



रेल डिब्बा कारखाना, कपूरथला
Rail Coach Factory , Kapurthala

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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6064	DISPATCH DATE				06.04.17
2.	Railway	ER	Type	LWSCN1	Coach No.	16237	
3.	Booked to		SSE/C&W/LILLUAH				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1105	1102		
	v)	Buffer/CBC (Make)	ESCORT	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	8688		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	I	BRAKE EQUIPMENT	FAIVELLY				
	ii	SEAT & BERTH	SAVITRY				
	iii	BODY SIDE DOORS	SUKATA				
	iv	WATER TANKS	SHIVALIK(AUX),AMIT & SHIVALIK(U/S)				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	SSIPL				
	viii	VESTIBULE SLIDING DOOR	HANSPAL				
	IX	BIOTOLET	RAIL TECH+JSL				
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6064	ER	LSCN	16237/C	24-03-2017			
11.1	Wheel & Axle Details:									
	i.	Bogie No.	176266				176264			
	ii.	Frame No.	ECBT-028				ECBT-020			
	iii.	Bolster No.	6761-P				6758-P			
	iv.	Axle No.	N-0467		N-6272		S-9398		S-9173	
	v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
	vi.	Wheel Dia.	916.50	917.00	916.00	916.00	917.00	917.00	917.00	917.00
	vii.	Wheel Disc No.	00176/73 01	00201/71 98	00134/622 5	00059/61 87	00031/6 177	00173/60 18	00016/618 8	00088/61 77
	viii.	R.B. Nos.	78898	78896	77062	77060	73359	73228	76602	81181
	ix.	R.B. Make	SKF		SKF		SKF		SKF	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING								
11.2	Secondary suspension load deflection Values:									
Description		Lateral Damper Side		Non Lat. Damper side		Lateral Damper Side		Non Lat.Damper side		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	RSK-16-4-216	RSK-16-4-032	RSK-16-4-181	RSK-16-4-24	RSK-16-4-266	RSK-16-4-028	RSK-16-4-249	RSK-16-4-872	
ii.	Ht. at test load	515	472	515	472	512	472	513	468	
iii.	Align .deviation	7	10	9	14	2	16	3	19	
11.3	Items traceability:									
	Sno.	Item							Make	
	i.	Primary Outer Spring			FSK-16-12		FSK-16-12		FSK	
	ii.	Primary inner Spring			G-15-02		G-15-02		GF	
	iii.	Primary Damper			37379,37482,37336,37472		37413,37502,37326,37399		KONI	
	iv.	Secondary damper			222,384		383,325		GEREP	
	v.	Lateral Damper			0478		0425		SV	
	vi.	Brake cylinder & Caliper			M16165/600,M16377/600 M16168/600,M16374/600		K16221/600,K16186/600 K16220/600,K16247/600		FTI	
	vii.	Brake Disc							KBI,FTI	
	viii.	Control arm top							KUMAR	
	ix.	Control arm bottom							KUMAR	
	x.	Top Rubber Pad							SGA	
	xi.	Vertical Bump Stop							GMT	
	xii.	Ball joint Control arm							MGN	
	xiii.	Lateral Bump stop							GMT	
	xiv.	Traction center make							EMSON	
	xv.	Traction lever make							EMSON	
	xvi.	Ball joint traction lever							SGA	
	xvii.	Traction centre elastic							SGA	
	xviii.	Secondary rubber pad							TECSPAK	
	x ix.	Rubber spring							GMT	
	x x.	Anti roll bar make							SARITA	
	x xi.	Ball joint roll link							SARITA	
	x xii.	Fork make							SARITA	
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6065	DISPATCH DATE				27.04.17
2.	Railway	ER	Type	LWSCN1	Coach No.	16241	
3.	Booked to		SSE/C&W/LILLUAH				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1105	1105		
	v)	Buffer/CBC (Make)	ESCORT	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	88/89		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:		Make				
	I	BRAKE EQUIPMENT	FAIVELLY				
	li	SEAT & BERTH	OVPL				
	lii	BODY SIDE DOORS	SUKATA				
	lv	WATER TANKS	SHIVALIK(AUX),AMIT & SHIVALIK(U/S)				
	v	FLOOR BOARD	TWPL				
	vi	PVC FLOORING	RESPONSIVE				
	vii	UIC VESTIBULE	SSIPL				
	viii	VESTIBULE SLIDING DOOR	HANSPAL				
	IX	BIOTOLET	RAIL TECH+MK				
10.							
	10.1	Modification / Trail (if any):	NIL				
	10.2	Deviations if any:	NIL				



