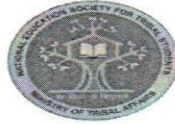


राष्ट्रीय आदिवासी छात्र शिक्षा समिति  
(जनजातीय कार्य मंत्रालय के अंतर्गत  
एक स्वायत्त संस्थान, भारत सरकार)  
भू-तल, गेट नंबर-3ए, जीवन तारा बिल्डिंग,  
संसद मार्ग, नई दिल्ली-110001  
दूर. 011-23340280



**National Education Society for Tribal Students**

(An Autonomous Organization under  
Ministry of Tribal Affairs, Govt. of India)  
Ground Floor, Gate No.3 A, Jeevan Tara Building,  
Parliament Street, New Delhi-110001  
Telephone No. 011-23340280  
वेबसाइट/Website: www.tribal.nic.in  
Email: nests-tribal@tribal.gov.in

F. No. NESTS/Civil/EMRS Order/140/2021-22

Date: 25.05.2022

To

MDs/CMDs/CEOs  
(TCIL/WAPCOS/NPCC/MTDC/MANIDCO/HSCL/B&R and EPIL)

**Subject: -List of preferred makes of materials to be used in EMRS/EMBDS works (R- 2) –  
reg.**

**Reference: -**

1. Prefer make List vide NESTS order no. 18015/11/2019-EMRS(Pt.) dated 09/08/2021(R1)
2. D.O.No S-20027/13/2020-TECH Issued by Ministry of Steel dated 12th January, 2021
3. OM Issued by the authority of DG, CPWD dated 17-02-2021

Sir,

I am directed to convey the approval of the competent authority in respect of Revision-2 to the list of preferred makes of materials (Civil) issued by this office vide order no. 18015/11/2019-EMRS(Pt.) dated 09/08/2021.

1. **Reinforcement Steel (TMT- FE 500) -** "Thermo Mechanically Treated (TMT) bars Fe-500 Grade conforming to IS 1786:2008 shall only be permitted. The PSU may approve the make/brand for use of TMT bars in EMRS Construction Work in light of the guidelines issued by Ministry of Steel vide DO letter Nos S-20027/13/2020-TECH dated 12.01.2021 addressed to Secretaries of various Ministries for procurement of Steel. Further PSU shall refer subsequent orders issued & procedure followed by CPWD & other Central Government Department for approval of TMT bars in this regard. While approval PSU ensure that approved brands/ make shall meet all quality parameters on Chemical Properties including Phosphorous and Sulphur percentage, Strength, etc. confirming to IS 1786:2008. The brands with consistent production quality having sufficient production capacity and fulfilling the aforesaid norms shall only be approved."
2. **Miscellaneous Civil & Electrical item (Revision-R-2) -** Preferred make list dated 09.08.2021 have been modified based on materials/brands preferred by CPWD and other reputed infrastructure govt organization confirming to relevant IS Stannard following established standard procedure (Revised Preferred Make Enclosed)
3. Furthermore, the NIT approving authority or the competent authority of PSUs may approve the other brand/make based on requirement on case-to-case basis provided **it confirm to relevant IS provision following established standard procedure and subject to full fill GOI norms, provisions and guidelines issued thereof.**

This issues with the approval of the competent authority  
Encls.: As Above

(K C Meena)  
Additional Commissioner

Copy to:-

1. Nodal Officer HQ, EMRS Works TCIL/WAPCOS/NPCC/MTDC/MANIDCO/HSCL/B&R and EPIL
2. Nodal Officer Zone/ State, EMRS Works TCIL/ WAPCOS/ NPCC/ MTDC/ MANIDCO/ HSCL/ B&R and EPIL
3. PS to Commissioner, NESTS, New Delhi
4. Guard File



