LIST OF APPROVED MAKES OF MATERIALS

A. +INDICATIVE LIST OF MAKES OF MATERIALS – CIVIL WORKS

Sr. No.	DESCRIPTTION	MAKES
1	CHEMICAL USED FOR ANTI TERMITE TREATMENT A) CHLORPYRIPH`OS 20% EC	NOCIL (DURSBAN TC) LUPIN (CLASSIC 20) MONTARI INDUSTRIES (PYRAMID) CYNAMID (DURAMET), PEST CONTROL INDIA LTD, PEST CON INDIA, PEST CONTROL INCORPORATED
2	WATER PROOFING COMPOUND AS ADMIXTURES IN CONCRETE	M. C. BAUCHMIE, STRUCTURAL WATER PROOFING CO., ACC, SUNANDA, PIDILITE,FOSROC CHEMICALS,CHOKSEY CHEMICALS, SIKA(INDIA), STP,PENATRON
3	BITUMEN	INDIAN OIL, HINDUSTAN PETROLEUM, BHARAT PETROLEUM
4	PVC STRIPS, PVC NOSING, PVC WATER STOPS, PVC HAND RAIL	FIXOPAN ENGINEERS, CALIPLAST, WAVIN, FIXOPAN OR APPROVED EQUIV
5	ORDINARY PORTLAND CEMENT (AS PER IS:269)	AS PER APPROVED CEMENT LIST
6	WHITE PORTLAND CEMENT	BIRLA WHITE, JK WHITE,NIHON WHITE
7	REINFORCEMENT BARS (may be procured either from main producer directly or through the authorised dealers who can produce mtc from main producer with tracebility)	TATA, SAIL, RASTRIYA ISPAT NIGAM Other vendor as mentioned in POWERGRID COMPENDIUM OF VENDORS AT POWERGRID WEBSITE.
8	DISTEMPER (DRY/OIL BOUND) WATER PROOFING PAINT	NEROLAC, BERGER PAINTS, AKZONOBEL INDIA (ICI), ASIAN PAINT
9	SYNTHETIC ENAMEL PAINT/ACRYLIC EMULSION	NEROLAC, BERGER PAINTS, AKZONOBEL INDIA (ICI), ASIAN PAINT, SUNANDA SPECIALTY COATINGS, JOHNSON & NICHOLSON
10	EPOXY PAINT	FOSROC, APURVA BUILDCARE, MC BAUCHEMIE
11	CERAMIC TILES & VITRIFIED TILES	JOHNSON, KAJARIA, ORIENT, SOMANI,
12	EXPANSION BOLT	HILTI, FISHNER
13	GLAZING SEALANT	DOW CORNING, GE SEALANT, WACKER
14	COMMERCIAL BOARD/ PLYBOARD/ FLUSH DOOR	JWALA, DUROPLY, CENTURY, NATIONAL BOARD, ALPRO, GREENPLY, ARIN, DUROCENTURY,NATIONAL, KITPLY, DURIAN
15	SHEET GLASS, FLOAT GLASS, MIRROR GLASS	MODI GUARD, ASAHI, TATA, ST GOBAIN
16	RCC HUME PIPE	INDIAN HUME PIPE, JAIN HUME PIPE, HINDUTAN PIPES

