

राष्ट्रीय आदिवासी छात्र शिक्षा समिति
(जनजातीय कार्य मंत्रालय के अंतर्गत
एक स्वायत्त संस्थान, भारत सरकार)
भू-तल, गेट नंबर-3ए, जीवन तारा बिल्डिंग,
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F. No. NESTS/Civil/EMRS Order/140/2021-22

Date: 09.08.2021

To

The Nodal Officers of Construction Agencies
(TCIL/WAPCOS/NPCC/MTDC/MANIDCO/HSCL/B&R and EPIL)

**Subject: - List of preferred makes of materials to be used in EMRS/EMBDS works-R1-
regarding**

**Reference: - Prefer make List vide NESTS order no. 18015/11/2019-EMRS(Pt.) dated
04/03/2021(R1)**


Dear Sir,

I am directed to convey the approval of the competent authority in respect of revision-1 to the list of preferred makes of materials (Civil) issued by this office vide order no. 18015/11/2019-EMRS(Pt.) dated 04/03/2021.

S. No.	Material /Article	Conforming IS Code	Original Manufacturers/ Agencies/ Brand make	Revised Manufacturers/ Agencies/ Brand make
1	Steel Reinforcement	IS 1786:2008	Thermo mechanically treated bars Fe-500 Grade conforming to IS 1786:2008 from approved brands i.e. SAIL, TISCO, RINL	Thermo mechanically treated bars Fe-500 Grade conforming to IS 1786:2008 from approved brands i.e. SAIL, TISCO, RINL and Shyam Steel (Shyam Steel Industries Ltd)

This is issued with the approval of the competent authority

Encls.: As Above



K C Meena

(Additional Commissioner)

Copy to:

1. PS to Commissioner, NESTS, Jeevan Tara Building, New Delhi
2. Guard File

LIST OF PREFERRED MAKE OF MATERIALS (CIVIL) for EMRS/EMBDS Works (R1)

S. No.	Material /Article	Conforming IS Code	Manufacturers/ Agencies/ Brand make
1	Cement (OPC 43 grade)	IS 8112:1989	A.C.C., Jaypee Cement, Ultratech, Shri Cement/Bangur, Gujrat Ambuja Cement and Cement Corporation of India,
2	Steel Reinforcement	IS 1786:2008	Thermo mechanically treated bars Fe-500 Grade conforming to IS 1786:2008 from approved brands i.e. SAIL, TISCO, RINL and Shyam Steel (Shyam Steel Industries Ltd)
3	Ready Mix Concrete	-	Ultra Tech (Ultra Tech Cement Ltd.), ACC (ACC Cements Ltd), RMC (India), RMC (India) Pvt. Ltd.
4	AAC Blocks	-	Xtralite (Ultra Tech Cement Ltd), Areocon (HIL), Nucon (Green Way building materials India Pvt. Ltd.), Magicrete (Magicrete Precast)
5	Structural Steel	IS 2062:2011	SAIL, TISCO, RINL
6	Stainless Steel		Salem (SAIL), Jindal (JSW), SAIL (SAIL)
7	Corrugated GI Sheets	IS 277:2003	TATA, Essar, SAIL, JSW, BHUSAN
8	Colour coated profile sheet	-	TATA
9	Float Glass Profile sheet TATA (transparent)	IS 14900:2000	TATA, Modiguard, Saint Gobain
10	Aluminium extruded sections	IS 733:1983 & IS 1285:2002	Jindal, Hindalco
11	Aluminium plain sheets	IS 733:1983 & IS 1285:2002	Jindal, Hindalco
12	Factory made Machine pressed Pre-laminated flush door shutter	IS 2202 (Part 1) : 1999 and relevant IS code	Century, Greenply, Archid, Kitply, Duroply, Merino
13	Block Board	IS 1659:2004	Century, Greenply, Archid, Kitply, Duroply, Merino
14	Flush door shutter	IS 2202 (Part 1) : 1999	Greenply, Century, Archid, Kitply, Duroply, Merino
15	Boiling Water proof plywood, Block board, Commercial plywood	IS 303:1989	Greenply, Century, Archid, Kitply, Duroply, Merino
16	Aluminium door & window fittings	Relevant IS Code	Jyoti, Argent, Everest
17	PVC rigid foam sheet	-	Rajshri or equivalent
18	Hydraulic Floor Spring	IS 6315:1992	Dorma, Hardwin, Ozone, Dorma, Dorset
19	Door Closure	IS : 3564	Dorma, Hardwin, Ozone, Dorma, Dorset
20	uPVC doors, door frames and windows	-	Fenesta (Fensta DCM Shriman), Encraft (Encraft India Pvt. Ltd.), Duroplast (Duro Plast Extrusion Pvt. Ltd.)
21	Float Glass	-	Saint Gobain (Saint Gobain India Pvt. Ltd.), Modiguard (Gujarat Guardian Ltd.), Asahi (Asahi India Glass ltd.)
22	SWR uPVC pipe & fitting	IS 4985:2000 & IS 14233:1999	Supreme, Finolex, Prince, Astral, Prakash
23	CPVC Pipe (White Colour) & fittings	IS 16088: 2012, IS 15778:2007	Supreme, Finolex, Prince, Astral
24	Ceramic glazed wall tiles	IS 13712:1993	Kajaria, Orientbell, Somany, NITCO, HR Johnson,
25	Vitrified Tiles	IS: 15622: 2006	Kajaria, Orientbell, Somany, NITCO, HR Johnson,
26	Bitumen VG-30, VG-10 etc.	IS:73:2013	As per particular specification of IOCL, BPCL, HPCL.
27	Admixtures	IS: 9103:1999	FOSROC, SIKKA, CICO Technologies Ltd., Pidilite

