

**ADDENDUM # 1 TO NIT**

**E-TENDER REF: 6300030179**

<b>NIT CLAUSE</b>	<b>FOR</b>	<b>READ AS</b>
<p><b>TECHNICAL BID: ANNEXURE II – PTS REQUIREMENTS</b></p>	<p><b>1. Qualification Criteria:</b> Bidders participating in this tender are required to meet the following qualification criteria.</p> <p>1.1 Subcontractor shall be an Original Equipment Manufacturer (OEM) of NOMEX Honeycomb semi-sandwich GFRP panels with glass phenolic prepreg and NOMEX Honeycomb core, for Railway Metro Rolling stock Interiors and Exteriors, having experience in design, manufacturing and testing of such panels.</p> <p>1.2 The sub-contractor shall have manufactured and supplied NOMEX Honeycomb semi-sandwich GFRP panels with glass phenolic prepreg and such supplies should have been in use and have established their satisfactory performance and reliability on at least three Mass Rapid Transit Systems in revenue service over a period of three years or more (in each MRTS) either outside the country of origin in three different countries or in an MRTS in India. Satisfactory Revenue service performance certificates for a period of 3 years or more from end users/ Metro Operators for the above shall be submitted along with the technical offer.</p> <p>1.3 The maximum weight of GFRP panels shall be 4.3 kg/ sq.m maximum.</p>	<p><b>1. Qualification Criteria:</b> Bidders participating in this tender are required to meet the following qualification criteria.</p> <p>1.1 Subcontractor shall be an Original Equipment Manufacturer (OEM) of Prepreg type FRP Honeycomb sandwich/ semi-sandwich panels for Railway Metro Rolling stock Interiors and Exteriors, having experience in design, manufacturing and testing of such panels.</p> <p>1.2 The sub-contractor shall have manufactured and supplied Honeycomb sandwich/ semi-sandwich Prepreg type FRP panels and such supplies should have been in use and have established their satisfactory performance and reliability on at least three Mass Rapid Transit Systems in revenue service over a period of three years or more (in each MRTS) either outside the country of origin in three different countries or in an MRTS in India. Satisfactory Revenue service performance certificates for a period of 3 years or more from end users/ Metro Operators for the above shall be submitted along with the technical offer.</p> <p>1.3 The weight of FRP panels supplied above shall be minimum, with a max. of 4.3 kg/ sq.m for 2.3mm thick laminate and max. 3.5 kg/sq.m for 10 mm thick honeycomb sandwich Panels.</p>

NIT CLAUSE	Description
<b>COMMERCIAL BID: ANNEXURE V 5. COMMERCIAL EVALUATION PROCEDURE</b>	i. Bidders to note that Table (1), (2), (3) and (4) have undergone change as new Stock No. <b>525PANELUTO</b> has been added in Table (1) & (2) and <b>525PANELUTORP</b> has been added in Table (3) & (4). ii. New line items ( <b>Sl. No. 33 to 36</b> ) have been created in SRM portal to submit prices for the above new Stock numbers. iii. The list of panels under Stock No. 525PANELUTO and 525PANELUTORP are given under <b>Kit – 5</b> below. iv. Kit 1, Kit 3 and Kit 4 have undergone changes. Bidders to consider <b>Kit 1 Rev 01, Kit 3 Rev 01</b> and <b>Kit 4 Rev 01</b> given below for submission of bids.

**Table (1) for 252 cars in Painted Condition:**

FOR: EXISTING

READ AS:

Sl. No.	Stock No.	Description	UOM	Total Qty for 42 TS (A)	Kit Details	Unit Price (B)	Ext Price (C) = A*B
1	525PANELCABDM	Cab Interior Panels - DM	Set	84	<b>As per Kit 1 Rev 01</b>		
2	525PANELDM	Saloon Interior Panels - DM	Set	84	As per Kit 2		
3	525PANELT	Saloon Interior Panels - T	Set	84	<b>As per Kit 3 Rev 01</b>		
4	525PANELM	Saloon Interior Panels - M	Set	84	<b>As per Kit 4 Rev 01</b>		
5	52518010	Cab Mask Assembly	NO	84			
6	52518011300	Cab Skirt Assembly RH	NO	84			
7	52518011301	Cab Skirt Assembly LH	NO	84			
8	525PANELUTO	Cab Interior Panels-DM Car (UTO Mod)	Set	84	<b>As per Kit 5</b>		
9		NRC, if any	Set	1			
10		Statement of Deviation	Set	1			
				GRAND TOTAL Σ C			