LIST OF APPROVED MAKES OF MATERIALS

17	WELDING ELECTRODE	ADVANI OERLINKON
18	WELDED MESH	SHAKTI WELD MESH, IRC, MULTIWELD WIRE CO.
19	PUTTY	SHALIMAR, ASIAN PAINT, SNOWCEM INDIA LTD., BERGER PAINTS, JK WALL PUTTY
20	STAINLESS STEEL	SALEM STAINLESS STEEL (SAIL), JINDAL OR AS APPROVED BY ENGINEER-IN CHARGE
21	ROLLING SHUTTERS	DIANA, RAMA, SARTAJ AS APPROVED BY ENGINEER-IN CHARGE
22	SILICONE	NISIWA, COATSIL, PERMACOTE
23	WATER PROOF CEMENT PAINT	ASIAN PAINT, SNOWCEM INDIA, BERGER PAINT, AKZONOBEL INDIA (ICI), NEROLAC
24	IMPREGNATED FIBRE BOARD	SHALITEX BY SHALIMAR TAR PRODUCTS
25	UPVC & OTHER PVC PIPES AND FITTINGS, PVC FITTINGS	SUPREME, AJAY, PRINCE, PRAYAG, FINOLEX ASTRAL OR EQUIVALENT ISI MAKE
26	MILD STEEL PIPES, PLATES, CHEQUERED PLATE, BEAMS, STRIPS ETC.	TISCO, SAIL, RASHTRIYA ISPAT, ASTL
27	NON-METALIC MINERAL BASED FLOOR HARDENER	MC BRAUCHMIE, FOSROC, SUNANDA CHEMICALS, PIDILITE
28	POLYSULPHIDE SEALANT FOR EXPANSION JOINTS AND WATER PROOFING	CHOCKSEYCHEMICALS, STRUCTURAL WATERPROOFING CO., SHALIMAR PRODUCTS, SUNANDA SPECIALTY COATINGS PVTD LTD
29	POLYMER MODIFIED CONCRETE	MS BRAUCHEMIE, FOSROC, PIDILITE, STRUCO, ACC, SUNANDA SPECIALTY COATINGS LTD
30	DOOR SENSORS	DORMA, GODREJ, HCL
31	LIFT	OTIS, SCHINDLER, KONE, MITSUBUSHI, THYSSENKRUPP ELEVATOR
32	CONNOR MEMA SPORTS FLOORING	FREE WILL INFRASTRUCTURE PVT. LTD, PUNE
33	TERAFLEX 5MM/7MM THICK SPORTS FLOORING	UNIFLEX SPORTS FLOORING, UNITED BOGER & BENTA SPORTS FLOORING
34	CREATION CLIC FLOORING	TERAFLEX SPORTS FLOORING
35	STRUCTURAL/ NON STRUCTURAL GLASS	SAINT GOBAIN, GLAVERBELL, PILKINGTON, ASAHI INDIA, LONGLASST
36	PAVER BLOCKS & PAVER TILES	DURACRETE, EUROCON, JOHNSON, HINDUSTAN TILES
37	PATCH FITTINGS	DORMA, HETTICH, KITCH, GODREJ, OZONE, HAFELE
38	TEAK WOOD	NAGPUR, GHANA
39	VENEERS	DURO, ARIN, GREEN PLY
40	LAMINATES	MERINO, FORMICA, DURIAN,SAMRAT MICA,GREENLAM, HERITAGE
41	ADHESIVE FOR WOOD WORK	FEVICOL, VAMICOL
42	GYPSUM BOARD	GYPSUM INDIA LIMITED
43	ALUMINIUM EXTRUSIONS	JINDAL, HINDALCO, NARMADA, BHARUKA, INDAL, MAHAVIR
44	GLASS WOOL TILES	DECOPHON, ECHOPHON
45	TEXTURE PAINT	HERITAGE, ACRO, UNILITE

46	TILES ADESIVE/GROUT	Dr. Fixit, PIDILITE, LATECREAT, FERROUS, BAL ENDURA
47	POLISH	ICI, ASIAN, BERGER
48	ALUMINIUM SECTION	HINDALCO, JINDAL
49	BLINDS	TRAC, VISTA, HUNTERDOUGLAS
50	GLASS MOSIAC TILE	PILLADIO, BIZASA
51	PLASTER OF PARIS	JK LAKSHMI,SAKRANI
52	Upvc Doors & Windows	FENESTA, KABSWIN, GREENWIN, EUROPVC,USHAWIN, REHAU WINDOW