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28	Mild Steel Tubes	IS: 1239:1990	As per IS Code
29	Ist quality Acrylic Distemper (Ready mix)	-	Bison (Lewis Berger), Beauty (Nerolac), Tractor Uno (Asian Paints)
30	Premium Acrylic smooth exterior Paint withsilicon additives	-	ULTIMA (Asian paint), Premium Exterior Emulsion (Dulux), Weathercoat long life 7 (Berger)
31	Paints	IS:101:1986	Lewis Berger, Asian Paints, Nerolac, Dulux
32	Steel/Wood Primer paints	IS:14177:1994	Lewis Berger, Asian Paints, Nerolac, Dulux
33	Factory made C.C. Interlocking Paver Blocks	IS: 15658:2006	Nitco, KK, NTC
34	Bitumen 85/25	IS:702:1988	HPCL, IOCL
35	Water Proofing Compound	IS:2645:2003	FOSROC, Dr. FIXIT, BASF
36	G. I. Pipes	IS:1239	TATA, Jindal, Hissar
37	G. I. Fittings	-	UNIK
38	PVC Water Storage Tanks	IS: 12701:1996	Sintex, Plasto
39	P.T.M.T. Accesseries	IS:9763	Prayag, Prakash, Surya
40	Mirror	-	Saint Gobain (Saint Gobain India Pvt. Ltd.), Modiguard (Gujarat Guardian Ltd.), Asahi (Asahi India Glass Ltd.), Atul (Autl Glass Industries Ltd.)
41	Stainless Steel Sink	IS: 13983:1994	Hindware, NIRALI
42	Sanitaryware/ Chinaware	As per IS Code	Cera, Parryware, Hindware
43	C.P. Fittings and accessories for bathroom /toilets	IS:7784:1993	Jaquar, Gem, Parko, Hindware
44	RCC Pipes	-	Indian Hume Pipes (Indian Hume Pipe Ltd.), Jain & Co (Jain spun pipes Co)
45	SFRC Cover and grating	-	KK (KK Manhole and gratings Co Pvt Ltd.)
46	CI Manhole cover		RPFM (M/s Raj Pattern Makers & founders Pvt. Ltd.), BIC (Bengal iron corporation), Neco (Jayaswal Neco Ltd)
47	Foot Rest (for manhole)		KGM (KGM Exports), Accurate Buildcon (Accurate Buildcon company), Neco (Jayaswal Neco Ltd)
48	Water stops		Hydrotite (Sika India), Dr. Fixit (Pidilite industries), Ferrous Crete (Ferrous Crete (India) Pvt Ltd.)
49	Aluminium doors/windows sections	-	Hindalco (Hindalco Industries Ltd.), Jindal (jindal Aluminium Ltd.)
50	Glass Reinforced Concrete (GRC) Jali		Terrafirma (Terrafirma GRC Industries), Ecovision (Ecovision Industries Pvt Ltd.), Mahesh GRC (Mahesh Prefab Pvt Ltd.)
Note: Equivalent materials and finishes of any other specialized make may be used, in case it is established that the brandsspecified above are not available in the market but only after approval of the alternate brand by the Competent authority/NIT Approving authority.			