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11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6065	ER	LSCN	16241	25-01-2017			
11.1	Wheel & Axle Details:		PP Side				NPP Side			
	i.	Bogie No.	176073				176074			
	ii.	Frame No.	SCI/FM-738				SCI/FM-740			
	iii.	Bolster No.	6515-P				6609-P			
	iv.	Axle No.	K-4169		R-3544		N-5670		N-0667	
	v.	Wheel Dia.	916.00	916.00	916.00	916.00	917.00	917.00	918.00	918.00
	vi.	Wheel Disc No.	00178-6212	00031-6180	00019-6212	00041-6180	00151-6139	00007-6138	00015-6069	00009-6069
	vii.	R.B. Nos.	86322	93062	86327	86308	87394	67394	94495	62828
	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-16-4-270	RSK-16-4-658	RSK-16-4-272	RSK-16-4-336	RSK-16-4-241	RSK-16-4-745	RSK-16-4-105	RSK-16-4-391	
ii.	Ht. at test load	515	472	513	472	516	471	516	472	
iii.	Align .deviation	4	6	6	9	8	9	9	10	
11.3	Items traceability:									
	Sno.	Item			PP Side Bogie		NPP side Bogie		Make	
	i.	Primary Outer Spring			FSK-16-12		FSK-16-12		FSK	
	ii.	Primary inner Spring			FSK-16-11		FSK-16-11		FSK	
	iii.	Primary Damper			35489,35695,35454,35455		36381,36541,36288,36029		KONI	
	iv.	Secondary damper			020,09		129,519		GEREP	
	v.	Lateral Damper			0504		0383		SV	
	vi.	Yaw Damper							NIL	
	vii.	Brake cylinder & Caliper							-----	
	viii.	Brake Disc							FTI	
	ix.	Ball joint Control arm							MGN	
	x.	Lateral Bump stop							GMT	
	xi.	Traction center make							SARITA	
	xii.	Traction lever make							AFW	
	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							EMSON	
	xviii.	Ball joint roll link							SARITA	
	xix.	Fork make							EMSON	
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				

