

**Appendix 'C'****APPROVED LIST OF PRODUCTS AND MAKES/BRANDS/MANUFACTURERS**

Items		Make/Brand/Manufacturers
1	2	3
<b>E/M ITEMS</b>		
<b>Water Supply &amp; Plumbing</b>		
<b>CI Pipe and fittings</b>	1	Electro-Steel
	2	Kejriwal
	3	NECO
	4	Kesoram
<b>GI Pipes &amp; Fittings</b>	1	Tata
	2	Jindal
<b>DI Pipes &amp; Fittings</b>	1	Jindal Ltd, Gujrat
	2	Electrosteel Castings Ltd, W.B.
	3	Tata Metalinks, Kolkata
	4	SAW pipes
	5	Srikalahasthi Pipes Ltd
<b>MS Pipes &amp; Fittings</b>	1	Tata
	2	Jindal
<b>HDPE Pipes &amp; Fittings</b>	1	Finolex
	2	PRINCE (Corefit)
	3	Supreme
	4	JAIN IRRIGATION SYSTEM
<b>CPVC pipes and fittings (Chlorinated polyvinyl chloride)</b>	1	FINOLEX
	2	Dutron
	3	SFMC
	4	Birla Aerocon
<b>PVC - Soil, waste, rainwater (SWR) &amp; Drainage pipes</b>	1	Supreme
	2	PRINCE (Ultrafit)
	3	Kisan
	4	Finolex
<b>PPR Pipes &amp; Fittings</b>	1	PRINCE (Greenfit)
	2	Finolex
	3	Supreme
	4	SFMC
<b>PVC Pipes &amp; Fittings</b>	1	PRINCE (Aquafit)
	2	Finolex
	3	Supreme
	4	HIL Limited (Birla Aircon)
<b>UPVC Pipes &amp; Fittings</b>	1	PRINCE (Aquafit)
	2	Finolex
	3	Supreme

**Appendix 'C'**

	4	HIL Limited (Birla Aircon)
<b>UPVC Pipes &amp; Fittings for SWR</b>	1	PRINCE
	2	Finolex
	3	Supreme
	4	HIL Limited (Birla Aircon)
<b>Polyethylene/Aluminium/Polyethylene Composite Pressure Pipe</b>	1	PRINCE
	2	Finolex
	3	Supreme
<b>Plastic Pipe (for non pressure Drainage &amp; Sewarage)</b>	1	PRINCE (Foamfit)
	2	Finolex
	3	Supreme
<b>CI - Soil, waste, rainwater (SWR) &amp; Drainage pipes</b>	1	NECO, Nagpur
	2	SKF (Singhal Iron Foundry, Mathura)
<b>AC - Soil, waste, rainwater (SWR) &amp; Drainage pipes</b>	1	M/S Everest Asbestos Hyderabad
	2	Vishakha Ind Ltd
	3	M/S Hyderabad Asbestos Cement (Charminar)
	4	M/S Ramco
<b>RCC pipes, drain pipes</b>	1	Thuluvananikal Pipes
	2	Everest
	3	Himalaya
	4	Indian Hume Pipes
<b>Air Release Valves</b>	1	Leader
	2	BIR
	3	Kirloskar
	4	Sant
	5	Upadhyay
	6	L & T
<b>Foot Valves</b>	1	Upadhyay
	2	Leader
	3	Kirloskar
	4	Sant
<b>Reflex Valves</b>	1	Kirloskar
	2	Leader
	3	Sant
	4	Upadhyay
	5	L & T
<b>Sluice valves</b>	1	Leader
	2	Kirloskar
	3	Upadhyay
	4	L&T
	Page 49	Zoloto

**Appendix 'C'**

	6	Bir
<b>Butterfly Valves/ Disc Valves</b>	1	Leader
	2	Upadhyay
	3	Sant
	4	L&T
	5	Kirloskar
	6	Zoloto
<b>Gate valves</b>	1	Leader
	2	Zoloto
	3	Sant
<b>Water Meter</b>	1	Capstan
	2	Dashmesh
	3	Kaycee
	4	Capital
	5	Anand Asahi
	6	Kirloskar
<b>Centrifugal Pump/ Monoblock Pump</b>	1	Kirloskar
	2	Beacon
	3	Crompton Greaves
	4	KSB
	5	Wilo Mather & Platt
	6	Jyoti
	7	V-Guard
	8	CRI
<b>Submersible Pump/ Open Well Pumps</b>	1	Kirloskar
	2	KSB
	3	Jyoti
	4	Wilo Mather & Platt
	5	V-Guard
	6	CRI
<b>Vertical Turbine Pumps</b>	1	Kirloskar
	2	KSB
	3	Wilo Mather & Platt
	4	Jyoti
<b>Non Clog Sewage Submersible Pumps</b>	1	KSB
	2	Kirloskar
	3	Wilo Mather & Platt
<b>Pumps for Fire Fighting</b>	1	Kirloskar
	2	Wilo Mather & Platt
	3	Crompton
	4	Bharat Bijlle
<b>Pole - Pre-stressed concrete</b>	1	M/S Cement Fabric India, Jodhpur