B. INDICATIVE LIST OF MAKES OF MATERIALS:-PUBLIC HEALTH WORKS:

Sr. No.	DESCRIPTTION	MAKES
1	CENTRIFUGAL CAST (SPUN) IRON S&S FITTINGS	NECO, RIF,
2	G.I. PIPES / M.S. PIPES	GUJARAT TUBES, TATA, SURYA, JINDAL, ITC, PRAKASH, RAVINDRA
3	G.I. FITTINGS BRAND (MALLEABLE CAST IRON)	KENT, UNIK, ZOLOTO OR EQUIVALENT ISI MAKE
4	GUN METALS/BALL VALVES (FULL WAY, NON-RETURN AND GLOBE VALVES)	ZOLOTO, LEADER, AUDCO
5	BALL VALVES	ZOLOTO, LEADER, AUDCO
6	STOP COCK	ZOLOTO, LEADER, PARKO, JAQUAR
7	STAINLESS STEEL SINK	NEELKANT, SALEM STEEL, AMC, NIRALI, JAYNA, KINGSTON
8	PVC FLUSHING	HINDUSTAN, CERA
9	STONEWARE PIPES & GULLY TRAP	PERFECT, BURN
10	RCC PIPES	HINDUSTAN PREFAB, INDIAN, HUMEPIPES, JAIN
11	C.I. MANHOLE COVERS AND FRAMES C.I. GRATINGS	NECO, RIF
12	SLUICE VALVE	, KARTAR, KALPANA, GEETA, KIRLOSKAR
13	BUTTERFLY VALVE	IVC, GEETA, KIRLOSKAR
15	SENSORS	JAQUAR, AOS, HINDWARE, PARRYWARE
16	HAND DRYER	KIMBERLY CLARK, ASKON, AOS, KOPAL, ATMAS, UTEC SYSTEM, TOSHI
17	CENTRIFUGAL & SUBMERSIBLE PUMPS	KIRLOSKAR, CUMMINS, CGL, KSB
18	VITREOUS CHINA SANITARY WARE	HINDUSTAN SANITARY WARE, CERA, PARYWARE
19	WC CONNECTORS	MULTIKWIK (UK), SUPREME
20	SHOWER TRAY	WOVEN GOLD, EUROSPA, AQUABATCH
21	CP BRASS FITTINGS AND TOILET ACCESSORIES	GEM, LAURET, AQUA PLUS, JAQUAR
22	ANGLE VALVE WITH FILTER	ARCO, AQUA PLUS, PARKO, SEIKO

23	C.P. GRATING FOR FLOOR TRAP	SEIKO, COBRA, NEALKANTH
24	PIPE CLAMPS	CHILLY OR EQUIVALENT ISI MAKE
25	PRESSURE REDUCING VALVE	LEADER, ZOLOTO, RBM
26	T/Y STRAINER	LEADER, ZOLOTO, ADVANCE
27	CPVC PIPE FITTING	FINOLEX,SUPREME,ASTRAL,PRINCE
28	SWR PIPE FITTINGS	FINOLEX,SUPREME,ASTRAL,PRINCE
29	Bottle Trap/Towel Ring/ Towel Rack/ Soap Dish/Health Faucet/ Two Way Bibcock/ Jali/ Toilet Paper Holder/Soap Dispenser/ Coat Hooks	SS/CP FITTINGS: JAQUAR, KOHLER, ROCA, MARK, GROHE, CERA,DURAVIT OR AS APPROVED BY ENGINEER IN CHARGE PTMT FITTINGS: PRAYAG.POLYTUF, SHAKTIBATH OR AS APPROVED BY ENGINEER IN CHARGE

