

East Central Railway



Office of the
General Manager (Engg.)/Hajipur

PCE's Circular No.- 39 /2009/Works

Sub. : Standards of flooring and wall surface in Station Premises.

The provisions for standards of flooring and wall surface for stations on East Central Railway were issued vide PCE's circular no. 24/2007/Works. These provisions have been reviewed and modified in light of ED/Works/RDSO's letter no.WKS/WS/05/FS dated 22.09.09. The modified standards for different category of stations are attached as Annexure- 'A'.

Henceforth, these standards will be followed for all new works/ major renovation works. In case the existing floor/ finish is different from the proposed one, there is no need of immediate replacement/ change unless these are needed to be replaced on condition basis.

The provisions contained in this circular for different class of stations supersede the earlier provisions of PCE's circular no. 24/2007/ Works.

This issues with the approval of PCE.

DA: As above (3 pages).

(R.P.Diwakar)

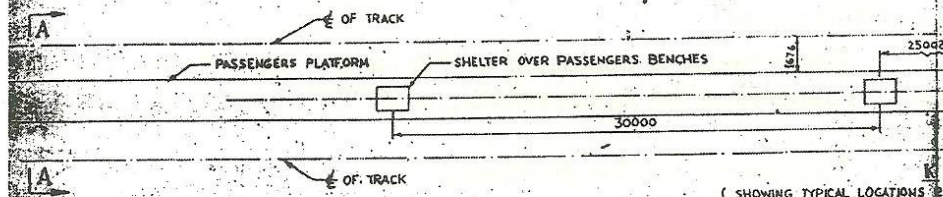
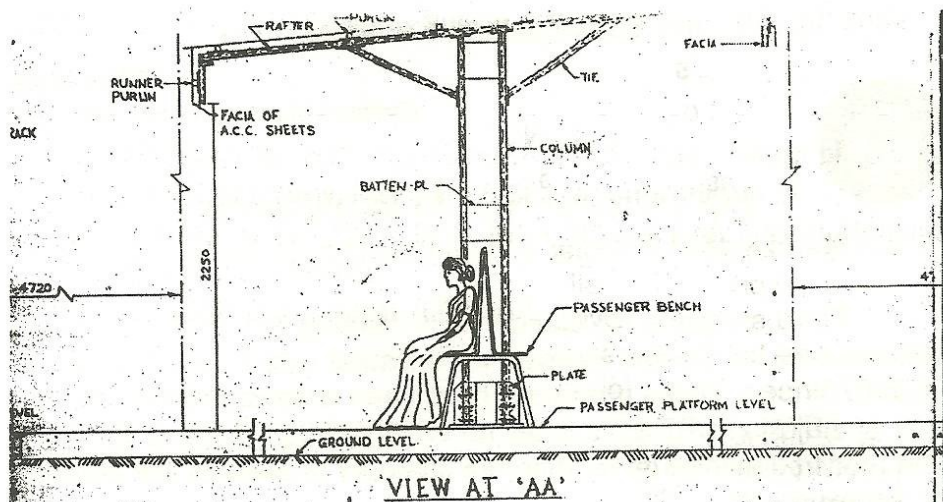
Chief Engineer/Works

Docket No. W-2/118/09/Works Policy/ 449
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Date-01.12..2009

1. CAO/Con/N/MHX, CAO/Con/S/MHX for information pl.
2. DRM/DNR, DHN, MGS, SPJ & SEE for information pl.
3. Sr. DEN/Co-ord./DNR, DHN, MGS, SPJ & SEE for information and necessary action pl.
4. All HOD/ Engg. Deptt./ECR/HJP

(Niraj Kumar)
Dy. CE/Works



ERECTION MARK	DESCO
①	BUILT UP
②	RAFTER OF
③	TIE MEMBR
④	TIE MEMBR
⑤	FACIA MEM
⑥	PURLINS OF
⑦	RUNNER OF
⑧	HORZ. MEM
⑨	BASE PL
⑩	ANCHOR
⑪	A.C.C. SHE
⑫	ROOFING OF

नोट में है।
सम्बन्धित दस्तावेज संख्या और की संख्या 10/11/78
है।
का अन्तर्गत गति शक्ति की दिशा में गति की दिशा में

1. ALL DIMENSIONS ARE IN MILLIMETRE.
2. FOR RELEVANT STRUCTURAL DRG. REFER DRG. NO. RDSO/B-1785.
3. SUCH SHELTER SHALL BE UNIFORMLY DISTRIBUTED ALONG PLATFORM LENGTH FOR BETTER UTILISATION OF SHADED SPACE.

