7.	एअर ब्रेक जांच Air Brake Testing:	विवरण Description	विनिर्दिष्ट Specified	Observed	
7.1	फुल ब्रेक एप्लीकेशन Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²	6 –10 sec	6 Sec	
		Max Pressure in BC	3.00 ± 0.15 Kg/cm ²	3.00	
		All Brake are applied	OK	OK	
7.2	तीव्रता Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK	
7.3	संवेदनशीलता Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK	
8.	पेंट का विवरण PAINTING DEATAILS:	पेंट का प्रकार TYPE OF PAINT	मेक MAKE	AVERAGE GLOSS VALUE	
8.1	पेंट PAINT		GS	87/87	
8.2	PCN-123 की एप्लीकेशन APPLICATION OF PCN-123				
8.3	इंसुलेशन INSUALTION				
9.	फर्निशिंग मदों संबंधी जानकारी Traceability of Furnishing Items:			मेक Make	
i.	ब्रेक उपकरण BRAKE EQUIPMENT			FAIVELEY	
iii.	सीडीटीएस CDTs			RAIL FAB, JSL	
iv.	सीट एवं बर्थ SEAT & BERTH			ADVANCE	
v.	बॉडी साइड डोर BODY SIDE DOORS			JVR	
vi.	सैलून डोर SALOON COMPTT DOORS			KALSI	
vii.	वेस्टीब्यूल स्लाइडिंग डोर VESTIBULE SLIDING DOOR			KALSI	
viii.	वाटर टैंक WATER TANKS			AMIT, KUTEER, MANOJ	
ix	यूआईसी वेस्टीब्यूल UIC VESTIBULE			ESCORTS	
x	लगेज रैक LUGGAGE RACK				
XI	फ्लोर बोर्ड FLOOR BOARD			NARBADA	
XII	पीवीसी PVC			RESPONSIVE	
10.					
10.1	मॉडीफिकेशन/ट्रायल (यदि कोई हो) Modification / Trail (if any):			NIL	
10.2	डेविएशन यदि कोई हो Deviations if any:			NIL	



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 2 of 3

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			6035		ER		LWSCZAC		16153		11-02-2017	
11.1	Wheel & Axle Details:		PP Side					NPP Side				
	i.	Bogie No.	176121					176122				
	ii.	Frame No.	FIAT-5476					FIAT-5480				
	iii.	Bolster No.	6516-P					6621-P				
	iv.	Axle No.	N-0307		N-6102		R-2997		N-0868			
	v.	Wheel Dia.	916.50	917.00	917.00	917.00	917.00	917.50	917.00	917.00		
	vi.	Wheel Disc No.	00016-6008	00047-6070	03962-6QH0	01652-6QH2	00795-6QJ9	07196-6QJ6	07821-6QL1	03307-6QK3		
	vii.	R.B. Nos.	38997	35388	87898	80386	87601	88466	87612	88666		
	viii.	R.B. Make	SKF		SKF		SKF		SKF			
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	Secondary suspension load deflection Values:											
	Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2			
			Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner		
i.	Make & nos.	GBD-16-7-059	GBD-16-5-275	GBD-16-7-057	GBD-16-5-319	GBD-16-7-084	GBD-16-5-318	GBD-16-7-075	GBD-16-5-318	GBD-16-5---		
ii.	Ht. at test load	511	468	512	467	512	466	512	466	466		
iii.	Align .deviation	10	12	11	12	9	7	9	10	10		
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			GBD-16-12			GBD-16-12			GBD	
	ii.	Primary inner Spring			G-12-06			G-12-06			GF	
	iii.	Primary Damper			36806,36833,36859,36732			36870,37088,37068,36799			KONI	
	iv.	Secondary damper			0699,0465			0583,0588			SV	
	v.	Lateral Damper			0489			0081			SV	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			M16319/600,M16352/600 M16320/600,M16350/600			K16027/600,H16349/600 K16089/600,H16348/600			FTI	
	viii.	Brake Disc									KBI,FTI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									GMT	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									AWF	
	xiii.	Ball joint traction lever									MGN	
	xiv.	Traction centre elastic									SGA	
	xv.	Secondary rubber pad									TECSPAK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									SARITA	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									EMSON	
11.4	i.	Modification / Trial (if any):						NIL				
	ii.	Deviations (if any):						NIL				