INDICATIVE LIST OF MAKES OF MATERIALS –ELECTRICAL AND OTHER WORKS

Sr. No.	DESCRIPTTION	MAKES
1.	LOW TENSION, XLPE ARMOURED, 1.1 KV GRADE, ALUMINIUM/, COPPER CONDUCTOR CABLES, TYPE A2XFY/YRY	KEI / GEMSCAB / CORDS CABLE INDUSTRIES LTD / KEC International Ltd / VIKAS CABLE COMPANY/ Ravin Cables Ltd / Polycab/ Special Cables Pvt Ltd/ Havells / Suyog
2.	LOW TENSION, TPN SFU WITH HRC FUSES, 415 VOLTS, AC, 3 PHASE, 50 HZ.	ABB/ GE POWER, SIEMENS, L&T
3.	LOW TENSION, TP, MOULDED CASE CIRCUIT BREAKER, 415 VOLTS AC, 3 PHASE 50 HZ., 50 KA-STR. MICROPROCESSOR /THERMAL RELEASE	GE POWER CONTROLS INDIA PRIVATE LIMITED / ABB LIMITED / CROMPTON GREAVES LIMITED / M&G / KM / LARSEN & TOUBRO(L&T) / C&S ELECTRIC LTD / BCH ELECTRIC LIMITED / ERA ELECTRICALS PVT LTD / AREVA T&D INDIA LIMITED / SPACEAGE SWITCHGEARS LIMITED / Havells India Limited
4.	LOW TENSION, DRY TYPE CAPACITORS, 440 VOLTS, 50 HZ 3 PHASE WITH APFC PANEL	POWER MATRIX, VISA, L&T, POWERTECH, SIEMENS, CROMPTON KHATAU
5.	INDICATING LAMPS HOLDERS WITH LED TYPE LAMPS	GE / VAISHNO / TEKNIC / VENSON ELECTRIC PRIVATE LIMITED / LARSEN & TOUBRO(L&T) / GROUPE SCHNEIDER / C&S ELECTRIC LTD / SPRECHER & SCHUH (S&S) / SRI TULSI SWITCHGEAR / SIEMENS / EAO / ESSEN DIENKI/ (Indicating lamp)
6.	SELECTOR SWITCHES FOR AMMETER/VOLTMETER	GE/ KAYCEE/ RECOM/ SWITRON/ SALZER CONTROLS,
7.	LOAD MANAGERS, DIGITAL TYPE AMMETERS, VOLTMETERS, PF METERS, FREQUENCY METERS.	MERIN GERIN, ENERCON, TRINITY / CONSERVE, L&T, AUTOMATIC ELECTRIC, RISHABH, DUCATI BHARAT ELECTRONICS & ELECTRICALS/ NIPPEN

LIST OF APPROVED MAKES OF MATERIALS

		ELECTRICAL INSTRUMENTS CO/ NIPPEN ELECTRICAL INSTRUMENTS CO (Indicating meter)
8.	DIGITAL ENERGY METERS	MERLIN GERIN, L&T, HAVELL'S, SECURE, BENTEC
9.	MICRO PROCESSOR RELAYS	ABB, SEGC, SIEMENS, L&T
10.	PANEL WIRES, GRAY/BLACK COLOUR IN 660/1100 VOLTS. GRADE (FR).	RR KABEL, POLYCAB, FINOLEX, HENSEL
11.	CABLE GLANDS - SINGLE COMPRESSION TYPE	STANDARD METAL INDUSTRIES/ CENTRAL HARDWARE/ SUNIL & COMPANY/ COMET BRASS PRODUCTS (COMET BRAND)/ COMET INDUSTRIES (BRAND COSMOS)/ Hex Cable Accessories Pvt Limited
12.	LUGS, CRIMPING TYPE, TINNED COPPER HEAVY DUTY ONLY	DOWEL'S
13.	HRC CONTROL FUSES WITH BAKELITE / TYPE MOULDED FUSE HOLDERS	GE, SIEMENS, L&T
14.	PUSH BUTTON STATIONS TYPE, IN DIFFERENT COLOUR CODES.	VAISHNO/ TEKNIK/ SIEMENS/ LARSEN & TOUBRO(L&T)/ VENSON ELECTRIC PRIVATE LIMITED/ BCH/ CONCORD/ ESSEN DIENKI
15.	TERMINAL BLOCKS, PUSH ON TYPE	CONNECTWELL/ PHOENIX CONTACT (INDIA) PRIVATE LIMITED/ ESSEN DIENKI
16.	MS FABRICATED PANELS	ANAND CONTROL GEAR, RISHA CONTROL, BDE SWITCHGEAR, VIDHUT CONTROL, TRICOLITE
17.	STARTERS, CONTACTOR, TIMERS	MERLIN GERIN, SIEMENS
18.	MINIATURE CIRCUIT BREAKER OF 10 KA BREAKING CAPACITY AND BOARDS	STANDARD ELECTRICALS LIMITED/ SCHNEIDER ELECTRIC INDIA PRIVATE LIMITED/ LEGRAND (INDIA) PRIVATE LIMITED/ INDO KOPP/ CROMPTON GREAVES LIMITED/ M&G/ MERLIN GERIN (MGE)/ ABB LIMITED/ MERLIN GERIN (MGE)/ SPRECHER & SCHUH (S&S)/ MDS/ C&S ELECTRIC LTD
19.	CTS 1100 VOLTS GRADE CAST RESIN ONLY	AUTOMATIC ELECTRIC KAPPA/RECO
20.	AUTOMATIC POWER FACTOR PANEL MICROPROCESSOR BASED WITH 3 PHASE CT SENSING	POWERMATRIX, VISAPOWERTECH, L&T, GE POWER
21.	LOAD MANAGER WITH RS 485 PORT & SOFTWARE	MERLIN GERIN, ENERCON, CONSERVE
22.	ALL LIGHT FITTINGS	CROMPTON GREAVES LIMITED/ PHILIPS INDIA LIMITED/ PHILIPS INDIA LIMITED/ APEX LUMINAIRES (P) LIMITED/ Crompton Greaves Consumer Electricals Limited/ /CGL/HAVELS/PHILIPS/INSTA POWER/BAJAJ
23.	GI CONDUITS	MANUFACTURER HAVING VALID BIS LICENCE/ BEC LIMITED/ JHAVERI INDUSTRIES/ KK INDUSTRIES
24.	GI CONDUIT ACCESSORIES	VIMCO/P&I
25.	FR WIRES IN 660/1100 VOLTS GRADE FOR POINT WIRING.	RR KABLE, FINOLEX, POLYCAB, SKY LINE