LWSCN-6065



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	6072	DISPATCH DATE				28.04.17
2.	Railway	ER	Type	LWSCN1	Coach No.	16243	
3.	Booked to		SSE/C&W/LILLUAH				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1105	1105		
	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	87/88		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	I	BRAKE EQUIPMENT		FAIVELLY			
	ii	SEAT & BERTH		OVPL			
	iii	BODY SIDE DOORS		SUKATA			
	iv	WATER TANKS		SHIVALIK(AUX),AMIT & SHIVALIK(U/S)			
	v	FLOOR BOARD		TWPL			
	vi	PVC FLOORING		RESPONSIVE			
	vii	UIC VESTIBULE		SSIPL			
	viii	VESTIBULE SLIDING DOOR		HANSPAL			
	IX	BIOTOLET		RAIL TECH+MK			
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6072	ER	LSCN	16243	25-04-2017			
11.1	Wheel & Axle Details:									
	i.	Bogie No.	176384			176385				
	ii.	Frame No.	FIAT-5453			ECBT-053				
	iii.	Bolster No.	6905-GT			6890-GT				
	iv.	Axle No.	W-3221		W-3366		W-3214		W-3006	
	v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
	vi.	Wheel Dia.	915.50	915.50	916.00	916.00	917.00	917.00	917.00	917.00
	vii.	Wheel Disc No.	00145/7257	00088/6192	00044/6903	00008/6216	00017/7256	00016/7256	00020/7321	00180/6217
	viii.	R.B. Nos.	76401	76317	76693	76806	77538	76357	78792	78720
	ix.	R.B. Make	SKF		SKF		SKF		SKF	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING								
11.2	Secondary suspension load deflection Values:									
Description		Lateral Damper Side		Non Lat. Damper side		Lateral Damper Side		Non Lat.Damper side		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	RSK-16-4-220	GBD-17-3-213	RSK-16-4-100	GBD-17-3-216	RSK-16-4-185	GBD-17-3-222	RSK-16-4-215	GBD-17-3-214	
ii.	Ht. at test load	514	471	514	472	516	472	516	470	
iii.	Align .deviation	6	12	3	12	6	5	4	5	
11.3	Items traceability:									
	Sno.	Item					Make			
	i.	Primary Outer Spring		FSK-16-12		FSK-16-12		FSK		
	ii.	Primary inner Spring		FSK-15-6		G-15-9		FSK,GF		
	iii.	Primary Damper		35618,35367,35645,35365		35387,35611,35653,35634		KONI		
	iv.	Secondary damper		334,01		174,251		GEREP		
	v.	Lateral Damper		0030		0010		SV		
	vi.	Brake cylinder & Caliper		M16235/600,M16214/600 M16230/600,M16215/600		M16426/600,N-16069/600, M16424/600,N16068/600		FTI		
	vii.	Brake Disc						KBI		
	viii.	Control arm top						KUMAR		
	ix.	Control arm bottom						KUMAR		
	x.	Top Rubber Pad						SGA		
	xi.	Vertical Bump Stop						GMT		
	xii.	Ball joint Control arm						MGN		
	xiii.	Lateral Bump stop						GMT		
	xiv.	Traction center make						EMSON		
	xv.	Traction lever make						SARITA		
	xvi.	Ball joint traction lever						MGN		
	xvii.	Traction centre elastic						GMT		
	xviii.	Secondary rubber pad						TECSPAK		
	xix.	Rubber spring						GMT		
	xx.	Anti roll bar make						EMSON		
	xxi.	Ball joint roll link						SARITA		
	xxii.	Fork make						RNG		
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	6061	DISPATCH DATE				08.04.17
2.	Railway	ER	Type	LWSCN1	Coach No.	16240	
3.	Booked to	SSE/C&W/LILLUAH					
4.	Tare Weight of Coach	41.239 T					
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1105	1105		
	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	VIBGYOR	85/85		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	i	BRAKE EQUIPMENT		FAIVELLY			
	ii	SEAT & BERTH		SAVITRY			
	iii	BODY SIDE DOORS		SUKATA			
	iv	WATER TANKS		SHIVALIK(AUX),AMIT & SHIVALIK(U/S)			
	v	FLOOR BOARD		TWPL			
	vi	PVC FLOORING		RESPONSIVE			
	vii	UIC VESTIBULE		SSIPL			
	viii	VESTIBULE SLIDING DOOR		HANSPAL			
	IX	BIOTOLET		RAIL TECH+ORIENTAL VANEER			
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6061	ER	LSCN	16240/C	25-03-2017			
11.1	Wheel & Axle Details:									
	i.	Bogie No.	176271				176258			
	ii.	Frame No.	SCI/FM-798				ECBT-017			
	iii.	Bolster No.	6769-P				6781-P			
	iv.	Axle No.	S-9867		S-9424		S-9716		K-5874	
	v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
	vi.	Wheel Dia.	917.00	917.00	917.00	917.00	916.00	916.50	916.00	916.50
	vii.	Wheel Disc No.	00020/61 29	00056/60 67	00099/610 8	00027/60 67	0090/62 16	00051/60 70	00024/604 3	00248/60 70
	viii.	R.B. Nos.	76323	76321	76071	78179	81847	81608	80713	76831
	ix.	R.B. Make	SKF		SKF		SKF		SKF	
	x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING							
11.2	Secondary suspension load deflection Values:									
Description		Lateral Damper Side		Non Lat. Damper side		Lateral Damper Side		Non Lat.Damper side		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	RSK-16-4-87	RSK-16-4-624	RSK-16-4-245	RSK-16-4-804	RSK-16-4-237	RSK-16-4-868	RSK-16-4-083	RSK-16-4-626	
ii.	Ht. at test load	515	471	515	471	514	471	513	472	
iii.	Align .deviation	5	3	7	7	11	6	8	5	
11.3	Items traceability:									
	Sno.	Item						Make		
	i.	Primary Outer Spring		FSK-16-12		FSK-16-12		FSK		
	ii.	Primary inner Spring		RSK-16-2		RSK-16-2		RSK		
	iii.	Primary Damper		36584,36769,36751,35345		37484,37394,37378,37451		KONI		
	iv.	Secondary damper		337,221		0385,359		GEREP		
	v.	Lateral Damper		0499		0552		SV		
	vi.	Brake cylinder & Caliper		M16139/600,M16283/600 M16276/600,M16131/600		G16162/600,G16171/600 G16158/600,G16168/600		FTI		
	vii.	Brake Disc						FTI		
	viii.	Control arm top						KUMAR		
	ix.	Control arm bottom						KUMAR		
	x.	Top Rubber Pad						SGA		
	xi.	Vertical Bump Stop						GMT		
	xii.	Ball joint Control arm						MGN		
	xiii.	Lateral Bump stop						GMT		
	xiv.	Traction center make						EMSON		
	xv.	Traction lever make						AWF,SARITA		
	xvi.	Ball joint traction lever						MGN		
	xvii.	Traction centre elastic						SGA		
	xviii.	Secondary rubber pad						TECSPAK		
	xix.	Rubber spring						GMT		
	xx.	Anti roll bar make						SARITA		
	xxi.	Ball joint roll link						SARITA		
	xxii.	Fork make						SARITA		
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				



