

From

The Engineer-In-Chief
Haryana PWD B&R Branch,
Chandigarh.

To

1. The Financial Commissioner & Principal Secretary to Govt. Haryana, Finance Department Chandigarh
2. The Financial Commissioner & Principal Secretary to Govt. Haryana, Admn. of Justice & Jails Department Chandigarh
3. The Financial Commissioner & Principal Secretary to Govt. Haryana, Revenue Department, Chandigarh.
4. The Financial Commissioner & Principal Secretary to Govt. Haryana, Technical Education Department Chandigarh
5. The Financial Commissioner & Principal Secretary to Govt. Haryana, Health Department Chandigarh
6. The Financial Commissioner & Secretary to Govt. Haryana, Public Works Department (B&R) Br., Chandigarh
7. The Financial Commissioner & Principal Secretary to Govt. Haryana, Education Department Chandigarh

Memo No.5558-65

/WI

Dated 28.08.2008

Subject: Revision of Specifications for building works.

The revised specifications of buildings as recommended by the Economy Committee have been approved by the Government at the level of Hon'ble Chief Minister, Haryana with remarks as below:-

1. The recommendations of the Economy Committee for revision of specification of Govt. Buildings can be relaxed or changed to higher specifications for prestigious buildings by the Govt. at the level of Hon'ble Chief Minister.
2. Non scheduled items to the extent possible should be incorporated in the PWD schedule of rates.
3. Makes of various items such as ceramic /vitrified tiles, ply/particle boards, ISI marked aluminum fittings, paints, electricity wires, switches etc. should be empanelled by inviting open offers. This should become regular exercise.
4. There should be training of engineers and other officials for awareness of various products, brands and trading practices of suppliers/manufactures.
5. Information signages should be provide in various buildings, especially in hospitals.
6. Operation Theatre Zone & Emergency Zone of Hospitals should be air-conditioned.
7. Coba treatment to be carried out on roofing instead of traditional brick tile terracing on experimental basis.
8. Only CFL fittings shall be used as per Energy Conservation Act.

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9. Architecture Department should design energy efficient and environment friendly buildings.
10. Use of Solar energy, water harvesting and energy efficient lights should be used as per the relevant Act/Rules.

The specifications as approved are enclosed herewith for your kind information, circulation amongst concerned and further necessary action please.

Superintending Engineer (Bldgs.)
for Engineer-In-Chief, Haryana PWD
(B&R) Branch, Chandigarh.

Endst. No.5566-5700

Dated 28.08.2008

Copy forwarded to:-

1. The Chief Administrator, HUDA, Panchkula.
2. The Chief Administrator,
Housing Board, Haryana Sector-6, Panchkula.
3. The Chief Administrator, HSAMB, Panchkula.
4. The Managing Director,
Haryana Police Housing Corporation, Panchkula.
5. The Managing Director,
Haryana State Roads & Bridges Development Corporation, Panchkula.
6. The Director,
Country & Town Planning, Haryana, Chandigarh.
7. The Engineer-In-Chief, Haryana,
Public Works (W/S & Sanitations) Deptt. Panchkula.
8. The Engineer-In-Chief, Haryana,
Public Work (Irrigation) Deptt., Panchkula.
9. The Director General, Haryana,
Police Department, Panchkula.
10. The Transport Commissioner, Haryana
Chandigarh.
11. The Director General,
Health Services, Haryana, Panchkula.
12. The Registrar,
Punjab & Haryana High Court, Chandigarh.
13. The Managing Director, Haryana Tourism Development Corporation Ltd., Chandigarh.
14. The Managing Director, Haryana State Industrial & Infrastructure, Development Corporation
Ltd.(HSIIDC), Chandigarh.
15. The Chief Administrator, Haryana Housing Board, Panchkula.
16. The Managing Director, Haryana Agro Industries Corporation Ltd., Chandigarh.
17. The Managing Director, Haryana,
Coop., Labour & Constn. Federation Ltd., Panchkula.

18. The Managing Director, Haryana,
Coo-operative Apex Bank Ltd., Chandigarh.
19. The Managing Director, Haryana,
Co-Operative Supply & marketing Federation Ltd.(HAFED), Panchkula.
20. The Managing Director, Haryana,
Vidyut Prasaran Nigam, (HVPN), Panchkula.
21. The Managing Director, Haryana,
Power Generation Corporation, Panchkula.
22. The Managing Director, Haryana,
Uttar Haryana Bijli Vitran Nigam, Panchkula.
23. The Managing Director, Haryana,
Dakshin Haryana Bijli Vitran Nigam, Hisar.
24. The Director,
Higher Education, Haryana, Panchkula.
25. The Director,
Industries Department, Haryana, Chandigarh.
26. The Director,
Industrial Training & Vocational Education, Haryana, Chandigarh.
27. The Director,
Technical Education, Haryana, Chandigarh
28. The Chief Architect,
Department of Architecture, Haryana, Chandigarh.
29. The Chief Engineer, Panchayti Raj, Haryana, Chandigarh.
30. The Registrar, Chaudhary Charan Singh Haryana Agriculture University, Hisar.
31. The Registrar, Guru Jambheshwar University, Hisar.
32. The Registrar, Ch. Devi Lal University, Sirsa.
33. Superintending Engineer, MDU, Rohtak.
34. PS to the Engineer-In-Chief, Haryana, PWD (B&R) Branch, Chandigarh for kind information of the Engineer-In-Chief.
35. P.A to the Chief Engineer (NABARD) P.A. to the Chief Engineer (National Highway), Chief Engineer (Roads), Chief Engineer (Bldgs.), Chief Engineer (Bridges), Chief Engineer (NCR) for kind information of the Chief Engineers.
36. All the Superintending Engineers/Executive Engineers in Head Office of Haryana PWD (B&R) Branch, Chandigarh.
37. The Director, Research Laboratory, PWD (B&R) Hisar.
38. All the Superintending Engineers in the field for information and further necessary action. They are also requested to send copies of these specifications to their respective Executive Engineers.

Superintending Engineer (Bldgs.)
for Engineer-In-Chief, Haryana PWD
(B&R) Branch, Chandigarh.

REVISION OF SPECIFICATION BY ECONOMY COMMITTEE

PHC/CHC (STANDARD DESIGN)

Sr.No.	Items	Sub Items	Present Specifications	Revised Specifications
1.	FLOORING, DADO-SKIRTING	a) Rooms	(i) all floors shall be silver grey terrazzo with matching skirting 4" high	All floors shall have silver grey terrazzo flooring with 4" matching skirting.
		b) Circulation Area and Stairs.	(i) All circulation areas and stair cases shall have Kotah stone flooring dado of ceramic tiles of 12"x12" minimum size upto 5'-0" height shall be provided	All circulation areas and stairs cases shall have Kotah stone flooring, Ceramic tiles Dado 912"x12" minimum size) upto 4'-6" height shall be provided.
		c) Toilet	(i) All toilets shall be provided with Kotah stone flooring and shall have dado of glazed tiles of 8"4" or larger size up to 6'-9" height.	All toilets shall be provided with Kotah stone flooring (22"x22") size and shall have dado glazed tiles upto 6'-9" height.
		d) Operation Theatre	(i) All operation theatres shall be provided with marble flooring not smaller than 2'x2' size slabs.	Shall be provided Vitrified tiles flooring (2'x2' minimum size) with Ceramic tiles bigger size / Stainless steel Dado upto ceiling.
		e) Ramps.	(i) Floors of ramps shall be provided with chequered tiles. Side walls shall be painted with synthetic enamel paint up to 5'-3" height (Dado)	i) Chequered tiles / Red sand stone flooring. (ii) Side walls shall have synthetic enamel paint dado upto 4'-6" height.
		f) Laboratories	(i) In the Labs in the ceiling shall be painted with snowcem of approved shade. All walls shall be provided with ceramic tiles dado up to 5'-3" height. The workshops shall be finished with acid proof tiles.	i) All walls of Laboratories shall be provided with ceramic with ceramic tiles 8"x12" minimum size dado upto 5'-3" height. (ii) Ceiling of laboratories shall be painted with oil bound distemper of approved shade. (iii) The worktops shall be finished with acide proof tiles. (iv) Flooring 2'-0" x 2'-0" minimum size vitrified tiles.
		g) Enquiries / Registration counters.	i) All enquiries / registration counters shall have marbles tops.	Shali have granite stone.
2.	JOINERY WORK FOR DOORS, WINDOW AND	a) Frames	i) All door and window shall have	All door and window shall have pressed