LIST OF APPROVED MAKES OF MATERIALS

26.	SINGLE POLE SWITCHES AND SOCKETS 6/16 AMPS. MODULAR TYPE	CRABTREE, MDS- LEGRAND, MK, SCHNIDER, ANCHOR, ROMA
27.	CEILING FAN	CROMPTON, USHA, ORIENT, BAJAJ, HAVELLS, GE, PHILLIPS
28.	EXHAUST/ / AXIAL FLOW/VENTILATION FAN	CROMPTON, USHA, GE ALSTOM, G.E, CROMPTON GREAVES, BAJAJ
29.	LAMPS, TUBES	PHILIPS, OSRAM, CROMPTON, HAVELLS, INSTA, CGL, BAJAJ
30.	TELEPHONE SOCKETS	D-LINK, AMP, SYSTMEX
31.	DATA CABLES, CAT-6	D-LINK, AMP, SYSTMEX
32.	COMPUTER DATA SOCKETS AND RELATED HARDWARE. CABLES (TELEPHONES)	D-LINK, AMP, SYSTMEX
33.	ELECTRONIC REGULATING BALLAST FOR LIGHT FITTINGS	WIPRO, PHILIPS, ATCO, CROMPTON
34.	TELEPHONE TAG BLOCK	KRONE
35.	SPEAKERS FOR PUBLIC ADDRESS SYSTEM	BOSCH, AHUJA, BOSE
36.	AMPLIFIERS	ATIS, BOSCH, AHUJA
37.	3 CD/DVD PLAYERS	SONY, PHILIPS, TECHNIC, PANASONIC, SAMSUNG
38.	MICROPHONES	ATIS, AUDIO, TECHNICA, AHUJA
39.	CRCA SHEETS FOR PANELS/ BUS DUCT/RISING MAINS	JINDAL, TATA, RAYMOND
40.	PAINTS & PRIMERS	ASIAN, DUCO
41.	INDUSTRIAL PLUGS & SOCKETS	LEGRAND, SIEMENS, MERIN GERIN
42.	NI-CD BATTERY	EXIDE, HBL
43.	WOOD SCREWS	NITTLE FOLD, HILTI, FISCHER
44.	CABLE TRAYS, JUNCTION BOXES, RACEWAYS & PERFORATED TRAYS	PROFAB, RICO, INDIA TECH, METALAM
45.	RIGID PVC PIPES WALL THICKNESS AND ACCESSORIES	PERCISION, SUPREME, DIAMOND
46.	11 KV VCB PANELS	CROMPTON, MELIN GERIN, GE, ABB
47.	11 KV, 1600 KVA DRY TYPE TRANSFORMER COMPACT SUBSTATION	CG, ABB, SIEMENS, SCHNEIDER, AREVA
48.	HT CABLES	UNIVERSAL, HAVELLS, POLYCAB, FINOLEX
49.	HT TERMINATION KITS	M-SEAL
50.	FIRE ALARM SYSTEM	SECUTRON, NOTIFIER, GE, MORLEY
51.	WATER LEAK DETECTION SYSTEM	STAR ELECTRONICS, EMNET, SONTEY
52.	RODENT REPELLENT	MESER ELECTRONICS
53.	HIGH SENSIVITY DETECTION SYSTEM	VESDA, ICAM, VISTA
54.	LIGHTING CONTROL	GODREJ, PHILLIPS CLIPCEL, ATCO, LUTRON, WIPRO
55.	D.G. SET	KIRLOSKAR, CUMINS, CATTER PILLER
56.	FIRE DETECTORS MODULE	SIEMENS, NOTIFIER, ESSAR, HONEYWELL, CEASEFIRE
57.	PVC CONDUIT	BEC/AKG /PRECISION
58.	FLEXIBLE CONDUIT	HENSEL/LEGRAND/TRINITY TOUCH/LAPP