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1.	SHELL No.	6062	DISPATCH DATE				03.04.17
2.	Railway	ER	Type	LWSCN1	Coach No.	16235	
3.	Booked to		SSE/C&W/LILLUAH				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1105	1105		
	v)	Buffer/CBC (Make)	ESCORT	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	87/89		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	I	BRAKE EQUIPMENT		FAIVELLY			
	li	SEAT & BERTH		SAVITRY			
	lii	BODY SIDE DOORS		SUKATA			
	lv	WATER TANKS		SHIVALIK(AUX),AMIT & SHIVALIK(U/S)			
	v	FLOOR BOARD		TWPL			
	vi	PVC FLOORING		RESPONSIVE			
	vii	UIC VESTIBULE		SSIPL			
	viii	VESTIBULE SLIDING DOOR		HANSPAL			
	IX	BIOTOLET		RAIL TECH+JSL			
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6062	ER	LSCN	16235/C	21-03-2017			
11.1	Wheel & Axle Details:									
	i.	Bogie No.	176252				176253-A			
	ii.	Frame No.	FIAT-5511				FIAT-5562			
	iii.	Bolster No.	6767-P				6772-P			
	iv.	Axle No.	S-9486		R-3508		R-3662		N-6965	
	v.	Items/location ns	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
	vi.	Wheel Dia.	916.00	916.00	916.00	916.00	917.00	917.00	916.00	916.00
	vii.	Wheel Disc No.	00072/61 34	00175/61 75	00079/619 8	00078/61 98	00107/6 196	00099/62 01	00188/613 4	00176/61 34
	viii.	R.B. Nos.	81534	83681	80766	80390	86954	79880	81431	80536
	ix.	R.B. Make	SKF		SKF		SKF		SKF	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING								
11.2	Secondary suspension load deflection Values:									
Description		Lateral Damper Side		Non Lat. Damper side		Lateral Damper Side		Non Lat.Damper side		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	RSK-16-4- 211	RSK-16-4- 307	RSK-16-4- 104	RSK-16-4- 688	RSK-16-4- 060	RSK-16- 4-812	RSK-16- 4-210	RSK-16- 4-312	
ii.	Ht. at test load	513	471	514	472	516	471	516	471	
iii.	Align .deviation	3	2	7	6	7	7	11	14	
11.3	Items traceability:									
	Sno.	Item							Make	
	i.	Primary Outer Spring			G-14-3		G-14-3		GF	
	ii.	Primary inner Spring			G-15-02		G-15-02		GF	
	iii.	Primary Damper			36860,37157,37163,37248		36638,37158,37169,37249		KONI	
	iv.	Secondary damper			9,244		13,6		GEREP	
	v.	Lateral Damper			0579		0595		SV	
	vi.	Brake cylinder & Caliper			M16294/600,M16388/600 M16022/600,M16386/600		M16113/600,M16348/600 M16114/600,M16345/600		FTI	
	vii.	Brake Disc							FTI	
	viii.	Control arm top							KUMAR	
	ix.	Control arm bottom							KUMAR	
	x.	Top Rubber Pad							SGA	
	xi.	Vertical Bump Stop							GMT	
	xii.	Ball joint Control arm							MGN	
	xiii.	Lateral Bump stop							GMT	
	xiv.	Traction center make							EMSON	
	xv.	Traction lever make							SARITA	
	xvi.	Ball joint traction lever							SGA	
	xvii.	Traction centre elastic							SGA	
	xviii.	Secondary rubber pad							TECSPAK	
	x ix.	Rubber spring							GMT	
	x x.	Anti roll bar make							EMSON, SARITA	
	x xi.	Ball joint roll link							SARITA	
	x xii.	Fork make							SARITA	
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6070	DISPATCH DATE				06.04.17
2.	Railway	ER	Type	LWSCN1	Coach No.	16236	
3.	Booked to		SSE/C&W/LILLUAH				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1102	1105		
	v)	Buffer/CBC (Make)	ESCORT	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	86/89		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	I	BRAKE EQUIPMENT		FAIVELLY			