**Appendix 'C'**

	2	M/S Hindustan Prestressed Concrete, Faridabad
	3	M/S Indian PCC Poles
	4	M/S Concrete Udyog Jhansi
	5	M/S Sankla Udyog, Jhansi
<b>Pole - Steel tubular</b>	1	India Tube and Co
	2	India Electric Poles Mfg Co, Maharashtra
	3	Bombay Tubes
	4	The National Tubing Company, Kanpur
	5	Kalinga Tubes
	6	Singh Profile, Pune
<b>Insulators HT / LT Disc/ Pin / Shackel / loop / String Type</b>	1	BHEL
	2	Jayshree
	3	WS Insulators
	4	Southern Insulators
	5	MEI
	6	Mordern Insulators
<b>Air Circuit Breaker (ACB) LT 1100 Volts</b>	1	Larsen &Tubro
	2	Siemens
	3	ABB
	4	Schneider
	5	Crompton Greaves
	6	GEC
	7	English Electric
	8	Havells
<b>Vacuum Circuit Breaker (VCB) suitable for 36 KV, 22 KV and 12 KV system including accessories</b>	1	SIEMENS
	2	Crompton Greeves, Mumbai
	3	ABB Ltd, Bangalore
	4	Alsthom
	5	BHEL
	6	Schneider
	7	Larsen &Tubro
<b>Automatic Power Factor Correction (APFC) Panel</b>	1	Larsen &Tubro
	2	GEC
	3	Siemens
	4	ABB
	5	Epcos
<b>Power Factor Improvement Capacitor Banks</b>	1	Larsen &Tubro
	2	Siemens
	3	EPCOS
	4	GE
	5	ABB
<b>HT Switch Gear 66/33/11KV 3 Phase, Gas Circuit Breaker circuit breaker SF-6 Type</b>	1	Crompton Greeves, Mumbai
	2	ABB Ltd, Bangalore

**Appendix 'C'**

	3	Siemens Ltd, Mumbai
	4	Schneider, New Delhi
<b>HT 11 KV, 3 Ph Automatic Switch Fuse Unit</b>	1	ABB Ltd, Bangalore
	2	Crompton Greeves, Mumbai
	3	Schneider, New Delhi
	4	AREVA T&D India Ltd, Noida
	5	C & S Electric
<b>Air Break Switch Gang Operated (33KV/11 KV)</b>	1	Pactil, Mumbai
	2	Jaipuria Brothers
	3	HEI
<b>Air-break Switch (Isolators)</b>	1	MEI
	2	Southern Switchgear
	3	Andrew Yule
	4	Crompton Greeves
	5	BENLO
<b>Arresters Lightning LT / HT</b>	1	Oblum
	2	BHEL
	3	GEC-ELPRO
	4	Crompton & Greaves
	5	AREVA T&D
<b>Change Over Switch /Starter/ Contactor /DOL/ Star-Delta/ Synchronising Panel/ Single Phase Preventor</b>	1	Havells
	2	Siemens
	3	Larsen & Tubro
	4	ABB
	5	Crompton Greaves
	6	GE
	7	BENLO
<b>Main Switch Iron Clad / Switch Fuse unit</b>	1	Havells
	2	Crompton
	3	L & T
	4	Siemens
<b>Transformers 66/11 KV, 33/11 KV, 33/0.433 KV, 22KV/11KV, 22/0.433 KV Copper Wound all rating</b>	1	Alstom (GEC)
	2	Siemens
	3	Bharat Bijlee Ltd, Mumbai
	4	Crompton Greeves, Mumbai
	5	ABB
	6	Schneider
	7	Kirloskar
	8	EMCO
	9	BHEL
	10	Andrew Yule
	11	Voltamp
<b>Transformers 11 KV/433 V Step Up/ Step Down, Indoor/ Outdoor Type 11KV upto 1000 KVA Capacity</b>	1	Schneider
	2	Crompton