Station Premises - Standards for floor & walls surfaces

(Annexure to PCE* circular no. 39/2009)

Docket. No. W-2/118/09/works Policy /449

Date 01.12.2009)

Sl. No.	Platform	Place	Class of str.	Type of flooring
1	(a) High level	(i) Under Platform Shelter	A1, A & B	Polished granite flooring (only on main platform).
				Polished kota stone or similar stone flooring.
				Fibre reinforced vacuum dewatered concrete flooring
			D	[Dado: upto 1500 mm ht. or upto sill level of window whichever is lower with polished granite of matching colour with flooring.]
				Fibre reinforced vacuum dewatered concrete flooring
				Polished kota stone/similar stone flooring (only on main platform).
			E	Mastic flooring
				Interlocking precast cement concrete hydraulically pressed paver blocks using plastic moulds.
				Rough dressed stone slab flooring
		(ii) Beyond Platform shelter	A1, A & B	Brick on edge.
				Interlocking precast cement concrete hydraulically pressed paver blocks using plastic moulds.
				Interlocking pre cast cement concrete paver block hydraulically pressed
			D	Moorum surface flooring
				Quarry dust flooring
				Polished kota stone or similar stone flooring
			E	Fibre reinforced vacuum dewatered concrete flooring
				Fibre reinforced vacuum dewatered concrete flooring
				Interlocking precast cement concrete hydraulically pressed paver blocks using plastic moulds.
		(iii) No trolley zone on edges of Platform	A1, A, B & D	Interlocking precast cement concrete hydraulically pressed paver blocks using plastic moulds
				Rough dressed stone slab
				Brick on edge
			E & F	Interlocking pre cast cement concrete hydraulically pressed paver blocks using plastic moulds
				Brick on edge
				Moorum
			E & F	Interlocking pre cast cement concrete hydraulically pressed paver blocks using plastic moulds
				C.C.coping slabs with top surface indented by XPM or some other method.
				Chequered C.C. tiles
(b) Medium level	(i) Under Platform Shelter	(i) Under Platform Shelter	B	Interlocking precast cement concrete hydraulically pressed paver blocks using plastic moulds
				Mastic flooring
				Fibre reinforced vacuum dewatered concrete flooring
			D & E	Interlocking Precast cement concrete hydraulically pressed paver blocks using plastic moulds
				Mastic flooring
				Interlocking Precast cement concrete hydraulically pressed paver blocks using plastic moulds
			F	Rough dressed stone slab flooring
				Brick on edge soling
				Moorum surface flooring
				Quarry dust flooring

Sl. No	Platform	Place	Class of str.	Type of flooring
		(ii) Beyond Platform shelter	B	Interlocking Precast cement concrete hydraulically pressed paver blocks using plastic moulds
				Mastic flooring
				Fibre reinforced vacuum dewatered concrete flooring
			D	Interlocking Precast cement concrete hydraulically pressed paver blocks using plastic moulds
				Rough dressed stones slab
			E & F	Interlocking precast cement concrete hydraulically pressed paver blocks using plastic moulds
				Rough dressed stone slab
				Brick on edge
				Moorum
		(iii) No trolley zone on edges of Platform	B & D	Precast concrete studded tiles manufactured by vibro compaction process and using jointless FRP moulds
				Heavy duty (high strength, high abrasion resistance) precast chequered tile
				Interlocking precast cement concrete hydraulically pressed paver blocks using plastic moulds
			E & F	C.C.coping slabs with top surface indented by XPM or some other method.
				Chequered C.C. tiles
	(c) Rail level	(i) Under Platform Shelter	E	Rough dressed stone slab flooring
				Brick on edge soling
				C.C. slabs
			F	Rough dressed stone slab flooring
				Brick on edge soling
		(ii) Beyond Platform shelter	E & F	Moorum surface flooring
				Quarry dust flooring
				Rough dressed stone slab flooring
				Brick on edge soling
				Moorum surface flooring
				Quarry dust flooring
			A1 & A	Polished granite
				Polished kota stone or similar stone flooring
				Polished Kota stone or similar stone flooring
				Cement concrete flooring
	2 Concourse /Booking area Floor		B & D	[Dado : upto 1500 mm ht. or upto window sill level whichever is lower with polished granite of matching colour with flooring.]
			A1, A & B	Interlocking precast C.C. hydraulically pressed paver blocks using plastic moulds
				Fibre reinforced vacuum dewatered concrete flooring
			D	Mastic flooring
				Interlocking precast C.C. hydraulically pressed paver blocks using plastic moulds
			E	Bituminous flooring
				Vacuum dewatered concrete flooring.
			A1, A & B	Fibre reinforced vacuum dewatered concrete flooring
				Mastic flooring
			D	Fibre reinforced vacuum dewatered concrete flooring
				Bituminous flooring
			E	Bituminous flooring
				Levelled surface with good quality soil / moorum
	3 Portico		A1, A & B	Levelled surface with good quality soil / moorum
			D	Interlocking precast C.C. hydraulically pressed paver blocks using plastic moulds
				Bituminous flooring
			E	Vacuum dewatered concrete flooring.
			A1, A & B	Fibre reinforced vacuum dewatered concrete flooring
				Mastic flooring
			D	Fibre reinforced vacuum dewatered concrete flooring
				Bituminous flooring
			E	Bituminous flooring
				Levelled surface with good quality soil / moorum
			F	Levelled surface with good quality soil / moorum
	4 Circulating area		A1, A & B	Levelled surface with good quality soil / moorum
			D	Interlocking precast C.C. hydraulically pressed paver blocks using plastic moulds
				Bituminous flooring
			E	Vacuum dewatered concrete flooring.
			A1, A & B	Fibre reinforced vacuum dewatered concrete flooring
				Mastic flooring
			D	Fibre reinforced vacuum dewatered concrete flooring
				Bituminous flooring
			E	Bituminous flooring
				Levelled surface with good quality soil / moorum
			F	Levelled surface with good quality soil / moorum