	VENTILATORS		pressed steel frames with standard steel sections as per detailed drawings.	steel frames with standard steel sections as per detailed drawings.
		b) Shutters.	i) All Shutters except for toilets shall be 35mm thick flush shutters ISI marked. Shutters for cupboard 25mm thick ISI marked flush shutters.	i) Shutters for all doors be 35mm thick flush shutters ISI marked. Shutters for cupboard shall be 25mm thick ISI Marked flush shutters.
		c) Fittings.	i) All doors, windows, ventilators and cupboards shall have anodized aluminum fittings.	Heavy duty anodized aluminum fittings. ISI marked.
		d) Operations Theatre	Not specified	Aluminum frames with standard sections as per detailed drawings.
3.	INTERNAL AND EXTERNAL FINISHES.	a) Internal walls / ceiling etc.	i) All others internals walls and ceilings shall be provided with plaster and shall be white washed unless otherwise specified.	Plastered and Oil Bound Distemper. Once in two year.
		b) Operation Theatres.	i) in operation theatre, all the walls and ceiling junctions shall be rounded off and the walls shall be provided with marble dados of 5'-0" x 2'-0" slabs upto the ceiling height. The ceiling shall be provided with cement plaster and shall be painted with synthetic enamel or epoxy paint.	In operation theatre, all the walls & ceiling junctions shall be rounded off. The ceiling shall be provided with cement plastered & shall be painted with synthetic enamel or epoxy paint.
		c) External Surface.	i) An exposed concrete surface shall be without suffering pattern but finished smooth. All exposed bricks work wherever provided shall be provided with V-shape cement pointing. No lime surkhi pointing shall be provided. Grit finish (Dana Plaster) shall be of small granule size.	Brick / exposed concrete / plastering Grit finish / Stone cladding.
		d) Joinery etc.		All doors and cupboard shutters, Wood work, joinery sections, railing etc. shall be finished with first quality synthetic enamel paint as per colour scheme.
		e) Soil waste pipes.	i) All the soil waste and C.I. rain water pipes shall be concealed in ducts.	All the soil waste pipes shall be conducted in ducts. ISI marked if available.
4.	SOLAR WATER HEATING SYSTEM			As per HAREDA guidelines.
5.	GRILLS	a) Grills	i) Grills shall be provided to the windows	i) Grills shall be provided to the windows

			and ventilators for security.	and ventilators for security at G.F. Only.
6.	ELECTRIC WIRING	a) Wires.	i) All wires of electricity, telephone etc. shall be in conduit pipes and shall pass through independent ducts.	i) All wires of electricity telephone, copper wires, Internet conduit etc. shall be of copper & put in conduit pipes and shall pass through independent ducts.
		b) Glow sign.	Not specified	Provision for glow sign be made.
7.	GAS PIPE LINE	Pipe Line.	Not specified	Gas pipe line shall be provided in the operation theatre.
8.	RAIN WATER HARVESTING SYSTEM.			As per Hr. Govt. Notifications'.

REVISION OF SPECIFICATION BY ECONOMY COMMITTEE

JAILS

Sr.No.	Items	Sub Items	Present Specifications	Revised Specifications
1.	FLOORING, DADO-SKIRTING	a) Administrative Building, Corridors Circular area.	Kotah stone with 4" high dado	Kitchen top – Kotah
		b) All Rooms, Hall, Sleeping berth in Barracks.	Grey Terrazzo flooring with 3" high skirting	Grey terrazzo with 4" high skirting.
		c) Kitchen / Dinning Hall, Toilets.	Kotah stone flooring with 3"high skirting	Kotah stone flooring with 4" high Dado glazed tiles upto 4" height.
2.	JOINERY WORK FOR DOORS WINDOWS AND VENTILATORS.	a) Admn. Building	Pressed steel chowkhats for all doors window ventilators and shutter of hard wood.	Pressed steel chowkhats for all doors, windows, ventilators and shutters of hard wood, openable and fixed with glazing.
		b) All Other Building	Grilled window ventilator with heavy duty MS flats	
3.	INTERNAL AND EXTERNAL FINISHES	a) Internal finishes	All internal walls and ceiling to be cement plastered and white washed.	All internal walls shall be white washed with non sticking material every year. Ceiling will be white washed every year.
		b) External finishes	The exposed brick surfaces to be finished either with cement pointing with matching pigment or sticking of joints with snowcem.	The exposed brick surface to be finished either with cement pointing with matching pigment or sticking of joints with snowcem.
4.	SOIL WASTE & RAIN WATER PIPES	a) Soil waste pipe and Rain water pipe	All the soil waste and C I rain water pipes to be embedded in walls.	(i) All the soil waste and C.I. Rain water pipes be embedded in walls. (ii) PVC is preferred over C.I. (iii)
		b) W.C.	China Ware Indian Type.	Steel WC Indian Type for barracks, Rest Vitrous China ware (Indian Type).
5.	ELECTRIC WIRING	a) Wires	The building shall have concealed conduit wiring	Copper wiring in concealed conduits be used.
6.	SOLAR WATER HEATING SYSTEM.	-	-	As per HAREDA Guidelines
7.	RAIN WATER HARVESTING SYSTEM	-	-	AS per Hr. Govt. Notification.

REVISION OF SPECIFICATIONS BY ECONOMY COMMITTEE

100 BEDS HOSPITAL (STANDARD DESIGN) & ABOVE

Sr.No.	Items	Sub Items	Present Specifications	Revised Specifications
1.	FLOORING, DADO-SKIRTING	a) Rooms & Wards	a) Grey Terrazzo flooring with 4' 6" high dado of same specification.	Private Rooms with vitrified tiles 2'x2' Wards kotah stone & marble flooring in 80:20 ratio. Dado upto 4'-6" high glazed ceramic tiles.
		b) Corridor / Entrance hall, Waiting Rooms.	b) Kotah stone flooring with 4'6" high dado	Kotah stone & Marble flooring 80:20 ratio with 4'-6" high dado of glazed tiles for corridor. Entrance hall shall have granite flooring.
		c) Toilets & Kitchens.	c) Kotah stone flooring with 6'9" high dado of white glazed tiles.	Granite stone flooring with 6'-9" high dado of white glazed tiles. Kitchen – Granite Top.
		d) Operation Theatre.	d) Non static flooring.	Vitrified tiles flooring not less than (2'-0" x 2'-0") with ceramic tiles bigger size / stainless steel dado upto ceiling.
		e) Enquiry counters and face walls of lifts.	e) Granite	Granite finish.
		f) Ramps.	f) Red Stone Flooring.	Red Stone flooring / Chequered Tiles.
		g) Machine Rooms.	g) Conglomerate flooring.	Conglomerate flooring as per structural requirement .
		h) Entrance Columns.	h) Kotah Stone	Granite finish.
		i) Laboratories	i) Acid proof tiles of large size on floors and table tops dado upto 4' 6" height.	Acid proof tiles of large size on floors and table tops Ceramic tiles dado upto 4'-6" height.
		j) X-Ray, MRI, Ultra Sound ECG, CT Scan etc.		2'x2' Vitrified tiles flooring with ceramic tiles dado upto 4'-6" in ECG, CT Scan, X-ray, Mri, Ultra Sound rooms shall have Non Skid tiles / Kotah stone flooring and Dado upto 4'-6" upto of ceramic tiles.
		h) Emergency		Dado upto 6'9" ceramic tiles kotah stone flooring.
2.	JOINERY WORK FOR DOORS WINDOWS AND VENTILATORS	a) Frames	i) Pressed steel frames for all doors, windows, ventilators, open able & fixed with glazing and upboards except for operations theatre where Aluminium	Pressed steel frames on openable and fixed glazing, cupboards window / ventilators ISI standard steel section. For operation theatre aluminium sections