**Appendix 'C'**

<b>Dry Type, Cast Resin</b>	3	Kirloskar
	4	ABB
<b>Transformers 33 KV &amp; 11 KV Current &amp; Potential</b>	1	L & T
	2	Siemens
	3	Schneider
	4	Crompton Greeves, Mumbai
<b>Isolation Transformer</b>	1	VinitekElectronics(Volina)
	2	Power One
	3	Spectron
<b>Transformers 6.6 KV/ 433V, 3 Phase upto and including 100 KVA</b>	1	Indian Transformer, Gurgaon
	2	Voltech
<b>Transformers 11 KV or 6.6 KV/0.433 KV Copper Wound, 500 KVA and Above</b>	1	KIRLOSKAR
	2	Crompton Greaves, Mumbai
	3	ABB
	4	Andrew Yule
	5	Schneider
	6	Bharat Bijlee Ltd, Mumbai
	7	ECE
<b>Transformers 11 KV/0.433 KV Copper Wound, Below 500 KVA</b>	1	Voltamp
	2	M/S Indo Tech Transformers
	3	Alstom (GEC)
	4	ABB
	5	Schneider
	6	Bharat Bijlee
	7	Indian Transformer & Electrical Pvt Ltd (ITE Gurgaon)
	8	Kirloskar
<b>Transformers 11 KV/0.433 KV Copper Wound, 100 KVA and Below</b>	1	PME
	2	Rajasthan Transformer
	3	Everest
	4	RK Industries
	5	Pactil
	6	Kotson
	7	Hi-Tech Industries, Jaybetti
	8	Jaybee Ind
	9	Voltamp
	10	Kirloskar
<b>Cable Jointing Kit for 11 KV/22 KV</b>	1	Raychems
	2	Densons
	3	M-Seal
	4	Birla -3M
<b>UG HT XLPE, PVC Insulated Aluminum Conductor for 3.3/33/22/11 KV System</b>	1	Cable Corporation of India, Mumbai
	2	Havells india Ltd
	3	Universal Cables Ltd

**Appendix 'C'**

	4	Asian Cables (RPG)
	5	Gloster
	6	RPG Cables Ltd , Thane
	7	Finolex
	8	RR Kabel
	9	KEI
	10	Polycab Pvt Ltd
	11	Vishal
<b>UG LT XLPE , PVC Insulated Aluminum Conductor for 1100 Volts</b>	1	Cable Corporation of India, Mumbai
	2	Asian Cable Co, Chattisgarh
	3	Finolex Cable Ltd, Pune
	4	Polycab
	5	Gloster
	6	Universal
	7	RPG Cables Ltd , Thane
	8	Havells India Ltd
	9	RR Kabel
	10	KEI Industries Ltd(KEI)
<b>Aluminum Conductor Steel Reinforced (ACSR)</b>	1	All-Ind
	2	ICC
	3	Bharat Conductors
	4	NICCO
	5	Indian Aluminum Co
<b>Street Light fittings</b>	1	Bajaj
	2	Phillips
	3	Wipro
	4	Crompton
	5	GE
	6	Havells
	7	Luker
	8	Jaquar
	9	BENLO
	10	EVEREADY
	11	ORIENT Electric
	12	POLYCAB
	13	SURYA Roshni
	14	Pyrotech
	15	Halonix
	16	FIEM
	17	SYSKA
	18	Shakti
<b>Solar Street light Fitting</b>	1	Phillips
	2	BHEL
	3	Tata
	4	Bajaj
	5	Havells

**Appendix 'C'**

<b>High Mast light</b>	1	Bajaj
	2	Phillips
	3	Crompton
<b>Fluorescent tube light fittings/Lamp Holder</b>	1	Wipro
	2	Bajaj
	3	Crompton
	4	Phillips
	5	Havells
	6	Shakti
<b>Flame Proof Light Fittings (LED/ FAN/ WELLGLASS/ BULKHEAD including accessories</b>	1	M/S Sudhir
	2	M/S Baliga
	3	Flexpro Electricals, Nasik
	4	M/S Shyam Switchgears, Mumbai
	5	Bajaj
	6	Crompton
<b>Florescent lamp Lt lamp</b>	1	Phillips
	2	Wipro
	3	Bajaj
	4	Crompton
	5	Osram
	6	Havells
	7	GE- Lighting
<b>Light fittings LED</b>	1	Phillips
	2	GE
	3	Osram
	4	Wipro
	5	Bajaj
	6	Havells
	7	Luker
	8	Jaquar
	9	BENLO
	10	EVEREADY
	11	ORIENT Electric
	12	POLYCAB
	13	SURYA Roshni
	14	Pyrotech
	15	Halonix
	16	Crompton
	17	FIEM
	18	SYSKA
	19	Shakti
<b>LED Tube Lights/Bulbs</b>	1	Phillips
	2	Havells
	3	Osram
	4	Wipro
	5	Bajaj
	6	GE