	li	SEAT & BERTH		SAVITRY			
	lii	BODY SIDE DOORS		--			
	lv	WATER TANKS		SHIVALIK(AUX), SHIVALIK(U/S)			
	v	FLOOR BOARD		TWPL			
	vi	PVC FLOORING		RESPONSIVE			
	vii	UIC VESTIBULE		SSIPL			
	viii	VESTIBULE SLIDING DOOR		--			
	IX	BIOTOLET		RAIL TECH+jsl			
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6070	ER	LSCN	16236/C	24-03-2017			
11.1	Wheel & Axle Details:									
	i.	Bogie No.	176263				176268			
	ii.	Frame No.	FIAT-5459				FIAT-5466			
	iii.	Bolster No.	6771-P				6766-P			
	iv.	Axle No.	S-9883		R-3674		S-9316		S-3098	
	v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
	vi.	Wheel Dia.	916.50	916.50	917.00	917.00	917.00	916.50	916.00	916.00
	vii.	Wheel Disc No.	00074/6018	00145/6107	00090/6187	00080/6225	00145/6188	00160/6188	00030/6177	00053/6018
	viii.	R.B. Nos.	72860	73271	76319	73347	81015	76844	75995	73352
	ix.	R.B. Make	SKF		SKF		SKF		SKF	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING								
11.2	Secondary suspension load deflection Values:									
Description		Lateral Damper Side		Non Lat. Damper side		Lateral Damper Side		Non Lat.Damper side		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	RSK-16-4-333	RSK-16-4-448	RSK-16-4-325	RSK-16-4-300	RSK-16-6-257	RSK-16-4-604	RSK-16-6-180	RSK-16-4-870	
ii.	Ht. at test load	516	471	515	472	513	472	515	472	
iii.	Align .deviation	7	8	4	2	7	11	4	9	
11.3	Items traceability:									
	Sno.	Item							Make	
	i.	Primary Outer Spring			G-14-3		G-14-3		GF	
	ii.	Primary inner Spring			G-15-02		G-15-02		GF	
	iii.	Primary Damper			37475,37371,37485,37444		37330,37329,37346,37499		KONI	
	iv.	Secondary damper			0240,258		256,285		GEREP	
	v.	Lateral Damper			0574		0535		SV	
	vi.	Brake cylinder & Caliper			M16245/600,M16304/600 M16150/600,M16322/600		M16248/600,M16303/600 M16093/600,M16323/600		FTI	
	vii.	Brake Disc							FTI	
	viii.	Control arm top							KUMAR	
	ix.	Control arm bottom							KUMAR	
	x.	Top Rubber Pad							SGA	
	xi.	Vertical Bump Stop							GMT	
	xii.	Ball joint Control arm							MGN	
	xiii.	Lateral Bump stop							GMT	
	xiv.	Traction center make							EMSON	
	xv.	Traction lever make							AWF	
	xvi.	Ball joint traction lever							MGN	
	xvii.	Traction centre elastic							SGA	
	xviii.	Secondary rubber pad							TECSPAK	
	xix.	Rubber spring							GMT	
	xx.	Anti roll bar make							EMSON	
	xxi.	Ball joint roll link							SARITA	
	xxii.	Fork make							SARITA	
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	6066	DISPATCH DATE				17.04.17
2.	Railway	ER	Type	LWSCN1	Coach No.	16242	
3.	Booked to		SSE/C&W/LILLUAH				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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		1100	1102	
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	88/89	
8.2	APPLICATION OF PCN-123		SATISFACTORY				
8.3	INSUALTION		SATISFACTORY				
9.	Traceability of Furnishing Items:					Make	
I	BRAKE EQUIPMENT					FAIVELLY	
ii	SEAT & BERTH					SAVITRY	
iii	BODY SIDE DOORS					SUKATA	
iv	WATER TANKS					SHIVALIK(AUX), AMIT(U/S)	
v	FLOOR BOARD					TWPL	
vi	PVC FLOORING					RESPONSIVE	
vii	UIC VESTIBULE					SSIPL	
viii	VESTIBULE SLIDING DOOR					HANSPAL	
IX	BIOTOLET					ORIENTAL PRODUCT PVT. LTD.	
10.							
10.1	Modification / Trail (if any):				NIL		
10.2	Deviations if any:				NIL		