			sections as per Arch. Drgs. And for windows / ventilators ISI standard steel sections with glazing shall be used.	as per Arch. Drgs., Almn. Joinery in O.T. Zone.
		b) Shutters.	<p>i) Factory manufactured solid flush shutter of hard wood such as hillock shall be used for doors and cup boards.</p> <p>ii) All external openings shall be provided with wire mesh shutters of hard wood, Panelled door shutter of hardwood shall be used in toilets.</p> <p>iii) Aluminium door / glazing in entrance halls with floor springs (ISI Marked)</p>	<p>i) Shutters for all doors and cupboard factory manufactured solid flush shutters of hard wood such as hillock (35" thick and 25mm thick respectively). ISI marked.</p> <p>ii) All external opening shall have Fly Mesh shutters. Toilets shall have aluminium chowkhats with aluminium / PVC shutters.</p> <p>iii) Aluminium door cum glazing in entrance hall with floor springs (ISI Marked) as per Drgs.</p>
		c) fittings	i) Aluminium fittings.	Aluminium fittings. ISI Marked.
		d) Operation Theatre	Not specified	Aluminium frames with standard aluminium sections as per detailed drawings.
3.	INTERNAL AND EXTERNAL FINISHES	a) Internal walls / ceiling of rooms ECG, X-Ray etc.	i) All internal walls to be cement plastered and white washed	All internal surfaces to be cemented plastered and finished with Oil Bound Distemper every two years.
		b) Operation Theatre.	i) White synthetic anti fungal paint shall be done.	In operation theatre, all the walls & ceiling junctions shall be rounded off. The ceiling shall be cement plastered & shall be painted with synthetic enamel or epoxy paint.
		c) Toilets	i) White washed	White wash.
		d) Corridors	i) White washed	Oil bound of approved shade on walls above dado and for ceiling in corridors. Once in two year.
4.	SOIL WASTE & RAIN WATER PIPES, GRILLS, ELECTRIC WIRING, GAS PIPE LINE	a) Rain water pipes.	i) All rain water pipes shall be concealed in ducts	i) All bound distemper of approved shade on walls above dado and for ceilings in corridors. Once in two year.
		b) Soil Waste pipes.	i) All soil waste pipe shall be concealed in ducts.	All the soil waste pipes shall be concealed in ducts.
		c) Grills.		i) Grills shall be provided in the windows

				and ventilators for security.
		d) Wires.	i) All the wires of electricity, Telephone etc. shall be in conduit pipe and shall pass through independent ducts.	i) All wires of electricity telephone etc. shall be in conduit pipes and shall pass through independent ducts.
		e) Glow Sign	Not specified	Provision for glow sign be made.
		f) Pipe line	Not specified	Gas pipe line should be provide in the operation theatre.
5.	SOLAR WATER HEATING SYSTEM.	-	-	As per HAREDA guidelines.
6.	RAIN WATER HARVESTING SYSTEM.	-	-	As per Hr. Govt. Notification.

REVISION OF SPECIFICATIONS BY ECONOMY COMMITTEE

SUBORDINATE REST HOUSE

Sr.No.	Items	Sub Items	Present Specifications	Revised Specifications
1.	FLOORING, DADO-SKIRTING	a) Rooms, Dormitories, Dinning Hall etc.	i) All rooms, dormitories, dinning halls and kitchen blocks shall have grey terrazzo floors with match 3" high skirting.	All rooms, dormitories, dinning halls and kitchen blocks shall have silver grey terrazzo flooring with 4" high matching skirting.
		b) Sweepers, Chowkidars rooms and garages etc.	i) Conglomerate flooring in rooms of sweepers, chowkidars, guards and garages with 3"high matching skirting.	i) Conglomerate flooring in rooms of sweepers, chowkidars, guards and garages with 4"high matching skirting.
		c) Circulations spaces etc.	i) Circulation spaces, verandahs, passages shall have grey terrazzo flooring with 4" high skirting of same specifications.	Circulation spaces, verandahs, passages shall have silver grey terrazzo flooring with 4" high matching skirting.
		d) Toilets	i) Toilets shall have kotah stone flooring with 6'-9" height dado of glazed tiles.	Toilets shall have ceramic tile flooring with 6'-9" height dado of glazed tiles.
		e) Kitchen	i) Baroda green stone slab as work top kitchens with terrazzo dado upto 4'-9" height.	Kitchen working top-Baroda Green / Kotah stone flooring / Glazed Tiles upto 6'-9"
2.	JOINERY WORK FOR DOORS, WINDOWS AND VENTILATORS	a) Shutters	i) Shutters of hard wood with panel of 12mm thick commercial ply veneered at both sides particle board or ply wood. ii) The shutters for ventilators, windows shall be hard wood	i) All joinery shall have pressed steel, Chowkhats. ii) The shutters for doors, ventilators, windows shall be in hard wood. Doors shall have solid flush shutters. ISI marked.
		b) Frames.	i) Chowkhats of standard steel sanctions for openable and fixed steel windows, ventilators with glazing.	Chowkhats of standard steel sanctions for openable and fixed steel windows, ventilators and glazing.
		c) Fittings	i) Anodized iron fittings shall be used for wood work.	Doors and Windows fitting shall be of Aluminium. ISI marked.
		d) Cupboards	i) RCC shelves in cupboards, Cupboard shutters shall be of hard wood with 3mm commercial ply facing on 1 side with pressed steel chowkhats.	Ferro cement / RCC shelves in cupboards shall be provided.
3.	INTERNAL AND EXTERNAL FINISHES	a) Internal wall ceiling.	i) All internal wall & ceiling shall be cement plastered and white washed.	i) All internal walls shall have oil bound distemper in Rooms, dormitories, Halls

			ii) Joinery to be painted with synthetic enamel paint of approved shade.	and rest shall be white washed. ii) Joinery to be painted with synthetic enamel paint of approved shade.
		b) External Surfaces	i) The exposed brick surfaces to be finished either with cement pointing with matching pigment or striking of joints with snowcem. ii) No RCC work to be plastered, unless otherwise specified.	i) Plastered / Grit finished painted with appropriate external paint. ii) No RCC work is to be plastered, unless otherwise specified and shall have smooth finish.
4.	SOIL WASTE & RAIN WATER PIPES GRILLS, ELECTRIC WIRING	a) Soil waste pipes & Rain water pipes.	i) All soil waste and C.I. Rain water pipes shall be embedded in walls.	i) All the soil waste pipes & C.I. / PVC rain water pipes shall be concealed in ducts. SW pipes ISI marked if available.
		a) Grills .	i) Steel grills to be provided to all outer windows / ventilators.	i) All ground floor only and at upper floor wherever required.
		a) Wires.	i) the building shall have conduit wiring.	Concealed copper wiring
5.	PROVISION FOR SOLAR WATER HEATING SYSTEM	-	-	As per HAREDA Guidelines.
6.	RAIN WATER HARVESTING	-	-	As per Hr. Govt. Notification.

REVISION OF SPECIFICATIONS BY ECONOMY COMMITTEE

CIRCUIT HOUSE AND REST HOUSE

Sr.No.	Items	Sub Items	Present Specifications	Revised Specifications
1.	FLOORING, DADO-SKIRTING	a) Suites / Rooms.	i) All suites / rooms shall have silver grey terrazzo floors with 4" matching skirting.	Vitrified tiles flooring. Laminated flooring selected rooms.
		b) Toilets	10 All the toilets shall have marble flooring with glazed tiles as dado upto 6'-9" height, where shown by the Architect.	VIP Suites shall have granite/ marble flooring and rest shall have non skid tiles and ceramic tiles dado upto 6'-9"
		c) Kitchen.	i) Kitchen and pantry shall have kotah stone flooring and dado of glazed tiles upto 4'-9" height. Worktop shall be Baroda green stone.	Kitchen & Pantry shall have Kotah stone flooring and dado of glazed tiles upto 6'-9" height. Worktop shall be granite stone.
		d) Drawing Room / Dinning Room.	i) Drawing rooms and dinning rooms shall have kotah stone flooring and 4" high matching skirting.	Drawing rooms and dinning rooms shall have vitrified tiles flooring with 4" matching skirting.
		e) Entrance Hall, Lunges etc.	Entrance halls, lounges, staircases and verandahs shall have kotah stone flooring and 4" high matching skirting.	Entrance Hall, Lounge, staircase and verandahs shall have granite / vitrified tiles flooring with 4" high matching skirting.
2.	JOINERY WORK FOR DOORS, WINDOWS AND VENTILATORS	a) Frames	i) Pressed steel frames for all doors, windows, ventilators, openable and fixed with glazing.	Teak wood Powder coated aluminium frames for all doors, windows, ventilators for both openable and fixed glazing with polish finish.
		b) Shutters	i) The shutters for doors, windows, ventilators shall be of hard wood.	The shutters for doors, windows, ventilators, shall be of hard wood with, teak Veenered polish. Doors shall have flush shutters.
		c) Wood to be used.	i) Wood to be used shall be kiln seasoned hard wood such as hillock, champ chikrassy and chaplash.	Wood to be used shall be kiln seasoned hard wood as per ISI specifications.
		d) Cupboards.	i) The cup boards shutters shall be factory manufactured solid flush, shutters with black board as per ISI specification No.1659-1669 and decorative veneering with vertical grains. ii) Built in dressing tables shall be of teak	i) The cupboards shutters shall be factory manufactured solid flush shutters 25mm thick with decorative. Teak vennering with vertical grains. ii) Built in dressing tables shall be of teak wood with spirit polish on exterior and white first quality enamel paint in the