**LIST OF PREFERRED MAKE OF MATERIALS ( CIVIL )**

S. No.	Material /Article	Confirming IS Code	Manufacturers/ Agencies/ Brand make
1	Cement (OPC 43 grade)/PPC	IS 8112:1989/ IS 1489 ( Part-1) 2015	A.C.C., Jaypee Cement, Ultratech, Shri Cement, Gujrat Ambuja Cement and cement Corporation of india., Dalmia InfraPro ( Dalmia Bharat Cement)
2	Ready Mix Concrete	-	Ultra Tech (Ultra Tech Cement Ltd.), ACC (ACC Cements Ltd), RMC (India), RMC (India) Pvt. Ltd.
3	AAC Blocks	-	Xtralite (Ultra Tech Cement Ltd), Areocon (HIL), Nucon (Green Way building materials India Pvt. Ltd.), Magicrete (Magicrete Precast), NCL
4	Structural Steel	IS 2062:2011	SAIL, TISCO, RINL, JSW Steel Ltd, JINDAL
5	Stainless Steel	-	JINDAL SS Ltd ( JSL), Salem (SAIL), SAIL (SAIL)
6	Corrugated GI Sheets	IS 277:2003	TATA, SAIL, JSW, JSPL , BHUSAN
7	Colour coated profile sheet	-	TATA, JINDAL
8	Aluminium extruded sections	IS 733:1983 & IS 1285:2002	Jindal, Hindalco, Indian Aluminium Co. NALCO
9	Aluminium plain sheets	IS 733:1983 & IS 1285:2002	Jindal, Hindalco, Indian Aluminium Co. NALCO
10	Factory made Machine pressed laminated flush door shutter	IS 2202 (Part 1) : 1999 and relevant IS code	Century, Greenply, Kitply, Duroply, Merino.
11	Block Board	IS 1659:2004	Century, Greenply, Kitply, Duroply, Merino.
12	Flush door shutter	IS 2202 (Part 1) : 1999	Greenply, Century, Kitply, Duroply Merino,
13	Boiling Water proof plywood, Block board, Commercial plywood	IS 303:1989	Greenply, Century, Kitply, Duroply Merino,
14	Aluminium door & window fittings	Relevant IS Code	Jyoti, Argent, Everest
15	PVC rigid foam sheet	-	Rajshri or equivalent
16	Hydraulic Floor Spring	IS 6315:1992	Dorma, Hardwin, Ozone, Dorset
17	Door Closure	IS : 3564	Dorma, Hardwin, Ozone, Dorset
18	Float Glass		Saint Gobain (Saint Gobain India Pvt. Ltd.), Modiguard (Gujarat Guardian Ltd.), Asahi (Asahi India Glass Ltd.)
19	SWR uPVC pipe & fitting	IS 4985:2000 & IS 14233:1999	Supreme, Finolex, Prince, Astral, Prakash, Ashirwad
20	CPVC Pipe & fittings	IS 16088: 2012,IS 15778:2007	Supreme, Finolex, Prince, Astral, Prakash, Ashirwad,
21	Ceramic glazed wall tiles	IS 13712:1993	Kajaria, Orientbell, Somany, NITCO, HR Johnson.
22	Vitrified Tiles	IS: 15622: 2006	Kajaria, Orientbell, Somany, NITCO, HR Johnson.
23	Bitumen VG-30, VG-10 etc.	IS:73:2013	As per particular specification of IOCL, BPCL, HPCL.
24	Admixtures	IS: 9103:1999	FOSROC, SIKKA, CICO Technologies Ltd., Pidilite
25	Mild Steel Tubes	IS: 1239:1990	As per IS Code
26	1st quality acrylic distemper (Ready mix)		Bison (Lewis Berger), Beauty (NEROLAC), Tractor Uno (Asian Paints)