11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6066	ER	LSCN	16242	30-03-2017			
11.1	<u>Wheel & Axle Details:</u>									
	i.	Bogie No.	176277				176291			
	ii.	Frame No.	ECBT-030				FIAT-5584			
	iii.	Bolster No.	6736-P				6803-P			
	iv.	Axle No.	S-9872		129233		K-6229		S-9800	
	v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
	vi.	Wheel Dia.	918.00	918.00	918.00	918.00	917.00	917.00	917.00	917.00
	vii.	Wheel Disc No.	00192/6179	00177/6067	00063/7216	00086/6227	00084/6216	00044/6138	00031/6225	00184/6107
	viii.	R.B. Nos.	23499	77491	77488	77496	63212	79778	86724	62791
	ix.	R.B. Make	SKF		SKF		SKF		SKF	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING								
11.2	<u>Secondary suspension load deflection Values:</u>									
Description		Lateral Damper Side		Non Lat. Damper side		Lateral Damper Side		Non Lat.Damper side		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	RSK-16-4-187	RSK-16-4-635	RSK-16-4-218	RSK-16-4-619	RSK-16-4-203	RSK-16-4-016	RSK-16-4-182	RSK-16-4-419	
ii.	Ht. at test load	511	470	513	471	515	472	516	472	
iii.	Align .deviation	04	14	02	12	10	11	10	15	
11.3	<u>Items traceability:</u>									
	Sno.	Item						Make		
	i.	Primary Outer Spring			G-14-3		FSK-16-12		GF,FSK	
	ii.	Primary inner Spring			RSK-16-2		RSK-16-2		RSK	
	iii.	Primary Damper			37316,37285,37305,37293		37312,37099,37252,37282		KONI	
	iv.	Secondary damper			350,232		239,029		GEREP	
	v.	Lateral Damper			0311		0453		SV	
	vi.	Brake cylinder & Caliper			M16104/600,M16301/600 M16252/600,M16268/600		-----		FTI/-----	
	vii.	Brake Disc							KBI,FTI	
	viii.	Control arm top							KUMAR	
	ix.	Control arm bottom							KUMAR	
	x.	Top Rubber Pad							SGA	
	xi.	Vertical Bump Stop							GMT	
	xii.	Ball joint Control arm							MGN	
	xiii.	Lateral Bump stop							GMT	
	xiv.	Traction center make							EMSON	
	xv.	Traction lever make							SARITA	
	xvi.	Ball joint traction lever							MGN	
	xvii.	Traction centre elastic							SGA	
	xviii.	Secondary rubber pad							TECSPAK	
	x ix.	Rubber spring							GMT	
	x x.	Anti roll bar make							SARITA, EMSON	
	x xi.	Ball joint roll link							SARITA	
	x xii.	Fork make							SARITA	
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				