**Table (2) for 126 cars in Painted Condition:**

FOR: EXISTING

READ AS:

Sl. No.	Stock No.	Description	UOM	Total Qty for 21 TS (D)	Kit Details	Unit Price (E)	Ext Price (F) = D*E
1	525PANELCABDM	Cab Interior Panels - DM	Set	42	<b>As per Kit 1 Rev 01</b>		
2	525PANELDM	Saloon Interior Panels - DM	Set	42	As per Kit 2		
3	525PANELT	Saloon Interior Panels - T	Set	42	<b>As per Kit 3 Rev 01</b>		
4	525PANELM	Saloon Interior Panels - M	Set	42	<b>As per Kit 4 Rev 01</b>		
5	52518010	Cab Mask Assembly	NO	42			
6	52518011300	Cab Skirt Assembly RH	NO	42			
7	52518011301	Cab Skirt Assembly LH	NO	42			
8	525PANELUTO	Cab Interior Panels-DM Car (UTO Mod)	SET	42	<b>As per Kit 5</b>		
					GRAND TOTAL $\Sigma$ F		

**Table (3) for 252 cars Raw Panels:**

FOR: EXISTING

READ AS:

Sl. No.	Stock No.	Description	UOM	Total Qty for 42 TS (G)	Kit Details	Unit Price (H)	Ext Price (I) = G*H
1	525PANELCABDMRP	Cab Interior Panels - DM	Set	84	<b>As per Kit 1 Rev 01</b>		
2	525PANELDMRP	Saloon Interior Panels - DM	Set	84	As per Kit 2		
3	525PANELTRP	Saloon Interior Panels - T	Set	84	<b>As per Kit 3 Rev 01</b>		
4	525PANELMRP	Saloon Interior Panels - M	Set	84	<b>As per Kit 4 Rev 01</b>		
5	52518010RP	Cab Mask Assembly	NO	84			
6	52518011300RP	Cab Skirt Assembly RH	NO	84			
7	52518011301RP	Cab Skirt Assembly LH	NO	84			
8	525PANELUTORP	Cab Interior Panels – DM (UTO) Raw Panels	Set	84	<b>As per Kit 5</b>		
9		NRC, if any	Set	1			
10		Statement of Deviation	Set	1			
				<b>GRAND TOTAL Σ I</b>			

**Table (4) for 126 cars Raw Panels:**

FOR: EXISTING

READ AS:

Sl. No.	Stock No.	Description	UOM	Total Qty for 21 TS (J)	Kit Details	Unit Price (K)	Ext Price (L) = J*K
1	525PANELCABDMRP	Cab Interior Panels - DM	Set	42	<b>As per Kit 1 Rev 01</b>		
2	525PANELDMRP	Saloon Interior Panels - DM	Set	42	As per Kit 2		
3	525PANELTRP	Saloon Interior Panels - T	Set	42	<b>As per Kit 3 Rev 01</b>		
4	525PANELMRP	Saloon Interior Panels - M	Set	42	<b>As per Kit 4 Rev 01</b>		
5	52518010RP	Cab Mask Assembly	Set	42			
6	52518011300RP	Cab Skirt Assembly RH	Set	42			
7	52518011301RP	Cab Skirt Assembly LH	Set	42			
8	525PANELUTORP	Cab Interior Panels – DM (UTO) Raw Panels	Set	42	<b>As per Kit 5</b>		
				<b>GRAND TOTAL Σ L</b>			

**Kit 1 – Rev 01:**

<b>List of GFRP Panels for "525PANELCABDM" &amp; "525PANELCABDMRP" for DM car (Cab)</b>			
<b>Sl. No.</b>	<b>Part No.</b>	<b>Description</b>	<b>Qty / CAB Kit</b>
1	52518102	CAB FRONT UPPER PANEL ASSY	1
2	52518103300	COVER INSPECTION-A	1
3	52518103301	COVER INSPECTION-A	1
4	52518104	COVER INSPECTION-B	1
5	52518105300	PANEL FRONT-LH	1
6	52518105301	PANEL FRONT-RH	1
7	52518106	PANEL SIDE LH	1
8	52518107	PANEL SIDE RH	1
9	52518109	PANEL MOU BOX	1
10	52518110	PANEL AUX. DESK	1
11	52518111	PANEL DRIVER DESK	1
12	52518112	PANEL COVER-1, AUX DESK	1
13	52518113	PANEL COVER-2, AUX DESK	1
14	52518114	PANEL COVER-1 DRIVER DESK	1
22	52518121	PANEL TRCP BOX	1
24	52518123	PANEL CCTV BOX	1

