



Various Built Environment and electrical installation services for Fibre Processing Centre under the Magra fibre value chain development under ADRRN supported pastoral programme

Request for cost quotation from experienced General Contractors and Electrical Installation Technician/Company for various works at Fibre Processing Centre Cheemana, Rajasthan.

Dated: 14th September 2023

1. Brief Project Overview

Urmul Seemant Samiti is implementing the project - *Pashupalan Suvidha Kendra* for Migrating Pastoralists in Phalodi. It is the second phase of the innovation promotion and research programme supported by ADRRN, Tokyo and STS. In the first phase it was supported by ELHRA UK & STS. The programme focusses on scaling the *Magra* fiber value chain, enhancing the Common Facility Centre being developed in the first phase and promoting the innovation through outreach and policy advocacy.

As part of *Magra* value chain development, Urmul Seemant Samiti aims to undertake several built environment experimental interventions and electrical fitting work at Fibre Processing Centre, Cheemana, Phalodi district, Rajasthan. These built environment interventions are aimed at testing the insulation and acoustics performance of various products developed with the *Magra* fibre.

2. About Urmul Seemant Samiti

www.seemant.org

With the aim to empower village communities towards self-reliance, Urmul Seemant Samiti has been working since 1994 in western Rajasthan to develop a safe and enabling environment for people that ensures that their right to health, education and employment is respected and realized without discrimination and exclusion, with special focus on children and women. Striving for development in the most distant and underdeveloped villages of Bikaner, Jodhpur, and Nagaur district to ensure that people are empowered to decide, design, implement and eventually self-finance the package of development services which are made available to them under different projects. The organisation has been working towards breaking barriers for promoting desert centric social innovations.

3. Scope of Work & Deliverables

Through this RfQ, Urmul Seemant Samiti invites cost quotations for the following two functions.



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1. Civil & Built Environment intervention: Under the programme, Urmul Seemant has developed certain built environment insulation and better acoustics solutions for industrial and green building applications. The same needs to be tested for standardisation and data collection. These products include insulation bats, rolls, insulating plaster etc. All these products are to be test deployed at the Fibre Processing Centre through various civil and wood-work interventions. The details of the same are provided in the annexure I
2. Electrical Fitting: The Fibre Processing Centre has to be electrically equipped to manage various machinery loads. The centre requires electrical wiring as well as setting up of control panel for all the distributed loads. The details of the electrical requirements are provided in the annexure II

4. Preconditions

- a. The General Contractor should have experience of working in Rajasthan and be able to provide services in the Cheemana village in Phalodi district.
- b. Should be able to deploy on-site supervisor to deliver the services qualitatively.
- c. Vendor with capability to deliver both the civil work and electrical shall be preferred.
- d. Should be in a position to deliver all the services by 15th November 2023.
- e. All the payments are linked with the written approval of the Built Environment consultant appointed for this project. Fine details about the implementation shall be provided by the consultant and should be accepted and delivered as per the specifications.
- f. No subcontracting is permissible.

5. RFQ details

1. Quotation submission deadline: **30th September 2023**
2. Online submission is acceptable. Please email your proposals to the mail mentioned below. Hard copy of the proposal may be submitted to the address below, by hand or courier.

6. Principal Point of Contact

Procurement Nodal person; Email: procurement@seemant.org

Urmul Seemant Samiti, Urmul Campus, Near Grid Substation, Bajju village, Bikaner



Annexure I: Built Environment interventions

Snapshots of deliverable as per spaces is as bellows. More specific details of these deliverables are to be referred at this google drive location:

Civil work in Sq Ft for Office and Administration space as per the following:

