

EASTERN RAILWAY
(CONSTRUCTION DEPARTMENT)

No.CAO/Con/W/156 Pt.XIX

Dated: 14.06.2012.

Dy.Chief Engineer/Con,
Eastern Railway,
Sealdah – I, II, III & JB
Howrah – I, II, III & IV
Asansol – I, II & III
Bhagalpur/Jamalpur/Malda.

Sub: Standardization of surfacing/flooring of platforms
and other areas in station premises.

Ref: i) ED/Works/RDSO/LKO's letter No.WKS/WS/05/FS
dated 22.09.09.
ii) Director (L&A), Railway Board's letter No.2004/LMB/01/04
dated 09.09.2009.

...X...

RDSO, vide their letter at reference (i) above, has laid down standard type of flooring at various locations of a station, depending upon the category of the station: -

- i) Platform (covered area)
- ii) Platform (uncovered area)
- iii) No trolley zone on edge of the platform
- iv) Concourse/Booking area
- v) Circulating area
- vi) Parking area
- vii) FOB pathway
- viii) Waiting hall
- ix) Waiting room & Retiring room etc

The standards as circulated by RDSO has the approval of Railway Board also vide letter under reference (ii) above.

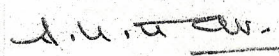
2. It has been noted that these standards are not being followed in the field perhaps the officials are not well aware of the instructions. Copy of above mentioned letters along with Annexure (in 6 pages) are enclosed herewith for information and compliance.

3. This will apply to all works where tenders have not yet been invited. Any deviation will require specific approval of concerned CE/C under intimation to CAO/C or CAO/C-II, as the case may be.

4. As is evident from RDSO's standards, Granite will not be used for any purpose at category-"D", "E" & "F" stations. Use of granite at other category of station has to be minimal and under unavoidable situation.

Receipt of this letter may please be acknowledged.

Enclo: As stated


(A.K.Harit) 14.6.12
Chief Admn. Officer/Con

Copy to: -

CE/C - I, II, III, IV, V, VI, VII

Dy.CE/C/ W-I, Dy.CE/C/W-II, Dy.CE/C/PRD, Dy.CE/C/Plg

SEN/C/Design, DEN/C/PRD

265/c

SN-55
1-4

टेलीफोन/Tele-Fax :0522-2465736



सत्यमेव जयते

Government of India - Ministry of Railways
Research Designs & Standards Organisation.
Manak Nagar, Lucknow-11

No. WKS/WS/05/FS

Dated 22.09.09

General Manager (C), N.F. Railway, Maligaon, Guwahati.

Principal Chief Engineer/ Chief Engineer (Coord.),

CR, ER, ECR, ECoR, NR, NCR, NER, NFR,

NWR, SR, SCR, SER, SECR, SWR, WR, WCR

Chief Administrative Officer/ Chief Engineer Construction (Coord.),

CR, ER, ECR, ECoR, NR, NCR, NER, NWR, SR,

SCR, SER, SECR, SWR, WR, WCR

Sub: Standardization of flooring etc. in station premises.

Ref: (1) This office letter No. WKS/WS/05/FS dated 21.10.08.

(2) Railway Board's letter No. 2004/LMB/01/04 dated 09.09.09.

The specifications for passenger amenity items at stations – standardization of flooring and roofing at station have been prepared and submitted to Railway Board. Specifications have been approved by Board (ME) with some modifications. The approved specifications for the passenger amenity items – standardization of flooring is enclosed herewith.

The standards approved by the Board shall 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 needed to be replaced on condition basis.

Encl: As above

22/9
(S. M. Maheshwari)
Executive Director/Works

Copy for kind information:-

- 1- ED (L&A), Railway Board
- 2- Director/ IRICEN/Pune
- 3- CE/Works, Northern Railway
- 4- CE/Works, South Central Railway

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GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

No.2004/LMB/01/04

New Delhi, dated 9.9.2009

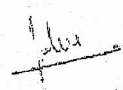
Director General
RDSO
Manak Nagar
Lucknow.

Sub.: Specifications for some of passenger amenities items in stations developed by Southern Railway.

Ref.: ED/W/RDSO's letter No.WKS/WS/05/FS dated 3.9.2009.

Specifications for passenger amenities items at stations submitted by RDSO in Railway Board office vide above referred letter has been considered. Specifications have been modified in Board's office and approved by Board (ME). Final approved specifications for the passenger amenities items at stations are enclosed as Annexure for issuing as a guideline to all zonal railways by RDSO.

