



इंजीनियरिंग प्रोजेक्ट्स (इंडिया) लि.  
(भारत सरकार का उद्यम)

**ENGINEERING PROJECTS (INDIA ) LTD.**  
(A *Government of India Enterprise*)  
AN ISO 9001 & ISO 14001 COMPANY

## **TENDER DOCUMENT**

FOR

Construction of Compressor House (size 20m X 12m X 5m) & Dismantling and disposal of existing sub-station, township structures and other serviceable materials etc. from ALIMCO Campus (Approximate Distance from ALIMCO Campus is within 3 KM radius) at ALIMCO Production Centre, Kanpur (UP).

## **VOLUME – II**

ADDITIONAL CONDITIONS OF CONTRACT, TECHNICAL SPECIFICATIONS, TENDER DRAWINGS, PREFERRED MAKE LIST

EXECUTING AGENCY

**ENGINEERING PROJECTS (INDIA) LIMITED**  
(A GOVT. OF INDIA ENTERPRISE)  
Core-3, Scope Complex,  
7,Lodhi Road, New Delhi-110003  
TEL NO: 011-24361666, FAX NO. 011- 24363426

- iii) Reduce the cost for pumping of ground water.
- iii) Provides high quality water, soft and low in minerals.
- iv) Improves the quality of ground water through dilution when recharged to ground water.
- v) Reduces soil erosion in urban areas.
- vi) The roof top rain water harvesting is less expensive.
- vii) Rain Water harvesting system is simple which can be adopted by individuals.
- viii) An ideal solution of water problem in areas having inadequate water resources.
- ix) Reduces the runoff which chokes the storm water drains.

#### **8.6 Method of Rain Water Harvesting:**

8.6.1 The method of rain water harvesting are of two types. One by storage of rain water on surface for future use. Second by recharging to ground water.

8.6.2 The storage of rain water on surface is a traditional technique and structures used were underground tanks, ponds, check dams, weirs etc. and recharge to ground water is a new concept of rain water harvesting and name of few of them are recharge pits, trenches, dug wells, hand pumps, recharge wells, recharge shafts, lateral shaft and borewells shaft with borewells etc.

#### **A. LIST OF PREFERRED MAKES: CIVIL**

1	Antitermite	Chlorpyriphos, Lindane emulsifiable concentrate of 20%, Permethrin, Cypermethrine, Fenvalerate.
2	Pre-Laminated Particle Board	Century, GreenPly, Marino, Durian
3	Pre-Laminated Ply Board	Century, GreenPly, Marino, Durian
4	Mineral Polymer Composite Jali	Ecoste, Alstone, Unistone
5	Toughened Glass & Patch Fittings	Saint Gobain, Dorma, Geze, Ozone.
6	Cement	Ultratech, Birla, ACC, RAMCO, Ambuja, Shree, Devbhumi, Khyber, India Cements, Chetinad, Dalmia, Barak Valley, Cement Corporation of India Limited, Meghalaya Cement Ltd, Grasim Cement Lafarge Cement, Century Cement, Cement Manufacturing Co. Ltd., Holcim(Bangladesh)
7	Structural Steel	TISCO, SAIL, JSW, VIZAG, Devbhumi, Kamdhenu, Kashmir Steel Rolling Mill, JISCO, IISCO, Jyoti,

## ALIMCO Compressor House, Dismantling and Disposal of serviceable materials at KANPUR (UP)

		Amber
8	MS Tubular Sections	TISCO , SAIL , VIZAG , JINDAL , Rathi , Prakash , Ravindra
9	Reinforcement Steel	TATA , SAIL , VIZAG, Kamdhenu, Rathi , Jyoti , Devbhumi , Amber , Barnala , Kashmir Steel Rolling Mill ,Jindal or equivalent
10	Glazed tiles	H & R Johnson , Kajaria , Somany , Naveen , Bell, Asian
11	Ceramic tiles floor finish for Building	Kajaria, Nitco , Regency , Somany , Naveen , Bell, Asian, Rak
12	Ceramic tiles for toilet flooring	Kajaria, Nitco , Regency , Somany , Naveen , Bell, Asian, Rak
13	Vitrified Tiles	H & R Johnson , Kajaria , Somany , Naveen , Bell,Nitco, Asian, Rak
14	Flush doors	India Plywood Mfg. Co., Kutty flush doors, Diamond, Lakshmi. (Exterior grade only) , Syntex , Kit Ply,Alpro Panel
15	Plywood	National , Kitply , Greenply , Anchor , Sitaboard , India Plywood Mfg. Co.
16	Water proofing compounds	Fosroc , Multi Plas , Cico , Impermo , Acco – Proof
17	Acrylic Emulsion Paints & Distempers	Jenson & Nicholson paints , I.C.I , Shalimar , Berger , Asian paints , Goodlas Nerolac
18	Water proof cement paints	Snowcem plus , Surfacem , Nitcocem , Nitcole , Birla Plus , Cico Cem
19	Glazing , Glass	Indo-Asahi , Modi Float , Saint Gobain
20	Aluminium doors, windows, partition etc	INDALCO, ZINDAL, Ajit India ,Alumilite, Nalco, Hindalco
21	Hardware	Shalimar , Garnish , Navbharat, Vision, Amarbhoy , Dossaji, EBCO,HETTICH, HAFFELE
22	Stainless Steel Railing	Dorma, Kitch, Jinadal Arch, Ozone.
23	Textured Paint	Spectrum , Coral , Berger