59.	TELEPHONE CABLE	DELTON/SKY LINE/ VINAY/ FINOLEX/SKY TONE
60.	MCB ISOLATOR, RCCB, ELCB (OF ALL RATINGS)	L&T /HAVELLS /SCHNIDER/ANCHOR
61.	LIGHTFIXTURES/FITTINGS	PHILIPS /CGL/ HAVELLS/HAVELLS/BAJAJ
62.	TV COAXIAL CABLE	DELTON/SKY LINE/NATIONAL/ SHYAM/ ANCHOR
63.	MCCB	L&T/HAVELLS/SCHNIDER
64.	MCB DISTRIBUTION BOARD	L&T / HAVELLS/SCHNIDER
65.	CONTROL & INSTRUMENTATION CABLE	DELTON / SKYLINE / NATIONAL/ GRI NDLAY/ LAPP / ANCHOR
66.	ACCESS SYSTEM	SIEMENS OR EQUIV
67.	PA SYSTEM	JBC, PHILIPS, BOSS, AHUJA
68.	AUDIO/VIDEO SYSTEM	PHILIPS, PANASONIC, SONY, LG, SAMSUNG
69.	CABLE	HAVELLS/FENOLEX/ANCHOR

GENERAL NOTES:

1. **ALL MATERIALS & ITEMS SHALL COMPLY WITH THE RELEVANT BIS CODES AND SHALL BE BIS MARKED WHEREVER APPLICABLE.**

2. **THE CONTRACTOR SHALL PRODUCE THE SAMPLES FOR MATERIALS AND ITEMS BEFORE PROCUREMENT OF THE SAME FOR APPROVAL OF THE ENGINEER-IN-CHARGE.**

3. **THE ITEMS WHICH ARE AVAILABLE IN POWERGRID "COMPENDIUM OF VENDORS", SHALL BE SOURCED FROM POWERGRID APPROVED MANUFACTURERS. FOR ITEMS WHICH ARE NOT AVAILABLE IN THE "COMPENDIUM OF VENDORS", THE DECISION OF PROJECT MANAGER/SITE-IN-CHARGE SHALL BE FINAL.**

4. **THE MAKES ARE ONLY INDICATIVE FOR REFERENCE PURPOSE. THE VENDOR SHALL SUBMIT THE LIST OF OFFERED MAKE ALONGWITH THE PROPOSAL.**