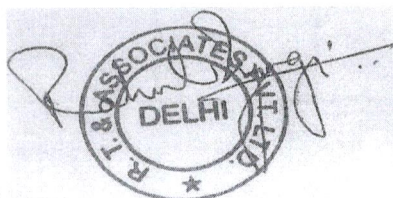
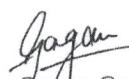


SCHEDULE 'E'

APPROVED MAKES OF MATERIALS FOR CGEWHO'S GREATER NOIDA PHASE-II HOUSING PROJECT AT PLOT NO.7, SECTOR P-4, BUILDERS AREA, GREATER NOIDA, UP

Sr. No.	ITEM	BRANDS SPECIFIED
A	CIVIL	
1	Pre-Laminated Flush Doors	Duro Jayna Jain Doors Pvt. Ltd.
2	Iron Mongery (SS)	Godrej Dorset IPSA
3	Locks	Godrej Dorset
4	Polished Glazed Vitrified Tiles (PGVT)	Kajaria AGL Somany
5	Glazed Tiles	Kajaria Somany AGL
6	Ceramic Tiles	Kajaria Somany AGL
7	Pre laminated Particle Board	Greenlam Novapan Greenpanel
8	Wooden Door Frames/Shutters (2 nd Class teak wood)	Jain doors Pvt. Ltd. Jain Wood Industries Sricon Prefab
9	Water proofing compound	Zypex Vandex Krytone
10	Atactic Polypropylene Polymer	Tiki Tar STP Sika
11	Sealant/ Additive	Asian Paints Fosroc Cico
12	Glass	Modi Guard (Guardian) Saint-Gobain Asahi India
13	Polymers Sealant Concrete Additive	Sika CICO Fosroc
14	PPC Cement	UltraTech Shree Cement Birla Cement Corporation of India Limited Jaypee Cement JK Lakshmi Cement Rockstrong
15	Expanded Poly Strene	BASF Fosroc

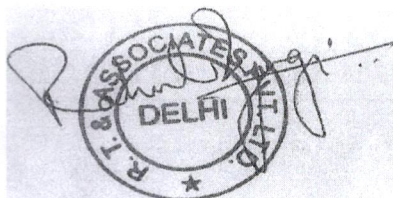



Gagan Gupta
Director (Tech.)
Central Govt. Empls Welfare Hsg. Organisation
Janpath Bhawan, Janpath
New Delhi-110001

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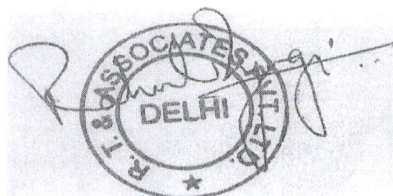
16	Cement (White)	JK Birla
17	Anti-Termite Treatment Agency	M/s Pest Control Co. M/s Pest Control Incorp. M/s Pest (I) Co. M/s Pest Killers
18	Cement Board False Ceiling	Everest Shera Board Unidus
19	Paints	Nerolac ICI Asian Paints Berger
20	Adhesive	Dunlop Fevicol Mowicol
21	Steel Reinforcement	TISCO SAIL RINL JINDAL PANTHER SHYAM STEEL INDUSTRIES JSW
22	Letter Boxes	Global Star Raja Industries Pvt. Ltd.
23	False Ceiling Tiles	Ramco Hilux Aerolite Unidus
24	False Ceiling GI Grid	Unidus Armstrong Aerolite
25	Cement Based Putty	Birla JK
26	SFRC Covers/Kerb Stones/saucer drain	KK Manholes Duratuff
27	Concrete Benches/ RCC Dividers	KK Manholes Surabh Ferro Concrete Private Limited
28	Dash Fastener	Hilti Wurth Fisher
29	POP	Birla White Zypsofine JK Lakshmiplast Ultra Shree
30	Admixture	Fosroc Sika Cico
31	SS Railing Section (Grade-304)	JSL Hindalco Tata
32	Solar Panel/ Solar water heating system	V-guard Havells Luminous
33	Aluminum system Door & Windows	Schueco Reyners Fenesta Aluminium (Alumil)
34	ACP sheet	Alucobond Alstrong Eurobond
35	Ready Mix Concrete (RMC)	UltraTech RMC Readymix (India)