रोलिंग स्टॉक प्रमाण-पत्र

ROLLING STOCK CERTIFICATE

फार्म सं. Form QMF 9454; Version: 1
No. :

1.	शेल नं. SHELL No.	6039	डिस्पैच तिथि	DISPATCH DATE	06.03.2017
2.	रेलवे Railway	ER	Type	LWSCZAC	Coach No. 16155
3.	को बुक किया गया Booked to	SSE/C&W/LILUAH			
4.	खाली डिब्बे का भार Tare Weight of Coach	40.28 T			
5.	वहन क्षमता Carrying Capacity	सीटें Seating	78	शायिकाएं Sleeping	कोई नहीं Nil सामान Luggage कोई नहीं NIL
6.	शेल का विवरण Shell Details: (LW90023 alt 'a', LE90009 alt 'nil', LD9009 alt 'b')				
6.1	प्रमुख आयाम Leading Dimensions:				
i)	बॉडी की अधिकतम लंबाई Maximum length over Body	23700+10/-0 mm			
ii)	बॉडी की अधिकतम चौड़ाई Maximum width over Body	3240-8/+0 mm, 3050 mm (LWSCZDAC)			
iii)	रेल लेवल से अधिकतम ऊंचाई Max. Height From Rail Level	4250 (LWACCN), 4039 (LWACCW, LS, LWSCN), 4366 (LWSCZDAC)			
iv)	बफर/सीबीसी ऊंचाई Buffer/CBC Height	विनिर्दिष्ट Specified : 1105 +0 /-15 mm	1105	1105	
v)	बफर/सीबीसी मेक Buffer/CBC (Make)	ESCORTS			
7.	एअर ब्रेक जांच Air Brake Testing:	विवरण Description	विनिर्दिष्ट Specified	Observed	
7.1	फुल ब्रेक एप्लीकेशन Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ²	6 –10 sec	6 Sec	
		Max Pressure in BC	3.00 ± 0.15 Kg/cm ²	3.00	
		All Brake are applied	OK	OK	
7.2	तीव्रता Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK	
7.3	संवेदनशीलता Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK	
8.	पेंट का विवरण PAINTING DEATAILS:	पेंट का प्रकार TYPE OF PAINT	मेक MAKE	AVERAGE GLOSS VALUE	
8.1	पेंट PAINT		GS	85/87	
8.2	PCN-123 की एप्लीकेशन APPLICATION OF PCN-123				
8.3	इंसुलेशन INSUALTION				
9.	फर्निशिंग मदों संबंधी जानकारी Traceability of Furnishing Items:			मेक Make	
i.	ब्रेक उपकरण BRAKE EQUIPMENT			KBI	
iii.	सीडीटीएस BIO TOILET			RAIL FAB, JSL	
iv.	सीट एवं बर्थ SEAT & BERTH			ADVANCE	
v.	बॉडी साइड डोर BODY SIDE DOORS			JVR	
vi.	सैलून डोर SALOON COMPTT DOORS			KALSI	
vii.	वेस्टीब्यूल स्लाइडिंग डोर VESTIBULE SLIDING DOOR			KALSI	
viii.	वाटर टैंक WATER TANKS			MANOJ, RAIL FAB, AMIT	
ix	यूआईसी वेस्टीब्यूल UIC VESTIBULE			ESCORTS	
x	लगेज रैक LUGGAGE RACK				
XI	फ्लोर बोर्ड FLOOR BOARD			NARBADA	
XII	पीवीसी PVC			RESPONSIVE	
10.					
10.1	मॉडीफिकेशन/ट्रायल (यदि कोई हो) Modification / Trail (if any):			NIL	
10.2	डेविएशन यदि कोई हो Deviations if any:			NIL	



