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Engineer-in-Chief's Branch
Integrated HQ of MoD (Army)
Kashmir House, Rajaji Marg
New Delhi - 110 011

66546/SSR-II/Rates-2010/161/E8

19 Dec 2014

List 'A' & 'B'


AMENDMENTS TO SSR-2010 PART II

1. Further to this HQ letter No.66546/SSR-II/Rates-2010/141/E8 dated 08 Aug 2012 circulating amendment SI No.56.
2. Amendment to SSR-2010 Part II bearing serial number 57 & 58 as under be incorporated. This is based on Drawing Nos.STD-164/2014 Sheet ¼ to 4/4 issued by Dte of Architecture E-in-C's Branch "uPVC window details" which shall be referred to .

SI No.	Page No.	SSR Item No.	Location	Particulars
57	146	-	Add After Serial 8.B.10	Refer sheet ¼ attached
58	155	08141	Add after serial 08141	Refer sheet 2/4 to 4/4 attached

3. This amendment shall be effective from the date of issue of this letter. Amendment is uploaded on MES website and the same may be downloaded.
4. This information may please be disseminated upto subdivision level at your end.

Encl. Sheet No.1/4 to 4/4


(Prakash Makhijani)
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For E-in-C

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Internal

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For necessary action as per para 4 of this HQ letter No.66546/SSR-II/Rates 2010/TUE/E8 dated 14 Sep 2010.

This letter with enclosures be uploaded on MES Website under "Technical" Tab as no hard copy is being dispatched separately.

Amendment No.57

Inclusion of specifications and rates of uPVC windows/doors

Please add following after serial 8.B.10 on page 146 of SSR 2010 Part-II Rates :-

8.C.1 uPVC frames

8.C.1.1 Material

Polyvinyl chloride Resin suspension grade is the basic raw material for forming PVC compound. PVC resin then is mixed with chemicals like Calcium, Stearate, Hydrocarbon Wax, Titanium Dioxide, Calcium Carbonate, Acrylic processing aids. Further, additives like impact modifiers, pigments, epoxy plasticizer, UV stabilizer, lubricants, chemical blowing agent etc. are added. The purpose of adding the chemicals and additives is to impart cellular structure, strength, surface finish, colour and resistance to fading by light rays. These chemicals are mixed in the desired proportion and shall be used in the formulation of PVC material and for free and smooth extrusion of PVC profiles.

8.C.1.2 uPVC frames

uPVC frames shall be made of PVC material conforming to IS 10151. The frame shall be made from extruded uPVC section having overall dimensions as indicated and having minimum wall thickness of $2.0\text{mm} \pm 0.2\text{ mm}$. Corners of the frames shall be reinforced. The frame shall be fabricated in factory as per nomenclature of the item and as directed.

8.C.1.3 Fixing of Frames

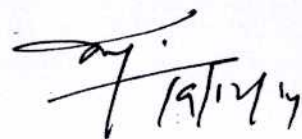
The frames are to be fixed in prepared openings in the walls. All civil work and tiling should be completed before the fixing of the frames. The frames are to be fixed directly on the plastered wall. In case tiling is to be done in the place the frames are to be fitted, a 50mm strip should be left untiled at the location where the frames are to be fitted. The frames are erected in the prepared opening such that the vertical members of the r frame are embedded by 50mm. The frame shall be fitted truly in plumb. A minimum of three anchor bolts or screws of size 65/100 shall be used to fix each vertical member. One bolt shall be fixed at 200mm from the top member and one bolt shall be fixed at 200mm from the base surface. The third anchor bolt shall be fixed in the center. The top horizontal member shall be fixed using two 65/100 size anchor bolts or screws at a distance of 200 mm from both the corners.

8.C.1.4 Measurements

The outer length of the vertical and horizontal members of uPVC frame shall be measured in running metres corrected upto a cm.