			wood with spirit polish on exterior and write superior paint in the interior. iii) RCC shelves shall be provided in cupboards. iv) Pressed steel chowkhats shall also be provided for cupboards	interior. iii) ¾ thick Block Board shall be used for shelves etc. iv) Wooden, chowkhats shall be provided for cupboards.
		e) Fittings	i) Aluminium fittings to be used.	i) Aluminium fittings to be used. ISI marked.
3.	INTERNAL AND EXTERNAL FINISHES	a) Internal finishing.	i) Drawing rooms, lounge, dining rooms and suits including circulation spaces as well as VIP rooms shall have plastic emulsion paint. ii) Joinery to be painted / polished with first quality paint / polish.	i) Drawing rooms, lounge, dining rooms and suits including circulation spaces as well as VIP rooms shall have plastic emulsion paint of approved colour. ii) Joinery to be painted / polish with first quality paint / polish.
		b) External Finishes	i) The exposed brick surfaces to be finished either with cement pointing with matching pigment or striking of joints with snowcem.	i) Exposed brick surfaces to be finished with Plastered / Grit finish / Stone cladding and exterior paint as per colour scheme.
4.	SOIL WASTE & RAIN WATER PIPES	a) Soil waste pipes & rain water pipes	i) All soil waste and C.I. rain water pipes shall be embedded in walls.	i) All the soil waste pipes & C.I. / PVC rain water pipes shall be concealed in ducts.
5.	GRILLS	a) Grills	i) Grills shall be provided shall have conduit wiring.	i) Grills shall be provided in the windows and ventilators for security.
6.	ELECTRIC WIRING	a) Wires	i) The buildings shall have conduit wiring.	Copper wiring in concealed conduits.
7.	FIRE LIGHTING DEVICES.		Not Provided	AS per Haryana Govt. Notification
8.	RAIN WATER HARVESTING		Not Provided	As per Hr. govt. Notification.
9.	SOLAR WATER HEATING SYSTEM.		-	As per HAREDA Guidelines.

REVISION OF SPECIFICATIONS BY ECONOMY COMMITTEE

HOUSE TYPES WITH 440SFT. 600 SFT & 770 SFT. AREAS

Sr.No.	Items	Sub Items	Present Specifications	Revised Specifications
1.	FLOORING, DADO-SKIRTING	a) Rooms Stores, Verandah & Passages.	Grey terrazzo flooring with 3" skirting of relevant flooring.	Terrazzo flooring Silver grey colour.
		b) Kitchen	(i) grey Terrazzo flooring (ii) Grey Terrazzo dado upto window sill level	(i) Non Skid Ceramic tiles flooring. (ii) Ceramic tiles dado upto 6'-9". (iii) working top shall be finished in Baroda Green.
		c) Toilets	(i) Grey terrazzo flooring (ii) Grey terrazzo dado upto 6"9" height	(i) Non Skid Ceramic Tiles flooring. (ii) Glazed tiles dado upto 6'-9" height.
2.	JOINERY WORK FOR DOORS, WINDOWS AND VENTILATORS.	a) Frames.	Pressed steel frames for all doors, windows, ventilators, openable and fixed with glazing.	Pressed steel frames for all doors, windows ventilators, openable and fixed with glazing.
		b) Door shutters.	The shutters for doors, windows, and ventilators shall be of hard wood.	The shutters for doors, windows, ventilators, shall be of hard wood. Doors shall have lush shutters.
		c) Wood to be used.	Wood to be used shall be kiln seasoned hard wood such as hillock, champ, chikrassy and chaplash	Wood to be used shall be kiln seasoned hard wood as per ISI specifications except teak.
		d) Cupboards	i) Cup board shall have RCC shelves. (ii) Pressed steel chowkhats & shutters of hard wood with 3mm thick commercial ply faced on one side.	(i) Ferro cement / RCC 25mm thick shelves in cupboards. (ii) Pressed steel chowkhats & shutters of hard wood frame with 4 mm thick commercial ply face on both side. ISI marked.
		e) Door fittings	Anodized / iron fitting shall be used for wood works	Anodized aluminium fittings shall be sued. ISI marked.
		f) Toilets	Bath & toilet shall have pressed steel chokhats with shutters of hard wood. (Hollock)	Bath & Toilets shall have pressed steel chowkhats with paneled shutters of hard wood (Hollock)/PVC/Cement bonded particle board panel inserts shall be used.
		g) Wire gauge shutters.	Fly mesh shutters to all outer doors shall be provided.	Fly mesh shutters to all the outer doors and windows shall be provide.
3.	INTERNAL AND EXTERNAL FINISHES	a) Internal walls and Ceiling	All internal walls & ceiling to be plastered & white washed.	All internal walls shall have OBD & Ceiling to be white washed.

		b) Joinery paint.	Joinery to be painted with synthetic enamel paint of approved shade.	Joinery to be painted with synthetic enamel paint as per colour scheme.
		c) External walls / surfaces.	i) Exposed brick surfaces shall be finished either with cement pointing with matching pigment or striking of joints with snowcem. ii) All RCC works shall be plastered unless until otherwise specified.	i) Exposed brick surfaces shall be finished with deep struck pointing with matching pigment and with cement based paint. (ii) All RCC works shall be plastered unless otherwise specified. (iii) Plastered surfaces shall have cement based paint.
4.	SOIL WASTE & RAIN WATER PIPES.	a) Rain water pipes	All C.I. rain water pipes shall be embedded in walls	(i) All R.W.Ps be laid in approachable and openable ducts. (ii) CI rain water pipes shall be preferred.
5.	ELECTRIC WIRING	a) Wires	The building shall conduit wiring.	Copper wiring in concealed conduits be used.
		b) Switches / MCB's	No specification Provided	Switches / MCB's be of empanelled Cos.
		c) Communication system to be adopted.	No Specification Provided	Telephone / TV conduits be also provided.
	GRILLS	a) Grills.	Steel grills to outer windows / ventilators to be provided	Steel Grills to outer windows / ventilators to be provided.
6.	COMPOUND WALLS AND GATES	a) Compound walls.	Standard compound walls shall be provided. The outer faces of walls shall have exposed brick face and the inner faces shall be plastered.	Standard compound walls shall be provided. The outer faces of walls shall have exposed brick face and the inner faces shall be plastered.
		b) Gates.	Standard provision shall be made.	Standard provision shall be made.
7.	PROVISION OF SOLAR WATER HEATING SYSTEM	-	-	As per Hr. Govt. Notification.
8.	RAIN WATER HEATING SYSTEM.	-	-	As per HAREDA Guidelines.

REVISION OF SPECIFICATIONS BY ECONOMY COMMITTEE

HOUSE TYPES 1220 SFT. AREA.