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 2 of 3

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			6039		ER		LWSCZAC		16155		30-12-2016	
11.1	Wheel & Axle Details:		PP Side					NPP Side				
	i.	Bogie No.	167109					167133				
	ii.	Frame No.	FIAT-5353					FIAT-5247				
	iii.	Bolster No.	6460-P					6496-P				
	iv.	Axle No.	S-1372		R-3355			K-6218		R-3663		
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	917.00	917.00	917.00	917.00		
	vi.	Wheel Disc No.	00184-6126	00048-6108	00017-6138	00042-6168	00142-6108	00013-6108	00098-6110	00102-6108		
	vii.	R.B. Nos.	87518	85172	79990	81003	94641	94049	93547	98575		
	viii.	R.B. Make	SKF		SKF			SKF		SKF		
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	Secondary suspension load deflection Values:											
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	Make & nos.	RSK-16-5-102	RSK-16-5-902	RSK-16-5-1076	RSK-16-5-714	RSK-16-3-803	RSK-16-3-913	RSK-16-3-727	RSK-16-3-816			
ii.	Ht. at test load	508	468	508	466	509	468	508	468			
iii.	Align .deviation	10	35	12	40	13	41	12	38			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			FSK-16-11			FSK-16-11			FSK	
	ii.	Primary inner Spring			G-12-6			G-12-6			GF	
	iii.	Primary Damper			376,380,390,542			377,471,389,426			GABRIEL	
	iv.	Secondary damper			690,653			0699,609			SV	
	v.	Lateral Damper			0036			039			SV	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			4113/691,4150/691 4122/691,4152/691			3754/691,3713/691 3755/691,3712/691			KBI	
	viii.	Brake Disc									KBI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									GMT	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									SGA	
	xiv.	Traction centre elastic									SGA	
	xv.	Secondary rubber pad									TESPACK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									SARITA	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									EMSON	
11.4	i.	Modification / Trial (if any):						NIL				
	ii.	Deviations (if any):						NIL				

LWSCZAC-6039



रोलिंग स्टॉक प्रमाण-पत्र

ROLLING STOCK CERTIFICATE

फार्म सं. Form QMF 9454; Version: 1
No. :

1.	शेल नं. SHELL No.	6036	डिस्पैच तिथि	DISPATCH DATE	07.03.2017
2.	रेलवे Railway	ER	Type	LWSCZAC	Coach No. 16154
3.	को बुक किया गया Booked to	SSE/C&W/LILUAH			
4.	खाली डिब्बे का भार Tare Weight of Coach	40.28 T			
5.	वहन क्षमता Carrying Capacity	सीटें Seating	78	शायिकाएं Sleeping	कोई नहीं NIL सामान Luggage कोई नहीं NIL
6.	शेल का विवरण Shell Details: (LW90023 alt 'a', LE90009 alt 'nil', LD9009 alt 'b')				
6.1	प्रमुख आयाम Leading Dimensions:				
i)	बॉडी की अधिकतम लंबाई Maximum length over Body	23700+10/-0 mm			
ii)	बॉडी की अधिकतम चौड़ाई Maximum width over Body	3240-8/+0 mm, 3050 mm (LWSCZDAC)			
iii)	रेल लेवल से अधिकतम ऊंचाई Max. Height From Rail Level	4250 (LWACCN), 4039 (LWACCW, LS, LWSCN), 4366 (LWSCZDAC)			
iv)	बफर /सीबीसी ऊंचाई Buffer/CBC Height	विनिर्दिष्ट Specified : 1105 +0 /-15 mm	1102	1105	
v)	बफर/सीबीसी मेक) Buffer/CBC (Make)	ESCORTS			
7.	एअर ब्रेक जांच Air Brake Testing:	विवरण Description	विनिर्दिष्ट Specified	Observed	
7.1	फुल ब्रेक एप्लीकेशन Full Brake Application	Reduce pressure of BP from 5.0 to 3.4 kg/cm ² Max Pressure in BC All Brake are applied	6 –10 sec 3.00 ± 0.15 Kg/cm ² OK	6 Sec 3.00 OK	
7.2	तीव्रता Insensitivity	Exhaust BP @ 0.3 kg/cm ² /min	No brake application	OK	
7.3	संवेदनशीलता Sensitivity	Exhaust BP @ 0.1 kg/cm ² /Sec, After 02 Sec.	Brake must apply	OK	
8.	पेंट का विवरण PAINTING DEATAILS:	पेंट का प्रकार TYPE OF PAINT	मेक MAKE	AVERAGE GLOSS VALUE	
8.1	पेंट PAINT		GS	85/87	
8.2	PCN-123 की एप्लीकेशन APPLICATION OF PCN-123				
8.3	इंसुलेशन INSUALTION				
9.	फर्निशिंग मदों संबंधी जानकारी Traceability of Furnishing Items:			मेक Make	
i.	ब्रेक उपकरण BRAKE EQUIPMENT			KBI	
iii.	सीडीटीएस BIO TOILET			RAIL FAB, JSL	
iv.	सीट एवं बर्थ SEAT & BERTH			ADVANCE	
v.	बॉडी साइड डोर BODY SIDE DOORS			JVR	
vi.	सैलून डोर SALOON COMPTT DOORS			KALSI	
vii.	वेस्टीब्यूल स्लाइडिंग डोर VESTIBULE SLIDING DOOR			HP	
viii.	वाटर टैंक WATER TANKS			RAIL FAB, AMIT	
ix	यूआईसी वेस्टीब्यूल UIC VESTIBULE			ESCORTS	
x	लगेज रैक LUGGAGE RACK				
XI	फ्लोर बोर्ड FLOOR BOARD			NARBADA	
XII	पीवीसी PVC			RESPONSIVE	
10.					
10.1	मॉडीफिकेशन/ट्रायल (यदि कोई हो) Modification / Trail (if any):			NIL	
10.2	डेविएशन यदि कोई हो Deviations if any:			NIL	