DA: As above.


(J. S. Lakra)
Director / Land & Amenities
Railway Board

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Details of Flooring / Walling / Ceiling for Various Areas in Station Premises

S. N. o	Place	Type of flooring & Basis of station category						
		A1 Earning more than 50 crore	A Earning more than 6 and upto 50 crore	B Earning 3 to 6 crore	C Sub urban stations	D Earning between 1 & 3 crore	E Earning less than 1 crore	F Halt
1.	Platform (Covered Area)	1. Polished Granite flooring. 2. Polished Kota stone or similar stone flooring with or without stone inlays 3. *Fiber reinforced vacuum dewatered concrete flooring.	1. Polished Granite flooring. 2. Polished Kota stone or similar stone flooring with or without stone inlays 3. *Fiber reinforced vacuum dewatered concrete flooring.	1. Polished Granite flooring. 2. Polished Kota stone or similar stone flooring with or without stone inlays 3. *Fiber reinforced vacuum dewatered concrete flooring.	1. Polished Granite flooring. 2. *Fiber reinforced vacuum dewatered concrete flooring. 3. Polished Kota stone or similar stone flooring with or without stone inlays. 4. **Mastic flooring	1. *Fiber reinforced vacuum dewatered concrete flooring 2. Polished Kota stone or similar stone flooring with or without stone inlays 3. **Mastic flooring. 4. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds	1. Rough Dressed Stones Slab flooring. 2. Brick on edge. 3. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds	1. Interlocking pre-cast Cement Concrete Paver hydraulically pressed 2. Moorum surface flooring 3. Quarry dust flooring.
		Dado upto 1500mm height or upto sill level of window whichever is lower with polished granite of matching colour with flooring.						
2.	Platform (Uncovered Area)	1. Polished Kota stone or similar stone flooring with or without stone inlays 2. *Fiber reinforced vacuum dewatered concrete flooring.	1. Polished Kota stone or similar stone flooring with or without stone inlays 2. *Fiber reinforced vacuum dewatered concrete flooring.	1. Polished Kota stone or similar stone flooring with or without stone inlays 2. *Fiber reinforced vacuum dewatered concrete flooring.	1. Polished Kota stone or similar stone flooring with or without stone inlays 2. *Fiber reinforced vacuum dewatered concrete flooring.	1. *Fiber reinforced vacuum dewatered concrete flooring 2. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds 3. Bituminous flooring.	1. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds 2. Rough Dressed Stones Slab. 3. Brick on edge. 4. Moorum surface flooring.	1. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds 2. Brick on Edge. 3. Moorum surface flooring.
3.	*No Trolley Zone on	1. Precast concrete	1. Precast concrete	1. Precast concrete	1. Precast concrete studded tiles	1. Precast concrete studded tiles	1. # CC Coping Slabs	1. #CC Coping Slabs

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	Edges of the Platforms	<p>studded tiles manufactured by vibro compaction process and using jointless FRP Moulds</p> <p>2. Heavy duty (high strength, high abrasion resistance) precast chequered tile</p> <p>3. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds</p>	<p>studded tiles manufactured by vibro compaction process and using jointless FRP Moulds.</p> <p>2. Heavy duty (high strength, high abrasion resistance) precast chequered tiles.</p> <p>3. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds</p>	<p>studded tiles manufactured by vibro compaction process and using jointless FRP Moulds</p> <p>2. Heavy duty (high strength, high abrasion resistance) precast chequered tiles.</p> <p>3. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds</p>	<p>manufactured by vibro compaction process and using jointless FRP Moulds</p> <p>2. Heavy duty (high strength, high abrasion resistance) precast chequered tiles.</p> <p>3. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds</p>	<p>manufactured by vibro compaction process and using jointless FRP Moulds</p> <p>2. Heavy duty (high strength, high abrasion resistance) precast chequered tiles.</p> <p>3. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds</p>	<p>2. Chequered CC Tiles</p> <p>3. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds</p>	<p>2. Chequered CC Tiles</p> <p>3. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds</p>
4.	Concourse/Booking Area	<p>1. Polished Granite Flooring</p> <p>2. Polished Kota stone or similar stone flooring with or without stone inlays</p>	<p>1. Polished Granite Flooring</p> <p>2. Polished Kota stone or similar stone flooring with or without stone inlays</p>	<p>1 Polished Kota stone or similar stone flooring with or without stone inlays.</p>	<p>1. Polished Granite Flooring</p> <p>2. Polished Kota stone or similar stone flooring with or without stone inlays</p>	<p>1. Polished Kota stone or similar stone flooring with or without stone inlays</p>	<p>1. Cement Concrete flooring</p>	<p>-----</p>
		Dado upto 1500mm height or upto window sill level whichever is lower with polished granite of matching colour with flooring.						