**Kit 2:** [No change]

<b>List of GFRP Panels for Kit "525PANELDM / 525PANELDMRP" for DM Car (Saloon) - MRS1</b>			
<b>Sl. No.</b>	<b>Part No.</b>	<b>Description</b>	<b>Qty / DM Kit</b>
1	52519110	PANEL WINDOW MASK A	2
2	52519111	PANEL, WINDOW MASK B	2
3	52519112	PANEL, WINDOW MASK C	1
4	52519113	PANEL WINDOW MASK D	1
5	52519114	PANEL WINDOW MASK E	1
6	52519116	PANEL WINDOW MASK G	1
7	52519119	PANEL DOOR PILLAR A	1
8	52519120	PANEL DOOR PILLAR B	1
9	52519150	PANEL DOOR COVING A	2
10	52519151	PANEL DOOR COVING B	2
11	52519152	PANEL DOOR COVING C	2
12	52519155	PANEL DOOR COVING F	2
13	52519157	PANEL COVING A	5
14	52519158	PANEL COVING B	1
15	52519159	PANEL COVING C	3
16	52519160300	PANEL COVING D-LH	1
17	52519160301	PANEL COVING D-RH	1
18	52519161	PANEL COVING E	2
19	52519162300	PANEL COVING F- LH	1
20	52519162301	PANEL COVING F- RH	1
21	52519163	PANEL COVING G	1
22	52519164	PANEL COVING H	1
23	52519165	PANEL COVING J	2
24	52519174	INFILL STRIP A	12
25	52519175	INFILL STRIP B	5
26	52519176	INFILL STRIP C	2
27	52519177	INFILL STRIP D	1
28	52519178	INFILL STRIP E	2
29	52519179	INFILL STRIP F	1
30	52519186	PANEL CEILING END-DM	1
31	52519187300	PANEL COVER INSPECTION-DM	1
32	52519187301	PANEL COVER INSPECTION-DM	1
33	52519188300	PANEL PARTITION END-DM	1
34	52519188301	PANEL PARTITION END-DM	1
35	52519189300	PANEL END-DM	1
36	52519189301	PANEL END-DM	1
37	52519235	PANEL INSPECTION COVER-TOP DM	1
38	52519236	PANEL INSPECTION COVER-SIDE DM	1
39	52519233	PANEL INSPECTION COVER ESD	4
40	52519297	PANEL INSPECTION COVER BIC	2
41	52539050300	DUMMY ASSY-DM	4
42	52539050301	DUMMY ASSY-DM	4

**Kit 3 – Rev 01:**

<b>List of GFRP Panels for Kit "525PANELT / 525PANELTRP" for T car (Saloon) - MRS1</b>			
<b>Sl. No.</b>	<b>Part No.</b>	<b>Description</b>	<b>Qty / T Kit</b>
1	52519110	PANEL WINDOW MASK A	2
2	52519111	PANEL, WINDOW MASK B	2
3	52519112	PANEL, WINDOW MASK C	2
4	52519117	PANEL WINDOW MASK H	1
5	52519118300	PANEL WINDOW MASK J	1
6	52519118301	PANEL WINDOW MASK J	1
7	52519151	PANEL DOOR COVING B	2
8	52519152	PANEL DOOR COVING C	2
9	52519153	PANEL DOOR COVING D	2
10	52519154	PANEL DOOR COVING E	2
11	52519157	PANEL COVING A	5
12	52519158	PANEL COVING B	1
13	52519159	PANEL COVING C	3
14	52519165	PANEL COVING J	3
15	52519166300	PANEL COVING K	2
16	52519166301	PANEL COVING K	2
17	52519174	INFILL STRIP A	14
18	52519175	INFILL STRIP B	6
19	52519190	PANEL CEILING END-T	1
20	52519191300	PANEL COVER INSPECTION M/T	2
21	52519191301	PANEL COVER INSPECTION M/T	2
22	52519192300	PANEL PARTITION END M/T	2
23	52519192301	PANEL PARTITION END M/T	2
24	52519193300	PANEL END M/T	2
25	52519193301	PANEL END M/T	2
26	52519194	PANEL INSPECTION COVER-TOP M/T	2
27	52519195	PANEL INSPECTION COVER-SIDE T	4
28	52519233	PANEL INSPECTION COVER ESD	4
29	52519297	PANEL INSPECTION COVER BIC	2
30	52539051300	DUMMY ASSY-M/T	2
31	52539051301	DUMMY ASSY-M/T	2
32	52519115	PANEL WINDOW MASK F	1