Sr.No.	Items	Sub Items	Present Specifications	Revised Specifications
1.	FLOORING, DADO-SKIRTING	a) Drawing Room, Dinning and Lobby	a) Grey terrazzo flooring.	i) Silver grey Terrazzo / Ceramic tile
		b) Bed Rooms.	(i) Grey terrazzo flooring	i) Silver grey Terrazzo.
		c) Staircase.	(i) Grey terrazzo.	Kotah Stone.
		d) Kitchen.	i) Kotah stone. ii) Glazed tiles dado upto 4"6" height or upto windowsill level or upto first projecting shelf.	i) Non Skid flooring tiles. (ii) Glazed tiles dado upto 6'-9" height. (iii) Main work tops – Baroda green finish.
		e) Toilets	(i) Kotah stone flooring. (ii) Glazed tile dado upto 6'9" height.	(i) Non Skid Ceramic tile. (ii) glazed tile dado upto 6'-9" height.
		f) Garages and Stores.	(i) conglomerate flooring with skirting of relevant floor.	i) Coglomerate flooring with matching skirting.
		g) Terrace.	(i) Sleeping terrace on first floor shall be finished with brick tiles with cement pointing. Terrace on ground floor shall be finished with concrete tiles or cast in situ conglomerate floor of panels not exceeding 4 sft. Area.	i) Brick bats Coba Treatment.
2.	JOINERY WORK FOR DOORS, WINDOWS AND VENTILATORS	a) Frames.	i) Pressed steel frames for all doors, windows, ventilators, openable and fixed with glazing.	Pressed steel.
		b) Shutters.	i) – ii) The shutters for doors, windows, ventilators shall be of hard wood. iii) Fly mesh shutters to all outer doors shall be provided.	(i) Flush shutter with hard wood frame 35 mm thick. ISI marked. (ii) Windows, ventilators shall have Hard Wood shutter. (iii) Fly mesh shutters on all outer doors & windows. (iv) solid flush shutters for cupboards 25mm thick. ISI marked factory manufactured.
		c) Wood to be used.	(i) Wood shall be kiln seasoned hard wood such as hillock, champ, chikarssy or chaplash.	Any hard wood except teak.
		d) Cupboard.	(i) R.C.C. shelves 1" thick shall be	(i) ¾ thick block board for shelves.

			provided in the cupboards and flush shutters of commercial ply with hard wood (Hollock) frames	
		e) Fittings.	(i) Aluminium fitting.	Aluminium fitting. ISI marked.
3.	INTERNAL AND EXTERNAL FINISHES.	a) internal Finishes.	i) all the internal walls of drawing Room, Dinning room, bedrooms and lobbies shall be distempered as per color scheme and rest of the internal walls including ceiling shall be white washed.	All internal walls shall have oil bound distemper in designated area and rest white washed.
		b) Joinery Paint.	(i) Joinery shall be painted with synthetic enamel paint of approved shade of first quality.	Joinery to be painted with synthetic enamel 1 st quality paint of approved shade.
		c) External finishes	(i) The brick surgaces shall be finished with cement pointing with matching pigment or striking of joints, painted with snowcem. All R.C.C. work shall be plastered unless otherwise specified.	Deep struck Pointing / Plastered / Grit finished / Brick face to be painted with external paint as per color scheme.
4.	SOIL WASTE & RAIN WATER PIPES.	a) Rain water pipes.	(i) All rain water pipes shall be embedded in walls.	i) All rain water pipes shall be concealed in ducts.
		b) Soil Waste pipes.	(i) All rain water pipes shall be concealed in ducts.	All the soil waste pipes shall be concealed in ducts.
5.	GRILLS	a) Grills.	(i) Steel grills shall be provide to outer windows.	On all floors.
6.	ELECTRIC WIRING	a) Wiring	(i) the building shall have conduit wiring.	The building shall have concealed copper wiring.
		b) Communication system.	Not provided	Telephone / TV/ Internet conduits be also provided as per need of the future.
7.	COMPOUND WALLS AND GATES	a) Compound walls.	(i) Standard compound walls shall be provided. (ii) The outer faces of walls shall have brick face and the inner face shall be plastered.	Standard compound walls shall be provided. The outer faces of walls shall have exposed brick face and the inner faces shall be plastered.
		b) Gates.	i) Standard gates shall be provided.	Standard gates shall be provided.
8.	PROVISION OF RAIN & WATER HARVESTING	-	-	As per Hr.Govt. Notification.

REVISION OF SPECIFICATIONS BY ECONOMY COMMITTEE

HOUSE TYPES 1882 SFT. AND 2775 SFT. AREAS.

Sr.No.	Items	Sub Items	Present Specifications	Revised Specifications
1.	FLOORING, DADO-SKIRTING	a) Drawing Room, Dinning and Lobby b) bed Room, Entrance, Store Room	a) Grey terrazzo flooring with 3" height skirting of relevant floor.	a) Vitrified tiles minimum size 2'-0" x 2'-0" b) ceramic Tile Non Skid.
		b) Staircase.	Kotah Stone.	Kotah Stone.
		c) Kitchen	(i) Kotah Stone flooring (ii) worktops shall be finished with marble stone / Baroda green stone. (iii) the Walls of Kitchens shall have dado of glazed tiles upto a maximum of 6'9" height for as per detailed drawings. (iv)	(i) Non Skid Ceramic tiles flooring. (ii) worktops to be finished with Granite. (iii) Glazed tiles dado upto 6'-9"
		d) Corridors / Verandah.	Grey Terrazzo Flooring	Kotah stone.
		e) Toilets.	(i) Doongri Marble tiles 10"10" shall be provided. (ii) all toilets shall have dado of glazed tiles upto 6'9" height. (iii)	(i) Non Skid Ceramic Tiles. (ii) Provision for Installation of washing machine shall be made. (iii) Dado ceramic tiles upto 7'-0" with border, minimum size 8"x12".
		f) Garages, Servants, Rooms and Stores.	Conglomerates flooring with skirting of relevant type.	i) gongiomerate flooring with skirting of relevant floor.
		g) Servant Toilets.	Grey Terrazzo dado upto 4'6" height.	Ceramic tile Flooring. Ceramic tiles 8"x12" size upto 4'6" on Dado.
		h) Sleeping Terrance.	(i) Brick tile terracing with cement pointing.	i) Coba Treatment.
2.	JOINERY WORK FOR DOORS, WINDOWS AND VENTILATORS.	a) Frames	Pressed steel frames for all doors, windows, ventilators, openable & fixed with glazing.	Hardwood frames for all doors, windows, ventilators, openable & fixed with glazing.
		b) Shutters.	The shutters for doors, windows, ventilators, shall be of hard wood.	The shutters for doors, windows, ventilators shall be hard wood except teak.
		c) Wood to be used.	Wood to be used shall be kiln seasoned hard wood such as hillock, champs chikrassy, and chaplashi.	Wood to be used shall be kiln seasoned hard wood as per I.S.I. specification.
		d) Cupboards.	(i) R.C.C. shelves 1" thick will be	(i) ¾ thick block board shelves.

			provided in the cup-board. (ii) Flush shutters of commercial ply with hard wood (Hollock) frame.	(ii) Flush shutters 25mm thick ISI marked.
		e) Toilets.	Baths and toilets shall have pressed steel chowkhats with shutters of hard wood.	Bath and toilets shall have hard wood chowkhats and paneled shutters with cement bonded particle board panel inserts.
		f) Wires gauge shutters.	Fly mesh shutters to all outer doors to be provided	Fly mesh shutters to all outer doors / windows to be provided.
		g) Door Fittings.	Aluminium fitting to be used.	Aluminium fitting to be used, ISI marked.
3.	INTERNAL AND EXTERNAL FINISHES	a) Internal walls & Ceiling	All internal walls of drawing rooms, dining rooms, bed rooms and lobbies shall be distempered as per colour scheme and rest of the internal walls including ceiling shall be white washed.	Oil bound Disptemper, Ceiling to be white washed with non sticking material.
		b) Joinery painting.	Joinery shall be painted with synthetic enamel paint of approved shade of first quality	Joinery shall be painted with synthetic enamel paint.
		c) External finish	i) The exposed brick surface shall be finished with cement pointing with matching pigment or striking of joints painted with snowcem. (ii) All R.C.C. work shall be plastered unless until otherwise specified.	(i) Painting / Plastered / Grit finished / Brick facing / Painted with appropriate external paint as per color scheme. (ii) All RCC work shall be plastered unless otherwise specified.
4.	SOIL WASTE & RAIN WATER PIPES.	a) Rain water pipes.	(i) All C.I. rain water pipes shall be embedded in walls.	(i) All R.W.P.s be laid in approachable shall be concealed in ducts. (ii) PVC pipes shall be used. (iii) RWP's need not be embedded in brick walls in general.
		b) Soil waste pipes.	All Soil Waste Pipes shall be embedded in walls	All the soil waste pipes shall not exposed.
	GRILLS	a) Grills	Steel grills to outer windows be provided in all the categories of houses to give greater security to the houses.	Steel grills to outer windows to be provided in all the categories of houses to give greater security to the house.
	ELECTRIC WIRING	a) Wires.	The building shall have conduit wiring.	Copper wiring in concealed conduits be provided.
		b) Switches.	No specification is provided.	Switches / MCBs of sturdy material of standard quality, ISI marked.
5.	COMPOUND WALLS AND GATES.	a) Compound walls.	Standard compound walls shall be provided. The outer faces of walls shall	Standard compound walls shall be provided. The outer faces of walls shall