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5.	Portico	1. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds 2. *Fiber Reinforced Vacuum Dewatered Concrete Flooring 3. Mastic flooring.	1. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds 2. *Fiber Reinforced Vacuum Dewatered Concrete Flooring 3. Mastic flooring.	1. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds 2. *Fiber Reinforced Vacuum Dewatered Concrete Flooring 3. Mastic flooring.	1. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds 2. *Fiber Reinforced Vacuum Dewatered Concrete Flooring 3. Mastic flooring.	1. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds 2. Bituminous flooring 3. *Vacuum Dewatered Concrete flooring	-----
6.	Circulating Area	1. *Fibre Reinforced Vacuum Dewatered concrete flooring 2. Mastic flooring.	1. *Fibre Reinforced Vacuum Dewatered Concrete Flooring 2. Mastic flooring.	1. *Fibre Reinforced Vacuum Dewatered Concrete Flooring 2. Mastic flooring.	1. *Fibre Reinforced Vacuum Dewatered Concrete Flooring 2. Mastic flooring.	1. *Vacuum Dewatered Concrete Flooring. 2. Bituminous flooring	1. Bituminous flooring 2. Levelled surface with good quality soil/moorum.	1. Levelled surface with good quality soil/moorum
7.	Parking Area	1. *Fibre Reinforced Vacuum Dewatered Concrete flooring. 2. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds 3. Mastic flooring	1. *Fibre Reinforced Vacuum Dewatered Concrete flooring 2. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds 3. Mastic flooring.	1. *Fibre Reinforced Vacuum Dewatered Concrete flooring 2. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds 3. Mastic flooring.	1. *Fibre Reinforced Vacuum Dewatered Concrete flooring 2. Interlocking pre-cast Cement Concrete hydraulically pressed Paver Blocks using plastic moulds 3. Mastic flooring.	1. *Vacuum Dewatered Concrete flooring 2. Bituminous flooring.	1. Bituminous flooring. 2. Levelled surface with good quality soil/moorum	1. Levelled surface with good quality soil/moorum
8.	Stairs	1. Flamed Granite Flooring. 2. Heavy duty (high strength and high abrasion resistance) Chequered Tiles	1. Flamed Granite Flooring. 2. Heavy duty (high strength and high abrasion resistance) Chequered	1. Flamed Granite Flooring. 2. Heavy duty (high strength and high abrasion resistance) Chequered	1. Flamed Granite Flooring. 2. Heavy duty (high strength and high abrasion resistance)	1. Heavy duty (high strength and high abrasion resistance) Chequered Tiles	1. Heavy duty (high strength and high abrasion resistance) Chequered Tiles	

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			Tiles	Tiles	Chequered Tiles			
9.	FOB - Pathway	1. Flamed Granite Flooring. 2. Heavy duty (high strength and high abrasion resistance) Chequered Tiles.	1. Flamed Granite Flooring. 2. Heavy duty (high strength and high abrasion resistance) Chequered Tiles.	1. Flamed Granite Flooring Heavy duty (high strength and high abrasion resistance) Chequered Tiles.	1. Flamed Granite Flooring 2. Heavy duty (high strength and high abrasion resistance) Chequered Tiles.	1. RCC slabs 2. Heavy duty (high strength and high abrasion resistance) Chequered Tiles.	1. RCC slabs	-----
10	Waiting Hall	1. Polished Vitrified Tiles as per IS : 15622 2. Granite tiles flooring.	1. Polished Vitrified Tiles as per IS : 15622 2. Granite Tiles flooring. 3. Ceramic tiles as per IS:15622.	1. Polished vitrified tiles as per IS:15622. 2. Ceramic Tiles as per IS: 15622. 3. Polished Kota stone or similar stone flooring with or without stone inlays	1. Polished Vitrified Tiles as per IS : 15622 2. Ceramic Tiles as per IS:15622. 3. Polished Kota stone or similar stone flooring with or without stone inlays	1. Terrazzo Tiles in white cement 2. Ceramic Tiles as per IS:15622. 3. Polished Kota stone or similar stone flooring with or without stone inlays	1. CC Floor 2. Rough Dressed Stones Slab. 3. Polished Kota stone or similar stone flooring with or without stone inlays	1. CC Floor 2. Rough Dressed Stone Slab 3. Polished Kota stone or similar stone flooring with or without stone inlays
11	Refreshment Room	1. Polished Vitrified Tiles as per IS : 15622 2. Granite tiles flooring.	1. Polished Vitrified Tiles as per IS : 15622 2. Granite tiles flooring.	1. Polished Vitrified Tiles as per IS : 15622 2. Granite tiles flooring.	1. Polished Vitrified Tiles as per IS : 15622 2. Granite tiles flooring.	1. Ceramic floor tiles as per IS:15622 2. Polished Kota stone or similar stone flooring with or without stone inlays	-----	-----
12	SS Office	1. Polished Vitrified Tiles as per IS : 15622	1. Polished Vitrified Tiles as per IS : 15622	1. Polished vitrified tiles as per IS:15622	1. Polished Vitrified Tiles as per IS : 15622	1. Ceramic Tiles as per IS:15622. 2. Polished Kota stone or similar stone flooring with or without stone inlays.	1. CC Floor	-----
13	Waiting Room and Retiring Room	1. Polished Vitrified Tiles as per IS : 15622	1. Polished Vitrified Tiles as per IS : 15622	1. Polished Vitrified tile flooring 2. Ceramic floor Tiles as per IS:15622.	-----	1. Terrazzo tiles flooring 2. Ceramic floor tiles as per IS:15622	-----	-----