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Gagan
Gagan Gupta
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Central Govt. Emps Welfare Hsg. Organisation
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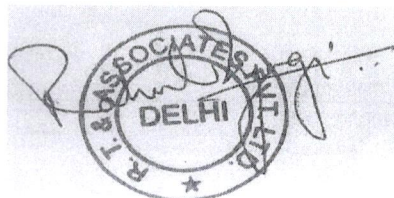
		Prism RMC Pam Readymix Concrete NS Arcus
36	Aluminium Wet Cloth Hanger	Burhani Universal Steel Furniture Dhani Creations
37	Plastic Dust Bin	Supreme Nilkamal
38	20mm Thick Drain Cell with Prefix Geotextile	Ovilite Viredera Textiles Siddhi Rubber
B	SANITARY	
1	Vitreous China Ware/ WC Seat Cover	Hindware Roca Jaquar
2	Stainless Steel Sinks	Prestige Jayna Nirali
3	CP Fittings, Accessories	Jaquar Grohe Roca
4	CP Waste & Flush Pipes	Jaquar Hindware Roca
5	Gun Metal Valves	RB Danfoss Zoloto
6	CPVC Pipes & Fittings	Astral Ashirwad Supreme Finolex
7	MS Pipes	TATA Jindal
8	uPVC Pipes & Fittings	Astral Ashirwad Supreme Finolex
9	SCI Hubless Pipe (IS: 15905)	Neco Saint Gobain (Pam)
10	DI Pipes, fittings	Kesoram Electrosteel Jainsons
11	Pumps	Grundfoss ITT Kirloskar
12	Elec. Switchgear & Starters	Siemens ABB Schneider
13	Floor drain fixture & channel Grating	Neer Chilly Kitch
14	Pipe clamps & supports	Chilly Euro clamp Kitch
15	Butterfly Valve	Audco Kirloskar Zoloto



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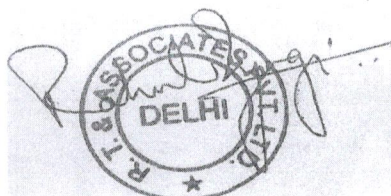
16	Pressure reducing valve	Zoloto Honeywell
17	Gate/ Ball Valves	Zoloto Honeywell RBM
18	Flow Meter	Rockwin Marshal Karanti Fair Flow
19	Level Controller/ Indicator (Water)	Advance automation Diamond
20	Insulation for hot water pipe	Thermoflex Kflex Armacell
21	Submersible/Drainage/Sewerage Pumps	Grundfoss DP Holland ITT Kirloskar
22	HDPE pipe	Kissan Finolex Supreme
23	RCC Pipes (NP2 Class)	Om Spun BHRC Pragati JK Spun
C	ELECTRICAL	
1	MCCB's (Adjustable overload and adjustable short circuit release)	Schneider Siemens ABB Hager
2	Cables	RR Kabel Havells Batra Henley Polycab KEI
3	MCB's, ELCB's, RCBO's & RCCB's	Siemens Legrand Schneider ABB
4	ACB's	Schneider: NW Series Siemens: 3WT Series Mitsubishi: WS Series
5	MCB & DB/ONT	Legrand Schneider ABB Hager
6	Indication Lamps	Schneider Electric Siemens
7	Push Buttons	Schneider Electric Siemens
8	Selector Switches	ABB Kaycee Siemens
9	Electrical Terminals	Elmax Connectwell
10	Meters-Analogue	AE Schneider-Conzerv