			have exposed brick face and the inner faces shall be plastered.	have exposed brick face and the inner faces shall be plastered.
		b) Gates.	Standard gates shall be provided	Standard gates shall be provided.
6.	INTERNET & OTHER COMMUNICATIONS SYSTEMS	a) Communication system to be adopted	No specification provided.	Telephone / Internet / TV conduits should be proved for needs for future.
7.	RAIN WATER HARVESTING	-	-	As per Hr. Govt. Notifications.

REVISION OF SPECIFICATIONS BY ECONOMY COMMITTEE

HOUSE FOR MINISTERS.

Sr.No.	Items	Sub Items	Present Specifications	Revised Specifications
1.	FLOORING, DADO-SKIRTING	a) Drawing Room, Dinning Room and Lobby and Bed Rooms.	Silver grey Terrazzo flooring and Marbles flooring .	Vitrified Tiles flooring / marble of approved quality.
		b) Satircase.	Marble Flooring	Marble flooring
		c) Kitchen	i) Kotah stone flooring ii) Not specified iii) glazed tiles of 8"x4" size dado iv) Conglomerate flooring in Kitchen courtyards	(i) Marble flooring / Non skid ceramic tiles 18"x18" minimum size. (ii) Main worktaps – finished with Granite (iii) Glazed files dado upto 6'-9". (iv) Kotah Stone flooring in Kitchen courtyard.
		d) Toilets	i) Glazed tiles of 8"x4" size flooring ii) Glazed tiles dado.	(i) Marble flooring / Ceramic Tiles. (ii) Glazed tiles dado upto 6'-9"
		e) all other rooms	Grey Terrazzo flooring	Vitrified tiles 2'-0" x 2'-0"
		f) Garage.	Conglomerate flooring	Conglomerate flooring.
		g) Driveway + Porches.	Cement concrete pavement in driveway and Chequered tiles in Porches	Cement concrete pavement in driveway and cdhquered tiles in Porches.
		h) Terraces.	Kotah Stone	Brick Bats Coba Treatment.
2.	JOINERY WORK FOR DOORS WINDOWS AND VENTILATORS	a) Chowkhats	Pressed Steel chowkhats for all doors, windows, Ventilators, openable & fixed with glazing	Teak wood / Seesham wood.
		b) Shutters.	The shutters for doors, windows & ventilators shall be of Hard wood.	The shutters for doors, windows, ventilators shall be Hard wood shutters. Doors shall have flush shutters. ISI marked.
		c) Cupboards.	i) Pressed steel frames with 25mm thick flush shutters	i) Frames of teak wood with 25mm thick solid flush shutters with teak veneers & spirit polish ¾ thick block board for shelves etc.
		d) Fittings.	Shelves will be 25mm thick precast RCC with IRC Fabric Aluminium Fittings.	Brass / Stainless Steel.
3.	INTERNAL AND EXTERNAL FINISHES.	a) Internal finish	Grill bound distemper	(i) All Internal walls Plastic emulsion in designated areas & rest (ii) Joinery to be painted with synthetic enamel Paint / polish of good quality

				for teak veneers.
		b) External Finish	All RCC work shall be plastered unless otherwise specified. The exposed brick surfaces shall be finished with cement pointing with matching pigment or striking of joints with snowcem.	(i) Pointing / Plastered /Grit finished / Painted with appropriate external painting. (ii) Stone cladding as per Arch. Drgs.
4.	SOIL WASTE & RAIN WATER PIPES.	a) Soil Waste Pipes	All the soil waste pipes shall be embedded in walls.	All the soil waste pipes shall be concealed in ducts.
		b) Rain Water Pipes.	All the C.I. Rain water pipes shall be embedded in walls.	The C.I. rain Water pipes shall be concealed in ducts.
5.	GRILLS	a) Grills	Not specified.	At ground floor only and at upper floors wherever required.
6.	ELECTRIC WIRING.	a) Wiring.	(i) The building shall have conduit wiring. (ii) Communication system to be adopted	(i) Concealed Copper wiring. (ii) Internet duct, telephones / TV conduits be provide as need of the future.
7.	RAIN WATER HARVESTING.	-	-	As per Hr. Govt. Notification.

REVISION OF SPECIFICATIONS BY ECONOMY COMMITTEE

HIGHER / SENIOR SECONDARY SCHOOL BUILDINGS.

Sr.No.	Items	Sub Items	Present Specifications	Revised Specifications
1.	FLOORING, DADO-SKIRTING	a) Corridors / Common Areas.	Grey terrazzo flooring	Kotah stone flooring.
		b) Class Rooms / Office Rooms.	Floors in all the class rooms, office rooms and store shall be of plain cement concrete.	Terrazzo flooring of Silver grey colour.
		c) Toilets .	White glazed tiles on all toilet walls upto a height of 6'9"	(i) Flooring – Kotah stone with 4" high skirting. (ii) Glazed Tiles dado upto 4'-6"
		d) Principal Room/Teacher's Common Room / Computer Room / Library	Plain cement concrete flooring	Ceramic Tiles minimum size 16'16" Joint free. Terrazzo.
2.	JOINERY WORK FOR DOORS, WINDOWS AND VENTILATORS	a) Chowkhats.	Pressed steel sheet frames / chowkhats to be used for all joinery work.	Pressed steel chokhats for all doors, window, ventilators, openable and fixed glazing.
		b) shutters.	Well seasoned ISI marked commercial hard wood flush shutter for doors and paneled/ glazed shutters for baths, toilets	(i) Factory manufactured solid flush shutter with hard wood fram for foors, hard wood shutters for windows & ventilators. (ii) Paneled door shutters of hardwood shall be provided in toilets (with cement bonded panel inserts).
		c) Cupboards Shelves.	RCC Shelves.	(i) Ferro cement R/RCC (Minimum thickness) shelves shall be provided.
		d) Fittings.	All fittings to be of Aluminium	All fittings of Aluminium shall be provided ISI marked.
		e) Grills	Not provided	Grills at ground floor, Library, Stores Computer Rooms, Labs.
3.	INTERNAL AND EXTERNAL FINISHES	a) Internal Finishes	Finish on walls shall include cement – plaster with three coats of white washing except principal's room, staff rooms, committee rooms and library rooms which will have distemper finish.	(i) Principal Room / Library / Computer Room, Teachers Common Room, Class Room, shall have oil bound distemper. (ii) Toilets shall be white washed.
		b) External finishes	Outer wall faces shall have cement pointing & snowcem paint if no other facing work if done.	(i) Plastered surface / Bricks facing shall have external paints as per colour scheme. (ii) No RCC work to be plastered, unless

				otherwise specified.
4.	SOIL WASTE & RAIN WATER PIPES.	(a) Soil Waste Pipes.	All the soil waste pipe shall be concealed in ducts.	All the soil waste pipes may be laid in approachable ducts.
		b) Rain Water Pipes.	All C.I. rain water pipe shall be concealed in ducts.	(i) All the Rain Water pipes be laid in approachable and openable ducts. PVC is preferred over CI RWP's need not be embedded in brick walls in general..
5.	ELECTRIC WIRING	a) Wiring	All the wires of electricity, telephone etc shall be in conduit pipes and shall pass through independent ducts.	(i) Concealed Copper wiring. (ii) Internet ducts, telephones / TV conduits be provided as per need of the future.
6.	TELEPHONE & OTHER COMMUNICATIONS SYSTEM.	a) Telephone & Other	Not Provided	Telephone / internet / TV conduits shall be provided for need future.
7.	HARVESTING WATER HARVESTING SYSTEM.	-	-	As per Hr. Govt. Notification.