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24	Wooden Flooring	Power Floor, Kronotek, Span, Floor Master, Pergo
25	Plaster of Paris	Shriram, JK, Aerostone
26	Cement White	Birla White, JK White , Shriram
27	Hardware	EBCO, HETTICH, HAFFELE
28	Locks	Dorset with separate keyhole ring, Golden, Kitch

Note:- List of preferred make and indicative make. Bidder is free to propose any other equivalent make meeting the entire Technical requirement & specifications along with required details in support of the same. The same would be analyzed and accepted if found as suitable and shall be used in works after obtaining the prior approval of engineer- Incharge as EPI

### **B. LIST OF PREFERRED MAKES: ELECTRICAL**

29	ACB with short ckt , over load , Earth fault with time lag facility	L&T (U-Power), MG (Masterpact),Siemens(3WL),ABB (E-MAX )
30	ACB with short ckt , over load , Earth fault with time lag facility	L&T(C Power),Merlin Gerin (Enerpact),ABB (E MAX with PR III),Siemens (3-WL)
31	MCCB with short ckt , over load, Earth fault with time lag facility	L&T (DSine),MG (compact),Siemens(Sentron-3VL),ABB (ISO MAX , TMAX )
32	MCB	Legrand,Hagger,MG,ABB
33	ELCB	Legrand , Hagger, MG,ABB
34	LT Cables	Skytone,Havells,Proflex
35	LT Cable (Control)	Skytone,Havells,Proflex
36	PVC Insulated Cu wires (FRLS)	Polypack ,Skytone,Havells,Proflex
37	Cable Gland Double Compression	Stripwel,Comet,Baliga
38	PVC Rigid Conduits	AKG,BEC,Polypack,SG
39	MS Conduits	AKG,BEC,NIC
40	Switches, Sockets, Plugs etc.	Crabtree,Clipsal Oval,Legrand Mosaic,SG Controls , Philcon
41	Industrial Socket in Steel Enclosure	Clipsal,MDS,SG Controls
42	Ceiling Rose	Anchor,Lisa , HPL
43	Telephone Cable, Telephone Outlets	Skytone,Gloster,Finolex
44	Tagblock with boxes	Krone Type , Havells , Orient
45	Luminaires	Philips,Syska (SSK), Osram,Bajaj
46	HT Cables	Gloster,Skytone,Havell's
47	HT Termination kit	Raychem,M-Seal,Birla3M,Denson
48	Cable Tray, Wire ways	Needo,Ricco,Pilco

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49	Instrument Cable	Lapp Kabel,Nicco,Skytone
50	Lugs	Dowell's, HAX , Ajay Electric , A. N. Electricals
51	Termination Control Cable	Elemex,Wega,Phonex, Belden, Reliance, Nicco, Paramount, Cords Cable, Pirelli or equivalent approved by OTPC
52	DB's	Legrand,Hager,MG,ABB
53	Rubber Mats	Jyoti , Unknown , Insol
54	Lightning Arrestor	Indlec,Unex,Jaipuria,Jaishree
55	Digital Meter	Enercon,Ducati,Secure
56	Bus Bar Aluminium	Jindal,Indalco,Century
57	Bus Bar Copper	Sterlite , Link Electricals (India) , Bharat Metals
58	Bus Duct (Air Insulated type)	System & Power Control,Jackson,Havell's
59	Circuit Breaker	ABB, Areva,Crompton Greaves Ltd.,Kirloskar Electric Co. Ltd.,Siemens Ltd.
60	Elevators	Kone, Otis, Thyssenkrupp, Schlinder, Johnson Lifts, ECE