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Central Govt. Emps. Welfare Hsg. Organisation
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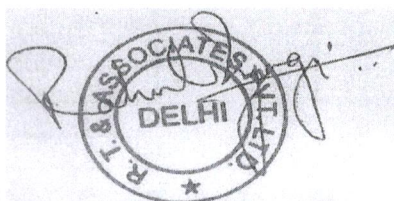
12	Cast Resin Current Transformers	AE Gilberts & Maxwell Matrix
13	Cast Resin PT's for metering in LT Panels	AE Gilberts & Maxwell Matrix
14	FRLS PVC Conduits & Accessories	BEC Polypack AKG Atul Precision
15	Ceiling rose & holder	Kay Khosla MMP Anchor Atul
16	MS / GI Conduits & Accessories	BEC ATUL AKG Polypack
17	Switches & Sockets- Modular type & Industrial Type and G.I Box	WIPRO NORTHWEST PLATIA HAVELLS- CRABTREE-MURANO LEGRAND-MYRIOUS ABB-IVIE SCHINDER-UNICA
18	Lighting Fixtures	HAVELLS POLYCAB BAJAJ PHILIPS
19	Tube Lights & Lamps	Philips Osram Havells
20	Exhaust Fans / Ceiling Fans	Usha Crompton Greaves Havells Polycab
21	1100 V grade ZHLS (Zero Halogen low smoke) ZHLS Polymer insulated, unsheathed, flexible, copper conductor wires	Finolex Havells Batra Hanley RR KABEL Polycab KEI
22	1100 V grade FRLS (Fire Retardant low smoke) HR FRLS PVC insulated unsheathed, flexible, copper conductor wires	Finolex Havells Batra Hanley RR KABEL Polycab KEI
23	1.1kV grade LT XLPE insulated, HR PVC sheathed, stranded Al. / Cu. conductor, Armoured/ Un-armoured cables as per IS:7098 Part-I	Finolex Havells Batra Hanley
24	Cable lugs & thimbles	Dowell Convert Cosmos Commel



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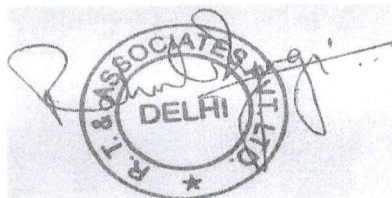
25	TV Co-axial Cable	Finolex Havells Batra Hanley Polycab
26	Jelly Filled Armoured Tele. Cables	Finolex Havells Batra Hanley
28	Exit Signage	Prolite Glolite Cease Fire MK Prestolite
29	Cat-5 / Cat-6 Voice / Data Cables	Batra Hanley AMP Havells Beltron
30	Voice / Data Face Plates	WIPRO NORTHWEST PLATIA HAVELLS- CRABTREE-MURANO LEGRAND-MYRIOUS ABB-IVIE Schneider Unica Beltron
31	Tele Tag Blocks	Krone
32	Switchgear	SCHNEIDER ABB Siemens
33	Final Distribution Boards	SCHNEIDER ABB Siemens
34	Lightning Arrestor System (Control steamer Emission Type)	Erico LPI OBC
35	Maintenance free chemical earthing	Erico JK OBC
36	Fire sealing compound	Hilti Birla-3M Promat
38	UPS	Emerson APC Schneider Eaton Pegasus (AAL)
39	Batteries (Sealed Maintenance Free)	Panasonic Exide Hitachi Amaron
40	Boom Barrier	Gandhi Automation FAAC
41	Copper pipe	Godrej VISIARO
42	Sub Panels	SPC Electrotech Brilltech LS Power Advance Panel



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43	Rising Mains	C&S Siemens ABB L&T Schneider
44	Automation controller for staircase light	Wago Siemens GE
45	Automation sensors for staircase light	Wago Siemens GE
46	Light fixtures (LED dali compatible with blast)	Banbury Energy Wipro K-Lite
47	LMS software for automation of lights	Wago Siemens GE
48	HMI/ Touch screen display	Wago Renu Delta
49	Fire Sealant	Promoseal Birla 3M Hilti
(a)	LOW VOLTAGE & SECURITY SYSTEM:	
	INTELLIGENT FIRE ALARM SYSTEM:	
1	Intelligent fire alarm system	Notifier Honeywell XLS 3000 Siemens Johnson Control (IFC Series)
2	Detectors / Manual call points / Hooters / speakers / control modules / Monitor modules / graphic software etc.	Notifier Honeywell XLS 3000-Eclipse Johnson Control (IFC Series)
3	Response Indicator	Honeywell XLS 3000-Eclipse Anshul Johnson Control (IFC Series)
4	Evacuation PA System	Notifier Honeywell XLS 3000-Eclipse Johnson Control (IFC Series)
5	Twisted FRLS Cu. Conductor Cable/MICC Cable	Finolex Batra Hanley Havells Bonton
6	MS /GI Conduit (Heavy duty)	BEC Steel Craft AKG Precision Atul
(b)	CCTV SYSTEM:	
1	Cameras	PELCO (Schneider) Bosch Honeywell
2	Monitor	PELCO (Schneider) Sony Honeywell
3	DVR	Interlogix