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S. No.	Material /Article	Confirming IS Code	Manufacturers/ Agencies/ Brand make
27	Premium Acrylic smooth exterior Paint with silicon additives		ULTIMA (Asian paint), Premium Exterior Emulsion (Dulux), Weather coat long life 7 (Berger)
28	Paints	IS:101:1986	Lewis Berger, Asian Paints, Nerolac, Dulux
29	Steel/Wood Primer paints	IS:14177:1994	Lewis Berger, Asian Paints, Nerolac, Dulux
30	Factory made C.C. Interlocking Paver Blocks	IS: 15658:2006	NITCO, KK, NTC
31	Bitumen 85/25	IS:702:1988	HPCI, IOCL
32	Water Proofing Compound	IS:2645:2003	FOSROC, Dr. FIXIT, BASF, CICO, SIKKA
33	Crystalline Waterproofing Compound	IS 2645:2003	FOSROC, Dr. FIXIT, BASF. SIKA
34	G. I. Pipes	IS:1239	TATA, Jindal Hissar
35	PVC Water Storage Tanks	IS: 12701:1996	Sintex, Plasto
36	P.T.M.T. Accessories	IS:9763	Prayag, Prakash
37	Mirror		Saint Gobain (Saint Gobain India Pvt. Ltd.), Modiguard (Gujarat Guardian Ltd.), Asahi (Asahi India Glass Ltd.), Atul (Autl Glass Industries Ltd.)
38	Stainless Steel Sink	IS: 13983:1994	Hindware, NIRALI, CERA, JAYNA
39	Sanitaryware/ Chinaware	As per IS Code	Cera, Parryware, Hindware, Jaquar
40	C.P. Fittings and accessories for bathroom / toilets	IS:7784:1993	Jaquar, Gem, Parko, Hindware, Cera, Parryware
41	RCC Pipes	Confirming to IS Specification	Indian Hume Pipes (Indian Hume Pipe Ltd.), Jain & Co (Jain spun pipes Co)
42	SFRC Cover and grating	IS 12592(2002)	KK (KK Manhole and gratings Co Pvt Ltd.)
43	CI Manhole cover	IS 1726 (1991 )	RPFM (M/s Raj Pattern Makers & founders Pvt. Ltd.), BIC (Bengal iron corporation), Neco (Jayaswal Neco Ltd)
44	Foot Rest (for manhole)		KGM (KGM Exports), Accurate Buildcon (AccurateBuildconcompany),Neco (Jayaswal Neco Ltd)
45	Water stops		Hydrotite (Sika India), Dr. Fixit (Pidilite industries), Ferrous Crete (Ferrous Crete ( India ) Pvt Ltd.)
46	Aluminium doors/windows sections	IS 733 & IS 1285	Hindalco (Hindalco Industries Ltd.), Jindal (jindal Aluminium Ltd.)
47	Glass Reinforced Concrete (GRC) Jali		Terrafirma (Terrafirma GRC Industries), Ecovision (Ecovision Industries Pvt Ltd.), Mahesh GRC (Mahesh Prefab Pvt Ltd.)
48	SS Doors & Windows Hardware & Fittings.		JINDAL, Dorma, KICH, Godrej, Ozone
49	Wall Putty		Dalmia, JK , Birla, Asian

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**LIST OF PREFERRED MAKE OF MATERIALS ( ELECTRICAL)**

S. No.	Material /Article	Manufacturers/ Agencies/ Brand make
1	Engine	Ashok Leyland /Cummins/ Cater pillar /KOEL Mahindra & Mahindra /Escorts
2	Alternator	Kirloskar/KEL/Crompton Greaves (AL. series) / KEC / Stamford
3	Battery (Lead Acid /Mntc. Free)	Amara Raja / Exide/Crompton Greaves/Prestolite/Pace Setter/Standard/
4	HV Switchgear	Crompton / Kirloskar /Volta/ C & S Electric
5	LT Switchgear	L&T/ Schneider Electric / Siemens//Legrand/Havells
6	Vaccum Circuit Breaker	GE/Siemens/ C & S Electric
7	Transformer (Oil filled / Dry type)	ABB / Crompton Greaves / /Kirloskar /Siemens/ Alstom/Uttam
8	HT Panels	ABB/Siemens/L&T/Schneider/Kirloskar
9	Air Circuit Breaker	L&T/ Schneider Electric / Siemens/Havells
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/ Havells/ Legrand
13	Power Contactors	L&T/ Schneider Electric / Siemens/BCH/GE/ Power Controls
14	Change Over Switch	L & T/ HPL / Havells / Standard/Control & Switch gears
15	Air Brake 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	GI/MS Pipe ( ISI Marked)	ATC / ATL / BST / GSI / ITC / ITS / IIA /JST / Jindal /TTA / Tata/Zenith
21	APFC Relay	L&T/ Schneider Electric / Neptune Ducati/Syntron/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/Vaishno/Seizer/rass control
25	Indicating Lamp (LED Type) and Push But	Vaishno/Siemens/L&T/AE/IMP/Rass
26	Power Capacitors (MPP/APP)	Khatau/Junkar/L&T/EPCOS(Siemens)/ABB/Crompton/Schneider Electric/Neptune Ducati
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 / MDS Legrand/ L&T / Schneider Electric/Siemens / Polycab/ C&S/ (makes of DBs and circuit breakers shall be same)
33	TPN Switches & HRC Fuses	Crompton / Havells / MDS Legrand/ L&T / Schneider Electric/Siemens / Polycab/ C&S/ (makes of DBs and circuit breakers shall be same)
34	PVC Conduits (ISI Marked) Colour : Ivory/Grey	AKG/Polycab/Avon Plast/Precision