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LIST OF PREFERRED MAKES OF MATERIAL (ELECTRICALS) - for EMRS/EMBDS Works

S. No.	Material /Article	Manufacturers/ Agencies/ Brand make
1	Engine	Ashok Leyland /Cummins/ Cater pillar /KOEL/ Volvo Penta / Mahindra & Mahindra /Escorts / Eicher
2	Alternator	Kirloskar/NGEF/KEL/Crompton Greaves (AL. series) / KEC /Leroy Somer / Stamford/Jyoti Ltd
3	Battery (Lead Acid /Mntc. Free)	Amara Raja / AMCO / Hitachi / Exide/ Prestolite/ Standard/Crompton Greaves
4	HV Switchgear	Southern Switchgear/Biecco Lawrie / Crompton / Kirloskar /MEI /Voltas/ Jyoti Ltd.(Make of the accessories like meters. CTs, PT etc. shall be as provided by the manufacturer of the H.T.Panel)
5	LT Switchgears	L&T/ Schneider Electric / Siemens/ABB/hager/Legrand
6	Vaccum Circuit Breaker	GE/Siemens
7	Transformer (Oil filled / Dry type)	ABB / Schneider Electric /Andrew Yule /Bharat Bijlee / Crompton Greaves / EMCO /Kirloskar /Siemens/Voltas/Areva/Hammond
8	HT Panels	ABB/Siemens/L&T/Schneider/Kirloskar/System Control
9	Air Circuit Breaker	L&T/ Schneider Electric / Siemens
10	MCCB (Ics=Icu)	L&T/ Schneider Electric / Siemens/Legrand/Havells
11	MV/LT Panels	TTA/CPRI Fabricators with panels cleared by CPRI
12	SDF units	L&T/ Schneider Electric / Siemens/ HPL/Havells
13	Power Contactors	L&T/ Schneider Electric / Siemens/Lakshmi(LECS)/BCH/GE Power Controls
14	Change Over Switch	HPL / Havells / H-H Elcon/Standard/Control & Switch gears
15	Air Break Switch	National/Kiran/Pactil/Atlas/Power grid switchgears
16	Pin and Disc Insulator	Jayshree/WS/IEC/BHEL/Bharat Industries
17	11 KV Horn Gap Arrestor	Sahal/Pactil/GEC/SEW
18	Lightning Arrestor	Atlas/GE/Elaro/Lamco/International/Oblum/Elpro
19	Drop out Fuses	National/Kiran/Pactil
20	G.I. Wire/Strip	Hot dippeed Galvanized
21	APFC Relay	L&T/EPCOS(Siemens)/ Schneider Electric / Neptune Ducati/Syntron/ABB/Trinity Electronics
22	IDMT Relay	AVKC/SEGC
23	C.T./P.T.	AE/MP/Marshall/Pactil/Kappa/L&T/Ashmor/Waco/Meco/Gilbert/Trio/Indotech/Indo coil
24	Selector Switch	L&T/Kaycee/IMP/Thakoor/Vaishno/Seizer/rass control
25	Indicating Lamp (LED Type) and Push Buttons	Vaishno/Siemens/L&T/AE/IMP/Rass control/Crompton/Kaycee/BCH/EMCO
26	Power Capacitors (MPP/APP)	Khatau Junkar/L&T/EPCOS(Siemens)/ABB/Crompton/Schneider Electric/NeptuneDucati
27	Digital Panel Meters i/c Multi Function Meter	Conzerv/Schneider Electric/ AE/ Digitron / IMP/Meco / Rishabh /Universal/HPL/L&T/ABB
28	Ammeter/Voltmeter	AE/Universal/Rishabh/Kaycee/Meco/Enercom
29	Cold shrink HT/LT Cable Joint Kit	Denson / 3M(M-Seal)/ Raychem
30	Rubber Matting (ISI Marked)	Jyoti Rubber Udyog/Raychem/Padmini/Dozz
31	AVM Pads	Dunlop/Poly Bond
32	MCB/ Isolator/ELCB/RCCB/ Distribution Board	Crompton / Havells / Indokopp / MDS Legrand/ L&T / Schneider Electric/Siemens /Standard/ C&S/ABB/HPL (makes of DBs and circuit breakers shall be same)
33	TPN Switches & HRC Fuses	Crompton / Havells / Indokopp / MDS Legrand/ L&T / Schneider Electric/Siemens / Standard/ C&S/HPL
34	PVC Conduits (ISI Marked) Colour : Ivory/Grey	AKG/BEC/Avon Plast/Precision/GM/Clipsal
35	Steel Conduits(ISI Marked)	BEC/Bharat/Gupta/AKG/RMCON/Steel Krafts
36	Piano/Modular Switches and Sockets	Legrand/MK/Havells/Anchor