Sl. No	Platform	Place	Class of str.	Type of flooring
5	Parking area		A1, A & B	Fibre reinforced vacuum dewatered concrete flooring
				Interlocking precast C.C. hydraulically pressed paver blocks using plastic moulds
				Mastic flooring
			D	Vacuum dewatered concrete flooring
				Bituminous flooring
			E	Bituminous flooring
				Levelled surface with good quality soil
6	Stairs			Moorum
			F	Levelled surface with good quality soil / moorum
			A1, A & B	Flamed granite flooring
				Heavy duty (high strength & high abrasion resistance) chequered tiles
				Note: No angle should be provided in corner of tread and no tile shall be provided in riser
7	FOB - Pathway		D & E	Heavy duty (high strength & high abrasion resistance) chequered tiles
			A1, A & B	Flamed granite flooring.
				Heavy duty (high strength & high abrasion resistance) chequered tiles.
			D	R.C.C.slab
				Heavy duty (high strength & high abrasion resistance) chequered tiles
8	Waiting Hall		E	RCC slab
			A1	Polished vitrified tiles confirming to IS: 15622
				Granite tiles flooring
			A	Polished vitrified tiles confirming to IS: 15622
				Granite tile flooring
				Ceramic tile as per IS : 15622
			B	Polished vitrified tiles confirming to IS: 15622
				Ceramic tile as per IS : 15622
				Polished kota stone or similar stone flooring
			D	Terrazo tiles in white cement
9	Refreshment Room			Ceramic tiles as per IS : 15622
				Polished kota stone or similar stone flooring
			E & F	C.C. floor
				Rough dressed stone slab flooring
				Polished kota stone or similar stone flooring
10	S.S.Office		A1, A & B	Polished vitrified tiles confirming to IS: 15622
				Granite tile flooring
			D	Ceramic floor tiles as per IS :15622
				Polished kota stone or similar stone flooring
			E	C.C.Floor
11	Waiting Room & Retiring Rooms		A1 & A	Polished vitrified tiles as per IS : 15622
			B	Polished vitrified tiles as per IS : 15622
				Ceramic floor tiles as per IS :15622
			D	Terrazo tile flooring
12	Cloak room			Ceramic floor tiles as per IS :15622
			A1, A & B	C.C. floor with hardened topping on concrete surface
				Note- Fibre reinforced vacuum dewatered concrete surface shall be provided wherever feasible.

Sl. No.	Platform	Place	Class of stn.	Type of flooring
13	Parcel area		A1, A, B & D	Fibre reinforced vacuum dewatered concrete flooring C.C. floor with hardened topping on concrete surface Mastic flooring
14	Toilet		A1, A, B, D, E & F	Antiskid ceramic tiles in floor confirming to Gr.B II of IS: 15622 & Ceramic tiles on walls Gr. B - III of IS: 15622 [Dado: Ceramic wall tiles upto 2100mm ht. of matching colour with floor.]
15	Wall & Ceiling finish		A1, A & B	Smooth finish with POP/putty and painting with emulsion in Concourse, Waiting hall, Waiting rooms, Refreshment rooms, Retiring rooms, S.S.rooms Oil bound distemper at other location.
			D	Painting with Oil bound distemper in Concourse, Waiting hall, Refreshment rooms, S.S. rooms and other location.
			E	Painting with Oil bound distemper in Concourse, Waiting hall & S.S.rooms.
			F	Oil bound distemper in Waiting hall.
16	Water Booth			Polished granite on wall & heavy duty chequered tiles on floor upto 1.0 m around it sloping prominently towards water booth and drain covered with 200/250 mm grating.
17	Dormitory		A1, A, B & D	Floor- General purpose C.C. Mosaic tiles [Dado: On wall upto 1.2m ht. glossy finish ceramic wall tiles of matching colour with flooring.]

Note -

i). In case existing flooring/finish are different from the list above, there is no need of immediate replacement/change unless needed to be replaced on condition basis.

ii). Fibre reinforced vacuum dewatered concrete shall be provided for all new works. For existing works, it can be provided wherever traffic diversion/ protection of surface during setting period is possible.

iii). Vacuum dewatered concrete without reinforced with fibre can also be provided wherever considered necessary with the approval of Sr. DEN/Dy Chief Engineer.

iv). Mastic flooring is not to be used for main platform. The main platform shall be the platform connected to the main station building.

v). Exterior finishes shall be provided by Railways as per local conditions.