**Kit 4 – Rev 01:**

List of GFRP Panels for Kit "525PANELM / 525PANELMRP" for M car (Saloon) - MRS1			
Sl. No.	Part No.	Description	Qty / M Kit
1	52519110	PANEL WINDOW MASK A	2
2	52519111	PANEL, WINDOW MASK B	2
3	52519112	PANEL, WINDOW MASK C	2
4	52519117	PANEL WINDOW MASK H	1
5	52519118300	PANEL WINDOW MASK J	1
6	52519118301	PANEL WINDOW MASK J	1
7	52519151	PANEL DOOR COVING B	2
8	52519152	PANEL DOOR COVING C	2
9	52519153	PANEL DOOR COVING D	2
10	52519154	PANEL DOOR COVING E	2
11	52519157	PANEL COVING A	5
12	52519158	PANEL COVING B	1
13	52519159	PANEL COVING C	3
14	52519165	PANEL COVING J	3
15	52519166300	PANEL COVING K	2
16	52519166301	PANEL COVING K	2
17	52519174	INFILL STRIP A	14
18	52519175	INFILL STRIP B	6
19	52519191300	PANEL COVER INSPECTION M/T	2
20	52519191301	PANEL COVER INSPECTION M/T	2
21	52519192300	PANEL PARTITION END M/T	2
22	52519192301	PANEL PARTITION END M/T	2
23	52519193300	PANEL END M/T	2
24	52519193301	PANEL END M/T	2
25	52519194	PANEL INSPECTION COVER-TOP M/T	2
26	52519195	PANEL INSPECTION COVER-SIDE T	2
27	52519196	PANEL CEILING END-M	1
28	52519233	PANEL INSPECTION COVER ESD	4
29	52519297	PANEL INSPECTION COVER BIC	2
30	52539051300	DUMMY ASSY-M/T	2
31	52539051301	DUMMY ASSY-M/T	2
32	52519115	PANEL WINDOW MASK F	1

**Kit 5: [New Kit added]**

<b>List of GFRP Panels for Kit "525PANELCABUTO / 525PANELCABUTORP" for DM car (Cab) - MRS1</b>			
<b>Sl. No.</b>	<b>Part No.</b>	<b>Description</b>	<b>Qty / CAB Kit</b>
1	52518108	CONCEALED COVER SIDE PANEL-LH	1
2	52518115	CONCEALED COVER SIDE PANEL-RH	1
3	52518116	CONCEALED COVER MOU PANEL	1
4	52518117	CONCEALED COVER CCTV	1
5	52518118	CONCEALED COVER DRIVER DESK-1	1
6	52518119	CONCEALED COVER DRIVER DESK-1	1
7	52518120	DRIVER DESK BOTTOM PANEL	1
8	52518122	CONCEALED COVER TRCP PANEL	1

**DRAWINGS:**

The following drawings are revised and 4 new drawings have been added in panels kit "525PANELCABDM", "525PANELDM" , "525PANELM" and "525PANELT".

SL NO	Kit No.	Drawing No.	ALT	Description	Remarks
1	525PANELCABDM	525-18106	1	PANEL SIDE LH	Revised drawing
2		525-18107	1	PANEL SIDE RH	Revised drawing
3		525-18108	1	CONCEALED COVER SIDE PANEL-LH	Revised drawing
4		525-18109	1	PANEL MOU BOX ASSY	Revised drawing
5		525-18110	1	PANEL AUX. DESK	Revised drawing
6		525-18111	1	PANEL DRIVER DESK	Revised drawing
7		525-18113	1	PANEL COVER-2, AUX. DESK	Revised drawing
8		525-18116	1	CONCEALED COVER MOU PANEL	Revised drawing
9		525-18117	1	CONCEALED COVER CCTV	Revised drawing
10		525-18121	-	PANEL TRCP BOX	New drawing
11		525-18122	-	CONCEALED COVER TRCP	New drawing
12		525-18123	-	PANEL CCTV BOX	New drawing
13	525PANELDM	525-19113	1	PANEL WNDOW MASK D	Revised drawing
14		525-19116	1	PANEL WNDOW MASK G	Revised drawing
15		525-19178	1	INFILL STRIP E	Revised drawing
16		525-19188-300	1	PANEL PARTITION END DM	Revised drawing
17		525-19188-301	1	PANEL PARTITION END DM	Revised drawing
18	525PANELM & 525PANELT	525-19115	-	PANEL WNDOW MASK F	New drawing