**Appendix 'C'**

	7	Luker
	8	Jaquar
	9	BENLO
	10	EVEREADY
	11	ORIENT Electric
	12	POLYCAB
	13	SURYA Roshni
	14	Pyrotech
	15	Halonix
	16	FIEM
	17	SYSKA
<b>Electronic / Photoelectric Switch for Auto Op of Street Lights</b>	1	Larsen & Tubro
	2	GE
	3	Siemens
	4	Bajaj
	5	Legrand
<b>DBs/MCB(Miniature Circuit Breakers &amp; MCCB(Moulded Case Circuit Breakers)</b>	1	Larsen & Tubro
	2	ABB
	3	Siemens
	4	Schneider
	5	Havells
	6	Legrand
	7	Indo ASIAN
	8	C & S Electric
	9	BENLO
<b>Microprocessor based MCCB/ RCCB LT 415 Volts</b>	1	Larsen & Tubro
	2	ABB
	3	Legrand
	4	Siemens
	5	Schneider
	6	Indo Asian
	7	BENLO
<b>Electrical Panel (HT)</b>	1	Larsen & Tubro
	2	Legrand
	3	Standard
<b>Electric Accessories, Piano Switches, Ceiling rose, call bells, Buzzers, Lamp Holders/ Socket Outlet etc , Plug &amp; Socket Board</b>	1	Anchor
	2	Crabtree
	3	Leader
	4	Legrand
	5	Havells
<b>Ammeter / Voltmeter / Power Factor / frequency Meters</b>	1	IMP
	2	Automatic Electrical(AE)
	3	L&T
	4	Havells
	5	MECO
	6	C & S Electric Ltd
<b>Digital Meters with built in selector switches for</b>	Page 56	Larsen & Tubro (L&T)

**Appendix 'C'**

<b>Voltmeter, Ammeter, Frequency Meter, Energy/KWH Meter, Power Analyser</b>	2	Automatic Electrical (AE)
	3	Havells
	4	Enercon
	5	Secure Meter
<b>Modular Switches/ Sockets</b>	1	Anchor Roma
	2	Legrand
	3	Crabtree
	4	Havells
	5	Indo Asian
	6	Polycab
	7	Larsen &Tubro
	8	Panasonic Anchor
<b>Electronic Energy Meters, Tamper Proof, Smart Meter</b>	1	Larsen &Tubro
	2	Japuria Meters
	3	Havells
	4	Secure Meters
	5	Elmeasure
	6	BENLO
<b>SCADA System</b>	1	Schneider
	2	Elmeasure
	3	Forbesmarshall
<b>Ceiling Fan</b>	1	Bajaj
	2	Crompton
	3	Polar
	4	Khaitan
	5	Orient
	6	Havells
	7	V-Guard
	8	Polycab
<b>Exhaust fan/ Air Circulators</b>	1	Crompton
	2	Khaitan
	3	Usha
	4	Bajaj
	5	Almonard
	6	Havells
	8	Polycab
<b>Fan Regulator</b>	1	Anchor
	2	Havells
	3	Bajaj
	4	Usha
	5	Khaitan
	6	GEC
	7	Legrand
<b>Electronic Type Fan Regulator</b>	1	Legrand
	2	Crompton
	3	Havells