8.C.1.5 Rate

The rate includes the cost of the materials and labour involved in all the operations described above. The cost of anchor bolts or screws for joining the frame is included in the rate. Any other hardware, which may be required, shall be paid for separately.



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Amendment No.58

Please add following after serial 08141 on page 155 of SSR 2010 Part-II Rates :-.

PER RUNNING METRE		S&F	Material only
08142	Providing and fixing factory made uPVC white colour casement/sliding window/door, made of extruded profiles. Profiles of frames and sash will be mitered cut and fusion welded at all corners, including drilling of holes for fixing hardware and drainage of water etc., making arrangement for fixing of hardware, EPDM gasket, 1.2+ 0.2.mm thick galvanized steel profile to be inserted in required profile, frame will be fixed to the wall with 8mmx100mm long fasteners, all complete and as directed. (Glazing, hardware hinges and fitting ,EPDM rubber gasket etc, to be paid separately.) Note: - Each member of window to be measured separately with clear length.		
A	Casement window (outward /inward opening) with hinge system		
A(1)	Frame (60mm x 58mm)	418.28	167.55
A(2)	Sash (Style and rail) (60 mm x 78mm)	643.61	246.02
A(3)	Mullion (intermediate section) (61mm x 62mm)	363.61	153.72
A(4)	'T' Profile (one vertical length in between two shutters) (60 mm X74mm)	369.41	199.16
A(5)	Glazing bead (35mmx20mm)	291.24	120.40
A(6)	Reinforcement 'T' profile 27mmx17mm	52.47	22.04
A(7)	Reinforcement sash(31 mmx27.5mm)	97.46	40.93
A(8)	Reinforcement frame(28mmx21.5mm)	68.82	28.90
A(9)	Reinforcement mullion(25mmx26mm)	71.33	29.96
B	Casement window (with friction hinge & outward opening)		
B(1)	Frame (60mmx58mm)	283.34	141.17
B (2)	Sash/Mullion(60mmx73mm) (style, rail and intermediate section)	316.74	164.88
B(3)	Glazing bead (35mmx30mm)	133.40	68.79
B(4)	Reinforcement frame(28mmx21.5mm)	68.82	28.90
B(5)	Reinforcement sash(31 mmx20.5mm)	73.82	31.00

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Amendment No.58 (continued)

	EACH	S&F	Material only
08143	Providing and fixing stainless steel (SS-304 grade) friction hinges to the side/top hung uPVC windows, of approved quality, with necessary stainless steel screws etc. as directed.		
A	200X19X1.9mm	209.28	171.96
B	250X19X1.9mm	249.24	206.36
C	300x19x1.9mm	313.09	261.38
D	350x19x1.9mm	361.09	302.66
E	400x19x1.9mm	448.96	378.32
08144	Providing and fixing casement handle made of zinc alloyed (white powder coated) for uPVC casement window with necessary screws etc. complete	149.02	123.81
08145	Providing and fixing zinc alloyed (white powder coated) touch lock for uPVC sliding window with necessary screws etc. complete	101.08	82.54
08146	Providing and fixing steel roller for uPVC sliding window with necessary screws etc, complete	49.15	40.30
08147	Providing and fixing steel roller for uPVC sliding door with necessary screws etc. complete.	77.10	63.22
08148	Providing and fixing steel (white power coated) crescent lock for uPVC sliding window/door with necessary crews etc. complete.	93.10	76.30
08149	Zinc alloy rollers for uPVC windows	46.33	37.83
08150	Zinc alloy rollers for uPVC doors	75.81	61.91
08151	Zinc alloy (white powder coated) casement lock for uPVC windows	92.65	75.66
	<u>RUNNING METRE</u>		
08152	Aluminium track on bottom rail for uPVC window	23.58	19.26
08153	Wood pine for uPVC window	16.80	13.76
08154	Neoprene /EPDM rubber gasket	18.92	15.50

Signature
19/12/14