S. Nos.	Description	Wire Mesh	Lime Ash Plaster	4 mm Aluminium	Magra L1	Cellulose	Magra L1	Panels	Wood Panel - Boards	Kheep Infill**
	Office & Administration Area									
1	Wall 1	✓	✓	✓	✓	✓	✓		✓	✓
2	Wall 2	✓	✓	✓	✓	✓	✓		✓	✓
3	Wall 3	✓	✓	✓	✓	✓	✓		✓	✓
4	Wall 4	✓	✓	✓	✓	✓	✓		✓	✓
1	Wall Slope 1	✓	✓	✓	✓	✓	✓		✓	✓
2	Wall Slope 2	✓	✓	✓	✓	✓	✓		✓	✓
1	Floor	NA	NA	NA	NA	NA	NA		NA	
1	Ceiling Sec 1	✓		✓	✓	✓	✓	✓		
2	Ceiling Sec 2	✓		✓	✓	✓	✓	✓		
	Total Area in Sq. ft	1880	904	1392	1392	1392	1392	488	125	904



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Civil work for Central Meeting hall (First floor), in Sq Ft, as per the details below

S. Nos.	Description	Wire Mesh	Lime Ash Plaster	4 mm Aluminium	Magra L1	Cellulose	Magra L1	Panels	Wood Panel - Boards	Kheep Infill
	Central Meeting Hall									
1	Wall 1	✓	✓	✓	✓	✓	✓		✓	✓
2	Wall 2	✓	✓	✓	✓	✓	✓		✓	✓
3	Wall 3	✓	✓	✓	✓	✓	✓		✓	✓
4	Wall 4	✓	✓	✓	✓	✓	✓		✓	✓
1	Wall Slope 1	✓	✓	✓	✓	✓	✓		✓	✓
2	Wall Slope 2	✓	✓	✓	✓	✓	✓		✓	✓
1	Floor	NA	NA	NA	NA	NA	NA		NA	
1	Ceiling Sec 1	✓		✓	✓	✓	✓	✓		
2	Ceiling Sec 2	✓		✓	✓	✓	✓	✓		
	Total Area in Sq. ft	1831.75	1054	1450.5	1450.5	1450.5	1450.5	396.5	147	1054

Civil work for other areas - residential rooms (First Floor), Sq Ft, as per the details below

S. Nos.	Description	Wire Mesh	Lime Ash Plaster	4 mm Aluminium	Magra L1	Cellulose	Magra L1	Panels	Wood Panel - Boards	Kheep Infill**
	Other Area									
1	Wall 1	✓	✓	✓	✓	✓	✓		✓	✓
2	Wall 2	✓	✓	✓	✓	✓	✓		✓	✓
3	Wall 3	✓	✓	✓	✓	✓	✓		✓	✓
4	Wall 4	✓	✓	✓	✓	✓	✓		✓	✓
1	Wall Slope 1	✓	✓	✓	✓	✓	✓		✓	✓
2	Wall Slope 2	✓	✓	✓	✓	✓	✓		✓	✓
1	Floor	NA	NA	NA	NA	NA	NA		NA	
1	Ceiling Sec 1	✓		✓	✓	✓	✓	✓		
2	Ceiling Sec 2	✓		✓	✓	✓	✓	✓		
	Total Area in Sq. ft	660	408	552	552	552	552	144	408	408

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Annexure II

Details of electrical works to be undertaken. This includes supply of material and execution on site.