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Form No. : QMF 9454; Version: 1

1.	SHELL No.	6068	DISPATCH DATE				06.04.17
2.	Railway	ER	Type	LWSCN1	Coach No.	16238	
3.	Booked to		SSE/C&W/LILLUAH				
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1100	1102		
	v)	Buffer/CBC (Make)	ESCORT	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	88/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:					Make	
	I	BRAKE EQUIPMENT				FAIVELLY	
	ii	SEAT & BERTH				SAVITRY	
	iii	BODY SIDE DOORS				SUKATA	
	iv	WATER TANKS				SHIVALIK(AUX), SHIVALIK(U/S)	
	v	FLOOR BOARD				TWPL	
	vi	PVC FLOORING				RESPONSIVE	
	vii	UIC VESTIBULE				SSIPL	
	viii	VESTIBULE SLIDING DOOR				HANSPAL	
	IX	BIOTOLET				RAIL TECH+JSL	
10.							
	10.1	Modification / Trail (if any):				NIL	
	10.2	Deviations if any:				NIL	



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11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6068	ER	LSCN	16238/C	25-03-2017			
11.1	Wheel & Axle Details:									
	i.	Bogie No.	176269				176267			
	ii.	Frame No.	FIAT-5549				SCI/FM-799			
	iii.	Bolster No.	6760-P				6782-P			
	iv.	Axle No.	R-3690		S-9906		S-9928		R-2826	
	v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
	vi.	Wheel Dia.	916.00	916.00	917.00	916.50	916.00	916.50	916.50	917.00
	vii.	Wheel Disc No.	00042/6194	00017/6188	00025/6177	00110/6177	00121/6216	00183/6107	00127/6194	00125/6043
	viii.	R.B. Nos.	79711	88351	98634	88036	86694	80974	81383	86556
	ix.	R.B. Make	SKF		SKF		SKF		SKF	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING								
11.2	Secondary suspension load deflection Values:									
Description		Lateral Damper Side		Non Lat. Damper side		Lateral Damper Side		Non Lat.Damper side		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	RSK-16-4-297	RSK-15-4-013	RSK-16-4-365	RSK-15-4-026	RSK-16-4-257	RSK-15-4-036	RSK-16-4-110	RSK-15-4-027	
ii.	Ht. at test load	514	472	513	472	513	469	514	471	
iii.	Align .deviation	12	11	10	9	6	13	4	10	
11.3	Items traceability:									
	Sno.	Item							Make	
	i.	Primary Outer Spring			FSK-16-12		FSK-16-12		FSK	
	ii.	Primary inner Spring			RSK-16-2		RSK-16-2		RSK	
	iii.	Primary Damper			37384,37478,37361,37468		37463,37350,37448,37362		KONI	
	iv.	Secondary damper			0315,008		220,206		GEREP	
	v.	Lateral Damper			493		430		SV	
	vi.	Brake cylinder & Caliper			M16275/600,M16259/600 M16277/600,M16256/600		M16278/600,M16258/600 M16140/600,M16282/600		FTI	
	vii.	Brake Disc							FTI	
	viii.	Control arm top							KUMAR	
	ix.	Control arm bottom							KUMAR	
	x.	Top Rubber Pad							SGA	
	xi.	Vertical Bump Stop							GMT	
	xii.	Ball joint Control arm							MGN	
	xiii.	Lateral Bump stop							GMT	
	xiv.	Traction center make							EMSON	
	xv.	Traction lever make							AWF	
	xvi.	Ball joint traction lever							MGN	
	xvii.	Traction centre elastic							SGA	
	xviii.	Secondary rubber pad							TECSPAK	
	x ix.	Rubber spring							GMT	
	x x.	Anti roll bar make							SARITA	
	x xi.	Ball joint roll link							SARITA	
	x xii.	Fork make							SARITA	
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				