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35	Steel Conduits (ISI Marked)	BEC/Bharat/Gupta/AKG/RMCON/Steel Krafcs
36	Piano/Modular Switches and Sockets	Legrand/Havells/Polycab/ Schneider/Anchor
37	Cable Tray	MEM/Bharti/Ratan/Slotco/Profab
38	Cable Glands	MCI, Comet/Jainson/Dowells
39	Thimbles/Lugs	Jainson/Dowells/Ascon
40	1.1 KV/11KV grade Al. Condr., XLPE insulated armoured cables ( ISI Marked)	Finolex/Havells/Polycab//KEI
41	Fire Survival cable	Finolex/Havells/Polycab//KEI
42	Wires (PVC insulated copper conductor cable FRLS - ISI marked)/Telephone Cables / Submersible cables/Co-axial/TV cables	Finolex/Havells/Polycab//KEI
43	Fans and Exhaust fans ( All Types)	Khaitan/Havells/Crompton/Orient/Bajaj/Usha/Polycab
44	LED Luminaries i/c street light fittings ( ISI Marked)	Khaitan/Havells/Crompton/Orient/Bajaj/Usha/Polycab
45	LAN Cables	Panduit/Legrand/Schneider//Polycab
46	Centrifugal Pump	BE Power / Beacon /Crompton / Kirloskar / KSB
47	Submersible Pump	BE Power / Beacon /Crompton / Kirloskar / KSB
48	Motors	Crompton Greaves /Schneider Electric / Kirloskar/ Siemens
49	Motor Starter	L&T/Siemens/BCH/GE Power Control/Schneider Electric
50	Fresh Air Fans	Khaitan/Havells/Crompton/Orient/Bajaj/Usha/Polycab
51	Single Phase Preventer/Overload Unit	L&T / Minilec / Siemens
52	Timers	L&T / Minilec / Siemens /AE
53	Gate Valve/Foot Valve/NRV/Butter Fly Valve	Advance/Audco/Johnson Controls/Zoloto/Annapurna / Fountain /Kirloskar / Leader / Sant / Trishul/Kartar/Inter Valve
54	Single/Double Headed GM Landing Valve	New Age (Mumbai)/Safex/Ceasefire/Padmini/Life guard
55	Hydrant Valve	New Age (Mumbai)/Safex/Ceasefire/Kalpana/L&T valves Ltd./Life guard
56	Sprinkler/ Hose Reel & Hose Pipe (ISI Marked)	Safex/Agni/Newage/Ceasefire/Life Guard/Omex
57	Fire Extinguisher ( ISI Marked)	Minimax/Lifeguard/Safeguard/Safex/Omex
58	Water Purifier	Eureka Forbes/Kent/Ion Exchange/LG
59	Inverter System	Sukam/Microtek/Luminous
60	Electrical Water Storage Heater	Racold/Crompton/Havells/Bajaj/Polycab

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