REVISION OF SPECIFICATIONS BY ECONOMY COMMITTEE

HIGHER EDUCATION (COLLEGES)

Sr.No.	Items	Sub Items	Present Specifications	Revised Specifications
1.	FLOORING, DADO-SKIRTING	a) Class Rooms/Office Rooms & stores.	Plain Cement concert flooring.	Floor in all class / Office rooms & Store shall be of terrazzo of silver Grey.
		b) Corridors, Verandah, Entrance Hall circulation space and staircases.	Grey terrazzo flooring	Kotah stone flooring with Marble Pattern 15%
		c) Canteen.	-	Kotah Stone.
		d) Library	-	Kotah stone.
		e) Principal Room / Computer Room/ Teacher's Common Room	Plain Cement concert flooring	Vitrified Tiles in principal's room.
		f) Toilets.	Plain Cement concert flooring	Granite flooring with ceramic glazed tiles dado upto 5'
2.	JOINERY WORK FOR DOORS, WINDOWS AND VENTILATORS.	a) Frames.	Pressed steel frames for all doors, windows ventilators, open able and fixed with glazing.	Pressed steel frames for all doors, windows ventilators, openable and fixed with glazing.
		b) Door Shutters.	i) Paneled door shutters of hardwood shall be provided	(i) Well seasoned ISI marked commercial hardwood flush shutters for doors and paneled shutters for bath, toilets (with cement bonded partical board).
		c) Door Fittings.	All fittings of aluminium shell be provided.	All fitting of aluminium ISI marked.
		d) Grills	No provision	Grills at ground floor only. At upper floor wherever required.
		e) Cupboard	RCC shelves shall be provided	(i) Ferro cement RCC (Minimum thickness shelves shall be provided solid flush shutters 25mm thick phenol bonded.
3.	INTERNAL AND EXTERNAL FINISHES.	a) Internal Walls & Ceiling	i) Principal room / Library / Computer room, teachers common room shall be white washed. ii) Corridors / Classrooms and ceiling shall be white washed.	(i) Principal's Room / Library / Computer Room, Teacher's Room shall be finished with oil bound distemper every two years. (ii) Corridors / classrooms O.B.D. (iii) ceilings to be White washed.
		b) External Walls.	i) The exposed brick surface to be	Plastered / Bricks facing / Stone

			finished either with cement pointing with matching pigment or sticking of joints with snowcem.	cladding external paints can be used of multiple colours.
4.	SOIL WASTE & RAIN WATER PIPES.	a) Rain water pipes.	All RWPS may be exposed.	i) All rain water pipes be laid in approachable and openable ducts.
		b) Soil waste pipes.	All the soil waste pipes may be exposed	(i) PVC is preferred over C.I. (ii) RWP's need not be embedded in brick walls in general.
5.	ELECTRIC WIRING	a) Wiring	The building shall have conduct wiring.	i) copper wiring in concealed conduits be used. ii) Internet ducts, telephones / TV conduits be provided as per need of the future.
6.	HOUSES FOR EDUCATION WORKS.	a) Residential Buildings.	-	All residential buildings in the college schemes shall be of the same standard as for other residences in the state.
7.	INTERNET & OTHER COMMUNICATION SYSTEM	a) Communication system to be adopted.	Not Provided	Telephone / Internet / TV conduits shall be provided for need future.
8.	SOLAR WATER HEATING SYSTEM FOR HOSTELS.	-	-	As per HAREDA Guidelines.
9.	RAIN WATER HARVESTING	-	-	As per Hr. Govt. Notification.

REVISION OF SPECIFICATIONS BY ECONOMY COMMITTEE

I.T.I. / POLYTECHNIC BUILDINGS (STANDARD DESIGN).

Sr.No.	Items	Sub Items	Present Specifications	Revised Specifications
1.	FLOORING, DADO-SKIRTING	a) Class Rooms/Office Rooms & stores.	Terrazzo floors in all class rooms and office rooms.	Floor in all class / Office rooms & Store shall be of terrazzo of silver Grey / Kotah stone.
		b) Corridors, Verandah, Entrance Hall circulation space and staircases.	Kotah Stone flooring with 3" high matching skirting	Kotah stone flooring with Marble Pattern 80:20 ratio.
		c) Canteen.	-	Kotah Stone flooring with Marble Pattern.
		d) Library	Terrazzo floors in all class rooms and office rooms.	Kotah.
		e) Principal Room / Computer Room/ Teacher's Common Room	-	Mat Finish vitrified tiles.
		f) Workshop	-	Ironite flooring.
		g) Toilets.	Kotah stone flooring with white glazed tiles dado upto 6'9" height.	Ceramic glazed tiles on walls upto a height of 6'-9", Granite flooring.
2.	JOINERY WORK FOR DOORS, WINDOWS AND VENTILATORS.	a) Frames.	Pressed steel frames for all doors, windows ventilators, open able and fixed with glazing.	Pressed steel frames for all doors, windows ventilators, openable and fixed with glazing.
		b) Door Shutters.	Factory manufactured paneled and glazed door shutters of hard wood such as hillock, champs, chikrassy and chaplash etc.	(i) Well seasoned ISI marked commercial hardwood flush shutters for doors and paneled /glazed shutters for bath, toilets (cement bonded partical board Panel Inserts).
		c) Door Fittings.	Aluminium fittings to be used.	All fitting of aluminium ISI marked.
		d) Grills	No provision	Grills at ground floor only. At upper floor wherever required.
		e) Cupboard	RCC shelves shall be provided in the cupboards. Shutters shall be well seasoned hard wood with 3mm commercial ply facing on one side.	(i) Ferro cement RCC (Minimum thickness shelves shall be provided 25mm thick.
3.	INTERNAL AND EXTERNAL FINISHES.	a) Internal Walls & Ceiling	Internal surface shall be finished with 3 coats of white washing.	(i) Principal's Room / Library / Computer Room, Teacher's Common Room shall be finished with oil bound distemper every two years. (ii) Corridors / classrooms O.B.D.

				(iii) White washed.
		b) External Walls.	Exposed brick surface to be finished either with cement pointing with matching pigment or striking of joints with snowcem.	Plastered / Bricks facing / Grit / Exposed concrete with external paints can be used of multiple colours.
4.	SOIL WASTE & RAIN WATER PIPES.	a) Rain water pipes.	C.I. rain water pipes shall be concealed in ducts.	i) All rain water pipes be laid in approachable and openable ducts.
		b) Soil waste pipes.	All the soil waste pipes shall be concealed in ducts.	(i) PVC is preferred over C.I. (ii) RWP's need not be embedded in brick walls in general.
5.	ELECTRIC WIRING	a) Wiring	All the wires of electricity, telephone etc. shall be in conduit pipes and shall pass through independent ducts.	i) Copper wiring in concealed conduits be used. ii) Internet ducts, telephones / TV conduits be provided as per need of the future.
6.	HOUSES FOR EDUCATION WORKS.	a) Residential Buildings.	-	All residential buildings in the college schemes shall be of the same standard as for other residences in the state.
7.	INTERNET & OTHER COMMUNICATION SYSTEM	a) Communication system to be adopted.	No Specifications Provided	Telephone / Internet / TV conduits shall be provided for future need also.
8.	RAIN WATER HARVESTING	-	-	As per Hr. Govt. Notification.
9.	SOLAR WATER HEATING SYSTEM FOR HOSTELS.	-	-	As per HAREDA Guidelines.

REVISION OF SPECIFICATIONS BY IRONITE FLOORING COMMITTEE

MAIN BUS STAND AND WORKSHOPS.