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14	Cloak room	1. CC floor with hardened topping on concrete surface	1. CC floor with hardened topping on concrete surface	1. CC floor with hardened topping on concrete surface	1. CC floor with hardened topping on concrete surface	-----	-----	-----
		Fiber reinforced vacuum dewatered concrete shall be provided wherever feasible.						
15	Parcel Area	a. *Fiber reinforced vacuum dewatered concrete flooring b. CC floor with hardened topping on concrete surface c. Mastic flooring	1. *Fiber reinforced vacuum dewatered concrete flooring 2. CC floor with hardened topping on concrete surface 3. Mastic flooring	1. *Fiber reinforced vacuum dewatered concrete flooring 2. CC floor with hardened topping on concrete surface 3. Mastic flooring	1. *Fiber reinforced vacuum dewatered concrete flooring 2. CC floor with hardened topping on concrete surface 3. Mastic flooring	1. *Fiber reinforced concrete flooring 2. CC floor with hardened topping on concrete surface 3. Mastic flooring		
16	Toilet	1. Anti-skid ceramic tiles in floor (Group B-II of IS-15622 and ceramic tiles on walls (Group B-III of IS-15622)	1. Anti-skid ceramic tiles in floor (Group B-II of IS-15622 and ceramic tiles on walls (Group B-III of IS-15622)	1. Anti-skid ceramic tiles in floor (Group B-II of IS-15622 and ceramic tiles on walls (Group B-III of IS-15622)	1. Anti-skid ceramic tiles in floor (Group B-II of IS-15622 and ceramic tiles on walls (Group B-III of IS-15622)	1. Anti-skid ceramic tiles in floor (Group B-II of IS-15622 and ceramic tiles on walls (Group B-III of IS-15622)	1. Anti-skid ceramic tiles in floor (Group B-II of IS-15622 and ceramic tiles on walls (Group B-III of IS-15622)	1. Anti-skid ceramic tiles in floor (Group B-II of IS-15622 and ceramic tiles on walls (Group B-III of IS-15622)
		Ceramic wall tiles upto 2100mm height of matching colour with flooring.						
17	Wall & Ceiling Finish	Smooth finish with POP/ putty and painting with Emulsion in Concourse, Waiting hall, waiting rooms, Refreshment room, Retiring rooms & SS room. Oil bound distemper at	Smooth finish with POP/ putty and painting with Emulsion in Concourse, Waiting hall, waiting rooms, Refreshment room, Retiring rooms & SS room. Oil bound distemper at	Smooth finish with POP/ putty and painting with Emulsion in Concourse, Waiting hall, waiting rooms, Refreshment room, Retiring rooms & SS room. Oil bound distemper at	Smooth finish with POP/ putty and painting with Emulsion in Concourse, Waiting hall, waiting rooms, Refreshment room, Retiring rooms & SS room. Oil bound distemper at	Painting with oil bound distemper in Concourse, Waiting hall, Refreshment room, Retiring rooms & SS room and other locations.	Painting with oil bound distemper in Concourse, Waiting hall & SS room.	Oil bound distemper in Waiting hall.