रेल डिब्बा कारखाना, कपूरथला

Rail Coach Factory , Kapurthala

Page 2 of 3

11.	Bogie Details:		Shell No.		Railway		Type		Coach No.		Dispatch Date	
			6036		ER		LWSCZAC		16154		28-12-2016	
11.1	Wheel & Axle Details:		PP Side						NPP Side			
	i.	Bogie No.	167108						167132			
	ii.	Frame No.	FIAT-4830						FIAT-5362			
	iii.	Bolster No.	6416-GT						6489-P			
	iv.	Axle No.	P-9678			R-2814			R-3326		R-3625	
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	916.00	
	vi.	Wheel Disc No.	00013-6179	00026-6179	00137-6179	00025-6133	00194-6133	00152-6132	00024-6008	00152-6008		
	vii.	R.B. Nos.	94014	86840	94249	87644	98835	62821	81063	62744		
	viii.	R.B. Make	SKF			SKF			SKF		SKF	
	ix.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING									
11.2	Secondary suspension load deflection Values:											
Description		Secondary 1		Secondary 2		Secondary 1		Secondary 2				
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner			
i.	Make & nos.	RSK-16-5-1090	RSK-16-5-1138	RSK-16-5-1231	RSK-16-5-918	RSK-16-3-930	RSK-16-3-1253	RSK-16-3-957	RSK-16-3-938			
ii.	Ht. at test load	511	463	509	468	512	467	512	468			
iii.	Align .deviation	4	32	7	34	4	28	4	28			
11.3	Items traceability:											
	Sno.	Item			PP Side Bogie			NPP side Bogie			Make	
	i.	Primary Outer Spring			GBD-16-11			GBD-16-11			GBD	
	ii.	Primary inner Spring			RSK-16-3			RSK-16-3			RSK	
	iii.	Primary Damper			351,443,436,461			354,652,415,463			GABRIEL	
	iv.	Secondary damper			0721,0589			0513,0749			SV	
	v.	Lateral Damper			0253			0124			SV	
	vi.	Yaw Damper									NIL	
	vii.	Brake cylinder & Caliper			4294/691,4149/691 4114/691,4151/691			3756/691,3714/691 3757/691,3715/691			KBI	
	viii.	Brake Disc									FTI	
	ix.	Ball joint Control arm									MGN	
	x.	Lateral Bump stop									GMT	
	xi.	Traction center make									SARITA	
	xii.	Traction lever make									SARITA	
	xiii.	Ball joint traction lever									SGA	
	xiv.	Traction centre elastic									SGA	
	xv.	Secondary rubber pad									TECSPACK	
	xvi.	Rubber spring									GMT	
	xvii.	Anti roll bar make									SARITA	
	xviii.	Ball joint roll link									SARITA	
	xix.	Fork make									SARITA	
11.4	i.	Modification / Trial (if any):						NIL				
	ii.	Deviations (if any):						NIL				

LWSCZAC-6036