S. No	Item	Make	Qty.	UOM
1	Cables			
1	1C 4 SQ MM PVC Cu Flixible	Polycab/Standard	300	Mtrs
2	1C X 2.5 Sqmm Cu PVC (Red)	Polycab/Standard	150	Mtrs
3	1C X 2.5 Sqmm Cu PVC (Yellow)	Polycab/Standard	150	Mtrs
4	1C X 2.5 Sqmm Cu PVC (Blue)	Polycab/Standard	150	Mtrs
5	1C X 2.5 Sqmm Cu PVC (Black)	Polycab/Standard	150	Mtrs
6	1C X 1.5 Sqmm Cu PVC (Red)	Polycab/Standard	600	Mtrs
7	1C X 1.5 Sqmm Cu PVC (Black)	Polycab/Standard	600	Mtrs
8	1C X 1 Sqmm Cu PVC (Red)	Polycab/Standard	600	Mtrs
9	1C X 1 Sqmm Cu PVC (Black)	Polycab/Standard	600	Mtrs
10	1C X 1 Sqmm Cu PVC Multistranded (Green)	Polycab/Standard	200	Mtrs
2	Cabling Accessories			
1	Cable casing and capping 60X40	SGL/Equ.	5	Mtrs
2	Casing 32mm X 16mm X 2m	SGL/Equ.	250	Mtrs
3	PVC Conduit Pipe Hevay 25 MM	SGL/Equ.	75	Nos.
4	PVC Conduit Pipe Hevay 19 MM	SGL/Equ.	40	Nos.
5	25mm Saddle PVC	Standard	6	Nos.
6	Cable tie 300 mm	Standard	1	packets
7	PVC Conduit Band 25mm	Standard	100	Nos.
8	PVC Conduit Band 19 MM	Dowalls	40	Nos.
9	Junction Box Metal 25mm	Standard	75	Nos.
10	Electrical Tape (Red)	Steelgrip	2	Nos.
11	Electrical Tape (Yellow)	Steelgrip	2	Nos.
12	Electrical Tape (Blue)	Steelgrip	2	Nos.
13	Electrical Tape (Black)	Steelgrip	2	Nos.
14	Electrical Tape (Green)	Steelgrip	2	Nos.
3	Earthing			
1	GEL Earth electrode with chemical	Standard	2	Set
2	Earthing pit cover	Standard	2	Nos.
4	Metering and Monitoring			



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1	Main LT Panel 100A	Standard	1	Nos.
5	Fasteners			
1	35X8 Screw (Packet of 100)	Standard	2 Pcs.	Packets
2	Screw Grip 38mm (Packet of 100)	Standard	2	Packets
6	Equipment (Luminaries and Fans) & accessories			
1	MCB Box 12Way Double Door	Schneider/Equ.	2	Nos.
2	6A MCB 1P	Schneider/Equ.	10	Nos.
3	16A MCB 1P	Schneider/Equ.	5	Nos.
4	25A MCB 1P	Schneider/Equ.	6	Nos.
5	32A MCB 1P	Schneider/Equ.	8	Nos.
6	63A MCB 4P	Schneider/Equ.	2	Nos.
7	4 P AC SPD type 2	Phoinex	1	Nos.
8	Switch 6A	Anchor/Equ.	160	Nos.
9	Socket 6A	Anchor/Equ.	100	Nos.
10	Switch 16A	Anchor/Equ.	75	Nos.
11	Socket 16A	Anchor/Equ.	75	Nos.
12	Regulator Switch Type	Anchor/Equ.	30	Nos.
13	Indicator	Anchor/Equ.	20	Nos.
14	Blank Plate	Anchor/Equ.	20	Nos.
15	Sheet Screw 19mm	Standard	100	Nos.
16	2 Moduler Sheet	Anchor/Equ.	3	Nos.
17	3 Moduler Sheet	Anchor/Equ.	25	Nos.
18	4 Moduler Sheet	Anchor/Equ.	14	Nos.
19	6 Moduler Sheet	Anchor/Equ.	25	Nos.
20	8 Moduler Sheet	Anchor/Equ.	6	Nos.
21	2 Moduler Box Metal	Anchor/Equ.	3	Nos.
22	3 Moduler Box Metal	Anchor/Equ.	25	Nos.
23	4 Moduler Box	Anchor/Equ.	14	Nos.
24	6 Moduler Box	Anchor/Equ.	25	Nos.
25	8 Moduler Box	Anchor/Equ.	6	Nos.
26	12 Moduler Box	Anchor/Equ.	4	Nos.
27	Surface Box 3 Modular	Anchor/Equ.	8	Nos.
28	Surface Box 4 Modular	Anchor/Equ.	8	Nos.
29	Surface Box 6 Modular	Anchor/Equ.	8	Nos.
30	Surface Box 8 Modular	Anchor/Equ.	6	Nos.
31	Surface Box 12 Modular	Anchor/Equ.	8	Nos.
32	Round Sheet	Anchor/Equ.	50	Nos.
33	Angle Holder	Anchor/Equ.	90	Nos.