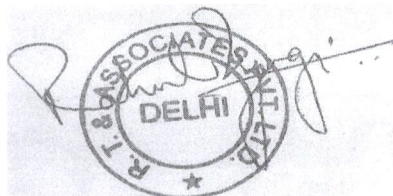


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Central Govt. Emps. Welfare Hsg. Organisation
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		PELCO Honeywell
4	Co- axial / Multi core Cable	Finolex Batra Hanley Havells Polycab
5	FRLS PVC Conduit (heavy duty)	BEC Polypack AKG Atul
D FIRE PROTECTION		
1	Hosepipe of type 63mm dia RRL	Safex Fire Solutions Ltd. Reliance Fire & Safety Ltd. UTC Fire & Safety India Ltd.
2	Hydrant Valves with 63mm dia single outlet	Safex Fire Solutions Ltd. Reliance Fire & Safety Ltd. UTC Fire & Safety India Ltd.
3	Branch pipe with nozzle	Safex Fire Solutions Ltd. Reliance Fire & Safety Ltd. UTC Fire & Safety India Ltd.
4	CI gaze valves class PN 1.0	Leader Sant SKS Zoloto
5	Non-return valve	Kirloskar Leader Sant SKS Zoloto
6	Motor	Kirloskar Siemens Crompton
7	Fire Alarm Panel	Electroequip UEC
8	Hooter	Electroequip UEC
9	Fire extinguishers	Minimax Safe Guard Safex Fire Solutions Ltd. Reliance Fire & Safety Ltd. UTC Fire & Safety India Ltd.
10	Battery	Exide Amaron Hitachi Panasonic
11	Fire Resistance Paint	Viper
12	FHC Door	Tata Parvesh Pacific Nauair Jindal Udyog Ltd.
13	Hose Box	Leader Sant Kompass India FCP India Zoloto
14	Sprinkler	Tyco

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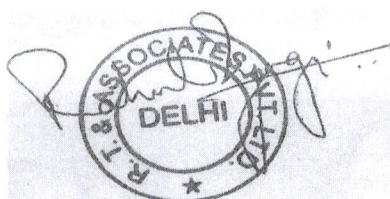
		Newage Ho Viking
15	Hose Reel	Safex Fire Solutions Ltd. Reliance Fire & Safety Ltd. UTC Fire & Safety India Ltd.
E	ELEVATORS	
		OTIS KONE JOHNSON SCHINDLER THYSSENKRUPP
F	MECHANICAL VENTILATION	
		Airovient Fans & Systems Jet Aircon Schneider Electric Blue Star Ltd. Samvardhana Motherson Daikin Air-conditioning India Pvt. Ltd.

NOTES:

1. Above approved makes and accessories are subject to their meeting with the tender specifications & requirements. Contractor however shall seek approval of specific make from CGEWHO/ Architect before commencement of work.
2. For any item not covered in the above list, the contractor shall get the make and sample approved from the CGEWHO/Architect before procurement. The final choice of make to be used in the work will rest with the CGEWHO/Architect and the decision of CGEWHO/Architect shall be final and binding on the contractor in this respect.
3. The samples of material shall either get tested or have to be approved from the CGEWHO/Architect.
4. For material, where no make/brand has been mentioned, in that case, ISI marked samples shall be submitted by the contractor for approval of CGEWHO/Architect.
5. For those classes of materials, where no firm exists with ISI approval, samples of first quality material of the firm shall be submitted for the approval of the CGEWHO/Architect
6. Contractor will be responsible to ensure the quality of products listed in approved list of makes/brands. Contractor will have to replace the defective and substandard materials at his own cost.

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Jagan
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Director (Tech.)
Central Govt. Emply Welfare Hsg. Organisation
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