LWSCN-6068



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ROLLING STOCK CERTIFICATE

Form No. : QMF 9454; Version: 1

1.	SHELL No.	6060	DISPATCH DATE				06.04.17
2.	Railway	ER	Type	LWSCN1	Coach No.	16239	
3.	Booked to			SSE/C&W/LILLUAH			
4.	Tare Weight of Coach		41.239 T				
5.	Carrying Capacity	Seating	80	Sleeping	80	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	1095	1102		
	v)	Buffer/CBC (Make)	ESCORT	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	85/87		
	8.2	APPLICATION OF PCN-123	SATISFACTORY				
	8.3	INSUALTION	SATISFACTORY				
9.	Traceability of Furnishing Items:			Make			
	I	BRAKE EQUIPMENT		FAIVELLY			
	ii	SEAT & BERTH		SAVITRY			
	iii	BODY SIDE DOORS		SUKATA			
	iv	WATER TANKS		MANOJ, SHIVALIK(U/S)			
	v	FLOOR BOARD		TWPL			
	vi	PVC FLOORING		RESPONSIVE			
	vii	UIC VESTIBULE		SSIPL			
	viii	VESTIBULE SLIDING DOOR		HANSPAL			
	IX	BIOTOLET		RAIL TECH+JSL			
10.							
	10.1	Modification / Trail (if any):			NIL		
	10.2	Deviations if any:			NIL		



11.	Bogie Details:		Shell No.	Railway	Type	Coach No.	Dispatch Date			
			6060	ER	LSCN	16239/C	27-03-2017			
11.1	Wheel & Axle Details:									
	i.	Bogie No.	176273				176274			
	ii.	Frame No.	FIAT-5533				FIAT-5519			
	iii.	Bolster No.	6770-P				6779-P			
	iv.	Axle No.	T-0057		T-0023		N-0483		S-1756	
	v.	Items/locations	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side	Earthing end side	Phonic wheel side	Phonic wheel side	Plane side
	vi.	Wheel Dia.	918.00	918.00	918.00	918.00	918.00	918.00	917.00	916.50
	vii.	Wheel Disc No.	00195/6203	00094/6144	00029/6129	00158/6216	00083/6203	00008/6203	00012/6194	00115/6203
	viii.	R.B. Nos.	24100	24364	77490	72791	24088	24300	80964	98064
	ix.	R.B. Make	SKF		SKF		SKF		SKF	
x.	RB Type	UIC CARTRIDGE TAPER ROLLER BEARING								
11.2	Secondary suspension load deflection Values:									
	Description	Lateral Damper Side		Non Lat. Damper side		Lateral Damper Side		Non Lat.Damper side		
		Outer	Inner	Outer	Inner	Outer	Inner	Outer	Inner	
i.	Make & nos.	RSK-16-4-107	RSK-15-4-22	RSK-16-4-100	RSK-15-4-047	RSK-16-4-219	RSK-16-4-533	RSK-16-4-068	RSK-16-4-833	
ii.	Ht. at test load	514	472	514	472	515	471	516	472	
iii.	Align .deviation	7	14	4	9	6	15	4	14	
11.3	Items traceability:									
	Sno.	Item						Make		
	i.	Primary Outer Spring			FSK-16-12		FSK-16-12		FSK	
	ii.	Primary inner Spring			RSK-16-2		RSK-16-2		RSK	
	iii.	Primary Damper			36802,36979,36985,36766		37007,35243,36804,36970		KONI	
	iv.	Secondary damper			384,170		257,236		GEREP	
	v.	Lateral Damper			0447		0445		SV	
	vi.	Brake cylinder & Caliper			M16092/600,M16325/600 M16395/600,M16363/600		M16096/600,M16327/600 M16152/600,M16364/600		FTI	
	vii.	Brake Disc							FTI	
	viii.	Control arm top							KUMAR	
	ix.	Control arm bottom							KUMAR	
	x.	Top Rubber Pad							SGA	
	xi.	Vertical Bump Stop							GMT	
	xii.	Ball joint Control arm							MGN	
	xiii.	Lateral Bump stop							GMT	
	xiv.	Traction center make							EMSON	
	xv.	Traction lever make							AWF	
	xvi.	Ball joint traction lever							MGN	
	xvii.	Traction centre elastic							SGA	
	xviii.	Secondary rubber pad							TECSPAK	
	xix.	Rubber spring							GMT	
	xx.	Anti roll bar make							SARITA	
	xxi.	Ball joint roll link							SARITA	
	xxii.	Fork make							SARITA	
11.4	i.	Modification / Trial (if any):				NIL				
	ii.	Deviations (if any):				NIL				