**Appendix 'C'**

	4	Bajaj
	5	Orient
	6	V-Guard
	7	Polycab
<b>Geyser</b>	1	Bajaj
	2	Racold
	3	Usha
	4	Venus
	5	Jaquar
	6	V-Guard
	7	Havells
<b>PVC insulated Copper/Aluminum Cables 1100 Volts of all types</b>	1	Havells
	2	Finolex
	3	Nicco
	4	Plaza
	5	Anchor
	6	Polycab
	7	RPG
	8	GLOSTER
	9	RR Kabel
	10	KEI
<b>PVC conduits (Rigid or Flexible)/ FRLS Rigid PVC Conduits/ Fittings</b>	1	Anchor
	2	Modi
	3	Presfit
	4	Precision
	5	Astral
	6	Panasonic Anchor
	7	Polycab
<b>MS conduit</b>	1	BEC Industries
	2	Kalinga
	3	Jindal
	4	Bharat
	5	AKG
<b>Casing capping &amp; Accessories</b>	1	Precision
	2	Modi
	3	Presto Plast
	4	Supreme
	5	Polycab
	6	Plaza
	8	Pressfit
<b>Indicating Lamps Neon / LED Type</b>	1	Larsen & Tubro
	2	Siemens
	3	ABB
	4	Schneider
	5	Japuria

**Appendix 'C'**

	6	EPCOS
<b>LT Relay Numerical, Static</b>	1	Siemens
	2	ABB
	3	Larsen & Tubro
	4	Schneider
	5	Japuria
	6	EPCOS
<b>UPS</b>	1	Tata-Liebert
	2	APLAB
	3	Luminous
	4	Sukam
	5	Protect services
	6	Microtech
	7	Labotech
	8	Power Conservation Tech
	9	Sintrac
	10	Liveline
	11	Power One
<b>Automatic Voltage Stabilizer (servo controlled)</b>	1	Automatic Electrical (AE)
	2	Vinitec
	3	APLAB
	4	V Guard
	5	Vintek Electronics (Volina)
<b>DG Set (Engine)</b>	1	Kirloskar
	2	Cummins
	3	Greaves -Cotton
	4	Ashok Layland
	5	CaterPillar
	6	Sterling
<b>DG Set (Alternator)</b>	1	Kirloskar
	2	Stamford
	3	Jyoti
	4	Crompton Greaves
	5	Alstom
	6	Areva
	7	Bharat Bijlee
<b>DG Set Assembled Sound Proof Canopy</b>	1	Kirloskar
	2	Jackson
	3	Sudhir
	4	Greaves- Cotton
	5	Cummins India
<b>Induction Motors</b>	1	Crompton Greaves
	2	Kirloskar Electric
	3	Bharat Bijlee
	4	Simens

**Appendix 'C'**

	5	NGEF
	6	ABB
<b>Gang operated devices (GOD)</b>	1	Pactil (Metro)
	2	Jaipuria
	3	Atlas
	4	ECE
	5	AREVA
<b>Precast Concrete Cable Cover</b>	1	Mehtab
	2	Patel Furniture Mart
	3	Lucky Cement Block Works (Lc)
	4	Sukhi Enterprises
	5	ISI marked make as approved by GE
<b>Air Handling unit</b>	1	Voltas
	2	Bluestar
	3	National
	4	Zeco
<b>Air Curtains</b>	1	Almonard
	2	Air Con
	3	Crompton Greaves
<b>Cooling towers</b>	1	Paharpur
	2	Mihir
	3	Delta
	4	Advance
<b>Centrifugal Chillers &amp; Screw Chillers</b>	1	Carrier
	2	Voltas
	3	DAIKIN
	4	Hitachi
<b>Window type Air Conditioner</b>	1	Carrier
	2	Voltas
	3	Daikin
	4	Hitachi
<b>Split type Air Conditioner</b>	1	Carrier
	2	Voltas
	3	Daikin
	4	Hitachi
<b>Solar Water heating system</b>	1	Tata-BP Solar System
	2	BHEL
	3	Best & Crompton Noval Energy, New Delhi
<b>Fire Fighting Eqpt like hose reel, nozzles, couplings, valves, etc</b>	1	Ceasefire
	2	Safex

**Appendix 'C'**

- (i) Materials to be incorporated in the work shall be superior/1st quality of the makes given above.
- (ii) Items shall be considered whichever is applicable only.
- (iii) Sources indicated are only for guidance and approval of the Garrison Engineer shall be taken prior to procurement of materials and its incorporation.
- (iv) The tender shall amongst other things also ascertain all information such as royalties, taxes duties and other charges. etc on the materials and no additional payment shall be made on account of the foregoing.
- (v) Sources of materials shall be as above or in the vicinity thereof. The tenderer shall ascertain the actual position / exact location of source before submitting his tender and no additional payment shall be made on account of misunderstanding of its distance from site of works.

**SIGNATURE OF CONTRACTOR**  
**DATED :**

---

**AGE (CONTRACTS)**  
**FOR ACCEPTING OFFICER**