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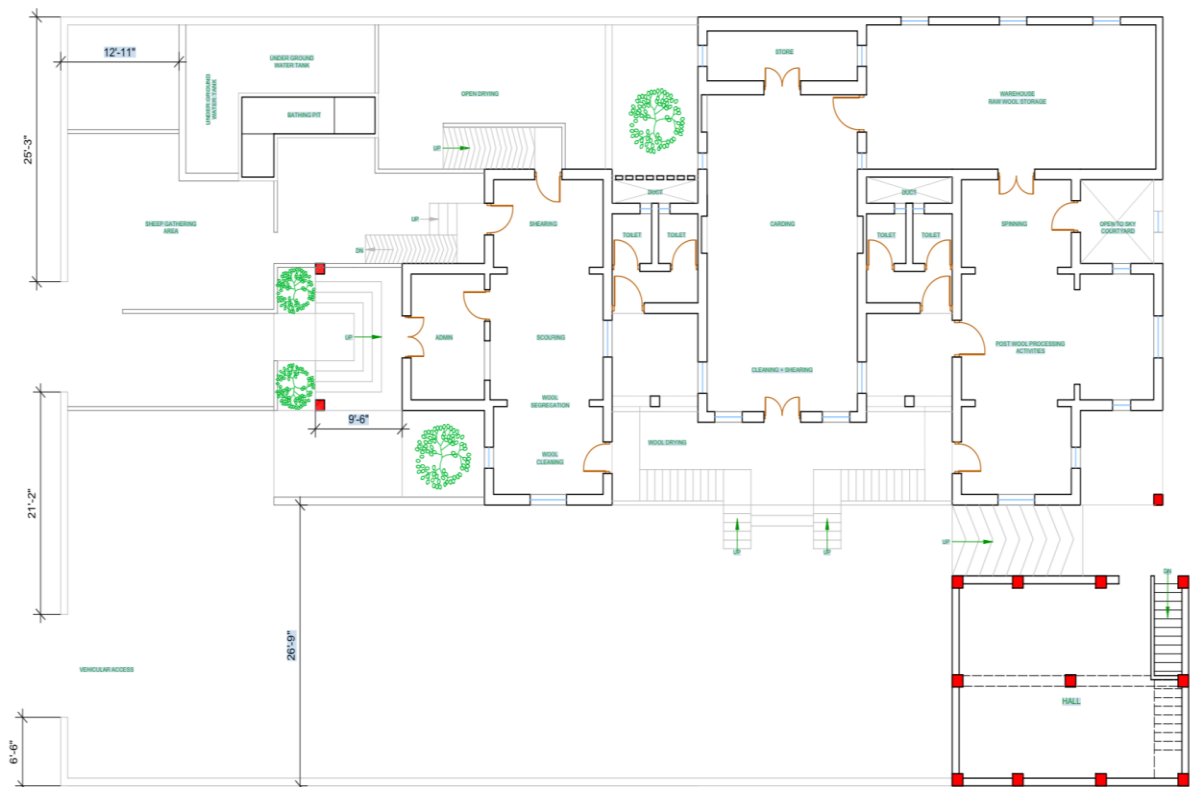


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34	Celling Rose	Anchor/Equ.	40	Nos.
35	Square Box 7x4	Anchor/Equ.	20	Nos.
36	Square Box 4x4	Anchor/Equ.	20	Nos.
37	MCB Blank Plate	Standard	5	Nos.
38	Casing External	Standard	40	
39	Casing Internal	Standard	40	
40	Casing Jointer	Standard	20	Nos.
7	Services			
1	Installation and commissioning		1	Site
2	Transport, Packaging & Miscellaneous		1	Site

Annexure III: General Plan of the site

Ground Floor





First Floor