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### C. LIST OF PREFERRED MAKES: PLUMBING & FIRE FIGHTING

61	Wash Basin	Hindware,Neycer Sheraton,Oval,Parry Noble,Cera, Kohler
62	Wash Basin Fixture	Hindware,Neycer Sheraton,Oval,Parry Noble,Cera, Kohler
63	Three Hole Basin Mixer With Pop-Up	Jaquar Continental, Range , Gem
64	Bottle Trap	Jaquar Continental Range, Gem
65	Waste Coupling	Jaquar Continental Range, Gem
66	Angle Valve With Wall Flange	Jaquar Continental Range, Gem, Arco
67	Water Closet	Hindware, Neycer Futura With Cistern , Cera With Cistern
68	Head Shower With Arm	Jaquar, Gem , Hindware
69	Soap Dish	Jaquar, Gem, Hindware
70	Robe Hook	Jaquar , Gem, Hindware

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71	Towel Rack	Jaquar , Gem, Hindware
72	Kitchen Sink Mixture	Jaquar , Gem, Hindware
73	C.P. Braass Bib Tap	Jaquar , Gem , Hindware
74	Towel Rail	Jaquar , Gem , Hindware
75	Towel Ring	Jaquar , Gem , Hindware
76	Curtain Rod	Jaquar , Gem , Hindware
77	Bottle Opener	Jaquar , Gem , Hindware
78	Pressure Type Liquid Soap Container	Bobrick , Prestige , Redcroc
79	No Touch Hand Drier	Kopal,Euronics, Gem,Toshi
80	C.P. Pipes 375 Mm Long	Ajay, Flowguard , Arestell
81	Flush Valve For Urinal	Robo Flush,Jaquar , Euronics
82	Kitchen Sink	Star Flow, Jayana , KAFF
83	Mirror	Modi Float Glass , Glass Bulletin , K.K Polymer
84	CPVC Pipes	Ajay Flowguard, Arestell
85	CPVC Fittings	Ajay Flowguard, Arestell
86	Ball Valves	Zoloto, C&R, Fouress, KBL, R&D multiples, BDK, L&T, Akay industries, Cresent Valves Mfg., AV Valves, KSB , Leader valves, Fischer Sanmar Ltd., Valtech
87	Butterfly Valves	Zoloto, KSB, C&R, Fouress, KBL, R&D multiples, BDK, L&T, Advance valves, Tyco, Fluidline Valves
88	Non Return Valves	Zoloto, C&R, Fouress, KBL, R&D multiples, BDK, L&T, A.V.Valves, Cresent Valves, Federal Hardware Engg., Fluidline Valves , Venus Pumps, Valtech Leader Valves,
89	Water Flow Meters	Copstion, Kranti , Malhar
90	Globe Valves	Zoloto, Leader, Fouress, KBL, R&D multiples, BDK, L&T, Valtech, A.V.Valves, Weir, Babcock Borsig, Crescent Valves, Federal Hardware, Fluidline, Steelstrong, Petrol Valves, KSB, Audco
100	Sanitaryware	Hindustan, Parryware , Cera
101	Seat Cover	Commander (Heavy Duty) Zoyo Cera , PARRYWARE , EUROPEAN SEAT
102	C.P. Fittings	Gem , Jaquar , Euronics
103	Plastic Water Tanks	Sintex , Polycon , Renu
104	Stainless Steel Sink	Neelkanth, Amc , Kaff

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105	CI Pipes,Fittings & Manhole	Nicco , Sudi Group , JK
106	CI Pipes	Nicco , Sudi Group , JK
107	RCC Pipes	Anand, Local ISI Marked
108	Stoneware Pipes,Traps	Perfect, Burn, Local ISI Marked
109	PVC Pipes,Fittings	Supreme ,Finolex , Apollo pipes
110	Pump	Grundfos, KSB, Flowmore, WPIL, Mather & Platt, Sulzer, KBL, Jyoti Ltd., Weir , Flowserve, Beacon Weir, Su Motors
111	Pipes	TATA, SAIL, Jindal or equivalent
112	Motor	Bharat Bijlee, ABB, CGL, Siemens, Alstom, Kirlosker Electricor equivalent
113	STP	Thermax, Indian Ion Exchange & Chem Ltd or equivalent

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