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37	Cable Tray	MEM/Bharti/Ratan/Slotco/Profab
38	Cable Glands	MCI, Comet/Jainson
39	Thimbles/Lugs	Jainson/Dowells/Ascon
40	1.1 KV/11KV grade Al. Condr., XLPE insulated armoured cables (ISI Marked)	Finolex/Havells/Polycab//KEI/Universal/Gloster
41	Fire Survival cable	KEI/Polycab/RR Kable/Havells
42	Wires (PVC insulated copper conductor cable FRLS - ISI marked)/Telephone cables/Submersible cables/Co-axial/TV cables	Finolex/Havells/Polycab/Anchor/RR kabel/L&T
43	Fans and Exhaust fans (All Types)	Khaitan/Havells/Crompton/Orient/Almond/B ajaj
44	LED Luminaries i/c street light fittings (ISI Marked)	Phillips/Havells/Wipro/Crompton Greaves/Bajaj/Osram
45	LAN Cables	Panduit/Legrand/Belden/Schneider/Molex/Extreme/Systimax(C OMMSCOPE)
46	Centrifugal Pump	BE Power / Beacon /Crompton / Jyoti / Kirloskar / KSB
47	Submersible Pump	Crompton / BE Power /Kirloskar / KSB
48	Motors	ABB/ Bharat Bijlee / Crompton Greaves /Schneider Electric / HBB / Kirloskar /Siemens/Jyoti Ltd
49	Motor Starters	L&T/Siemens/BCH/ABB/MEI/GE Power Control/Schneider Electric
50	Fresh Air Fans	GE / Khaitan/Almonard/Crompton
51	Single Phase Preventer/Overload Unit	L&T / Minilec / Siemens / Zerotrip
52	Timers	L&T / Minilec / Siemens / Telemecanique/AE
53	GI/MS Pipe (ISI Marked)	ATC / ATL / BST / GSI / ITC / ITS / IIA /JST / Jindal /TTA / Tata/Zenith
54	Gate Valve/Foot Valve/NRV/Butter Fly Valve	Advance/Audco/Johnson Controls/Zoloto/Annapurna / Fountain /Kirloskar / Leader / Sant / Trishul/Kartar/Inter Valve
55	Single/Double Headed GM Landing Valve	New Age (Mumbai)/Safex/Ceasefire/Padmini/Life guard
56	Hydrant Valve	New Age (Mumbai)/Safex/Ceasefire/Kalpna/L&T valves Ltd./Life guard
57	Gauges	Feibig / H.Guru / Pricol
58	Controls	FLICA / Honeywell / Indfoss / Penn-Danfoss / Ranco / Ranutrol / Sporland
59	Pressure Guage	H Guru/Fiebig
60	Fine Filters	Anfiltra Effluent / ARW / Athlete/Airtake/ Dyna / Kirsloskar/ Puromatic/Purafill/ Purolator / Tenacity
61	GI Sheet	HSU Jindal / National / Nippon Denro /Sail / Tata
62	Heat Detector	Appollo / Chemtron/ Edward / Fenwal/Hochiki / Nitton /System Sensor/Wormald/Honeywell Essar/Notifier
63	Ionization Detector	Appollo / Cerebrus / Edward / Fenwal /Hochiki / Nitton / System Sensor /Wormald
64	Photo Electric Smoke Detector	Appollo / Cerebrus / Edward / Fenwal/Hochiki / Nitton / Wormald
65	Fire Panel (Microprocessor based)	Agni Instruments / Agni Devices/ Aruna Agencies/ Carmel Sensor / Ravel Elect./Honeywell Essar/Notifier/Navin Systems
66	Sprinkler/ Hose Reel & Hose Pipe (ISI Marked)	Safex/Padmini/Ge Tech/Agni/Newage/Ceasefire/Life Guard/Omex
67	Fire Extinguisher (ISI Marked)	Minimax/Lifeguard/Safeguard/Safex/Omex
68	Water Purifier	Eureka Forbes/Kent/Ion Exchange/LG
69	Inverter System	Sukam/Microtek/Luminous
70	Electrical Water Storage Heater (Geyser)	Racold/Crompton/Havells/Ditz
Note: Equivalent materials and finishes of any other specialized make may be used, in case it is established that the brands specified above are not available in the market but only after approval of the alternate brand by the Competent authority/NIT Approving authority.		

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