Sr.No.	Items	Sub Items	Present Specifications	Revised Specifications
1.	FLOORING, DADO-SKIRTING	a) Circulation Area / Stain Case.	Kotah stone flooring shall be provided with matching skirting in circulation area / stair.	Kotah stone with border design of Marble 15%.
		b) Rooms.	Grey Terrazzo flooring with matching skirting.	Kotah / Terrazzo Silver grey.
		c) Toilets	All toilets shall have kotah stone flooring with glazed tiles dado upto 6'-9" height.	(i) On floors – Granite / Kotah stone of minimum size 2'x2' On walls, granite stone / granite tiles / ceramic tiles. (ii) Urinals pots – stall type urinals. (iii) Wash basin with counter top be provided.
		d) Workshop Yards.	-	Ironite flooring.
2.	JOINERY WORK FOR DOORS, WINDOWS AND VENTILATORS.	a) Frames.	Pressed steel frames for all doors, windows, ventilators, open able & fixed with glazing.	Standard steel section in toilets / ducts. Pressed Steel frames / standard steel section for all other places.
		b) Door Shutters.	The shutters for doors, windows, ventilations, shall be of hard wood, factory manufactured solid flush doors shutters.	Shutters shall be factory manufactured solid flush shutters.
		c) Toilets.	In toilets where water proof board shutters shall be used.	Doors to open out side, 3" above floors, steel/ aluminium frames & shutters.
		d) Cupboards.	Cup board shutters of hard wood such as hillock, champ, chikrassy, chaplash etc. With commercial ply wood faced on both side.	(i) Cup Board Shutters – 25mm thick solid flush. ISI marked. (ii) Ferro cement 25mm thick / Stone slabs shelves.
3.	INTERNAL AND EXTERNAL FINISHES	a) Internal Walls & Ceiling	i) All internal surfaces be finished with 3 coats of white washing	i) In designated area, oil bound distemper after every two years. All ceiling to be white washed.
			ii) Steel shuttering pattern has to be provided on exposed R.C.C. work.	(ii) In circulation & Corridors – upto 4'-0" height ceramic tiles matching with floors or cement based white proof paint above 4'-0". For workshop Dado 6'9"

		b) Joinery to be painted	Joinery shall be painted with synthetic enamel paint.	Joinery to be painted with synthetic enamel paint.
		c) External Area.	Red Sand stone / Agra Stone facing on the wall.	Plastered / Grit Finish / Concrete Finish / Stone cladding. Appropriate External painting could be used.
4.	SOIL WASTE & RAIN WATER PIPES.	a) Rain water pipes.	All CI water pipes shall be embedded in walls.	(i) All RWP's be laid in approachable and openable ducts. (ii) PVC is preferred over C.I. (iii) RWP's need not to be embedded in brick walls in general.
		b) Soil Waste pipes.	All the soil waste pipe shall be embedded in walls.	All the soil waste pipes shall not be exposed.
5.	ELECTRIC WIRING	a) Wires	The buildings shall have conduit wiring.	Copper wiring in concealed conduits be used.
		b) Lights.	No provisions.	High mask lights & glow signs be provided as per the requirement of the department.
6.	PLATFORMS.	a) Workshops.	Brick work & Concrete flooring	For platforms areas for workshop, steel structure with fiber roofing be also used.
7.	ROOFING	a) Roofs.	Roofs shall be of steel trusses for workshops buildings.	Flat Roofs of RCC
8.	SIGNAGES / DIRECTION SIGN	-	-	Should be provide in HINDI & ENGLISH
9.	RAIN WATER HAVESTING SYSTEM	-	-	As per Hr. Govt. Notification.

REVISION OF SPECIFICATIONS BY ECONOMY COMMITTEE

MINI SECRETARIATS AND JUDICIALS COMPLEXES

Sr.No.	Items	Sub Items	Present Specifications	Revised Specifications
1.	FLOORING, DADO-SKIRTING	a) Rooms	Grey terrazzo flooring in all rooms.	(i) Office Rooms Silver Grey terrazzo flooring (any colour). (ii) all designated rooms of class I officers and retiring rooms of Judges – vitrified tile.
		b) corridors, staircases, kitchens and pantry	Kotah stone flooring with 4 high matching skirting	Kotah stone with border design of marble (10% maximum). Main staircase – Granite.
		c) Main Officer Entrance Lobby	Kotah stone flooring with 4 high matching skirting	Granite upto 25% could be used.
		d) Toilets	Kotah stone flooring with 6'9" high dado of glazed tiles.	(i) Attached Toilets :- 6'9" high glazed tiles on walls. Non skid tiles flooring. (ii) general toilets:- Granite flooring, flooring with 6'-9" high dado of glazed tiles.
		e) All courts, Bar rooms, Litigant Hall	Grey terrazzo flooring	Kotah stone with marble (15% maximum terrazzo.
		f) Bank, Post Office, halls, Libraries	Grey terrazzo flooring	Kotah Stone.
		g) Porch / Driverway /Ramp	Grey terrazzo flooring	Interlocking pavers / Concrete.
		h) Record Rooms.	Grey terrazzo flooring	Ironite flooring.
2.	JOINERY WORK FOR DOORS WINDOWS AND VENTILATORS.	a) Frames.	Pressed Steel frames for all doors, windows, ventilators, open able & fixed with glazing.	All frames of standard steel sections pressed steel sections of standard size. Space for window A.C. / Cooler in designated rooms to be left in glazing.
		b) Door Shutters.	The shutters for doors, windows, ventilators, shall be of the wood.	(i) window with wire gauge shutters. (ii) Flush door shutters.
		c) Wood to be used.	c) Wood to be used shall be kiln seasoned hard wood such as hillock, champ, chikrassy, and chaplash.	Wood to be used should be kiln seasoned hard wood except teak.
		d) Cupboard	RCC shelves will be provided in the cupboards. Shutters shall be well seasoned hard wood with 3mm commercial ply facing on one side.	RCC shelves will be provided in the cupboards, Solid flush shutters 25mm thick.

		e) Door fittings.	Aluminium fittings to be used.	Aluminium fittings to be used. ISI marked.
3.	INTERNAL AND EXTERNAL FINISHES	a) Internal Walls & Ceiling	All internal walls and ceiling to be cement plastered and white washed.	(i) In designated area, oil bound distemper shall be provided. (ii) For all other area – distemper.
		b) Joinery & Other area to be painted	Joinery to be painted with synthetic enamel paint of approved shade.	(i) Joinery to be painted with synthetic enamel paint of approved shade and brand / make. (ii) In circulation & corridors upto 4'-6" height ceramic tiles matching with floors or Mat finish water proof paint of light shade. Above 4'-6" Oil bound distemper of same shade.
4.	EXTERNAL FINISHES	a) External walls	(i) Exposed brick surface shall be finished either with cement pointing with matching pigment or striking of joints with snowcem. (ii) No RCC work is to be plastered only exposed concrete finish will be kept.	(i) Plastered finish / Grit finish / Concrete finish Brick facing. Stone Cladding. Level complexes / Circuit houses. Appropriate external painting can also be used.
5.	SOIL WASTE & RAIN WATER PIPES.	a) Rain water pipes	C.I. rain water pipes shall be concealed in ducts.	(i) All rain water pipes be laid in approachable and openable ducts. PVC should normally preferred over C.I. (ii) RWP's need not be embedded in brick walls in general.
		b) Soil waste pipes.	All the soil waste pipes shall be concealed.	All the soil waste pipes shall not be exposed.
6.	GRILLS	a) Grills.	Grills shall be provided to the windows and ventilators for security.	Grills shall be provided at ground floor and at upper floor wherever public interface exists. Record rooms and treasures to be provided with grills.
7.	ELECTRIC WIRING	a) Wires	All the wires of electricity, telephone etc. shall be conduit pipes and shall pass through independent ducts.	Copper wiring in concealed conduits be used.
		b) Communication System to be adopted	-	Internal ducts, Telephones / Conduits be provided as per need of the future. In case of house T.V. conduits be provided
8.	WATER HARVESTING SYSTEM	a) Water Heater	-	Solar Heater to be provided for water heating in major building – Mini

				Secretariate, Distt. Judicial Complexes and use of Geyser should be minimized. Energy efficient lights be used.
9.	FIRE SAFETY MEASURE	a) Devices.	Not provided.	Fire Safety devices be provided as per provisions made in the National Building Code.
10.	RAIN WATER HARVESTING	a) Provision	Not specified.	To be provided as per notification of Haryana Govt. in this regard.
11.	SOLAR WATER HEATING SYSTEM	-	-	As per HAREDA Guidelines.
12	RAIN WATER HARVESTING SYSTEM.	-	-	As per Hr. Govt. Notification.