



**RAJASTHAN AGRICULTURAL RESEARCH INSTITUTE**  
(S.K.N. AGRICULTURE UNIVERSITY, JOBNER)



**DURGAPURA, JAIPUR**

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No.F. 9 ( ) / SKNAU/DIR-RARI /Accts/2025/

Dated:

112  
सीमित निविदा सूचना

22-4-25

इस संस्थान परिसर में स्थित कीट विज्ञान विभाग के लिए Electricity work & Aluminum Framing in female toilet हेतु इच्छुक अनुभवी फर्म से बंद लिफाफे में सीमित निविदाएँ दिनांक 30.04.2025 समय 11.30 बजे तक आमन्त्रित की जाती है। सीमित निविदाएँ उसी दिन (30.04.2025) दोपहर 12:30 बजे सीमित निविदा कमेटी के द्वारा खोली जावेगी। कार्य की अनुमानित लागत करीबन रु. 199500/- रखी गयी है।

क्र. सं.	Itmes with Specifications	मात्रा	फर्म द्वारा दी गई दर जीएसटी सहित
1.	इस संस्थान परिसर में स्थित कीट विज्ञान विभाग के लिए Electricity work Room No. 36,37,38,39 & Museum (Work detail are enclosed)	As per Attach Document	
2.	इस संस्थान परिसर में स्थित कीट विज्ञान विभाग के लिए Aluminum Gate With Fittings, Door Closures, Floor Spring & 5 mm Glass with approved make including all necessary fitting	105 Sqft.	

1. The quotation must be submitted in properly sealed envelope duly marked quotations for the work.
2. The rates quoted must be at RARI, Durgapura and include of all Taxes.
3. The undersigned is not bound to accept the lowest tender and reject any tender or any part of the tender without assaying any reason therefore.
4. Firms Registered PWD Certificate.
5. Firms should be registered in GST Department.
6. Firms should be submitted their PAN No.

/

**DIRECTOR**

**Copy:-**

1. The Incharge, CIMCA, SKNAU, Jobner
2. The Chairman, tender committee, RARI, Durgapura, Jaipur.
3. The Tap committee Members, RARI, Durgapura, Jaipur
4. Dr. A.S. Baloda, Professor, Head, Department of Entomology, RARI, Durgapura, Jaipur.
5. Dr. Rani Saxena, Asstt. Professor please upload the above tender on website, RARI, Durgapura, Jaipur.
6. M/s....., Durgapura, Jaipur.
7. Tender File.
8. Notice Board.

  
**DIRECTOR**

## Detailed Estimate

**Name of Work : Repair and Renovation of Entomology at RARI Durgapura (Jaipur)**

**Based on : BSR 2022 Civil**

S.no	Description	No	L	B	H	Quantity	Unit	Rate	Total Amount
1 (E-3.1)	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) on surface ISI marked ( IS:14927 P - II ) virgin material UPVC trunking & it's accessories, Hot Dipped Galvanized Modular box of 1.2 mm thick with earth terminal/ Surface Moulded virgin material UPVC Modular Box , 10 A Modular switch, Modular face plate with grid plate, 3 pin ceiling rose/holder /3 way Connector, screws, making connections, testing etc. as required. For specification of copper Conductor, Phenolic Laminated sheet's & Electrical/ Wiring accessories refer Chapter E - 04, E - 05 & E - 07 For additional technical parameters of product / work refer Annexure 'A' attached with this BSR								
<b>A</b>	<b>Short point (up to 3 mtr.)</b>					9	P. point		
<b>B</b>	<b>Medium point (up to 6 mtr.)</b>					19	P. point		
<b>C</b>	<b>Long point (up to 10 mtr.)</b>					11	P. point		
2 (E-3.3.1)	Wiring of 3/5 pin 6 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) on surface ISI marked ( IS:14927 P - II ) virgin material UPVC Trunking & it's accessories, Hot Dipped Galvanized Modular box of 1.2 mm thick with earth terminal/ Surface Moulded virgin material UPVC Modular Box, modular 10A switch, 3/5 pin 6 A modular socket, Modular face plate with grid plate, screws, making connections, testing etc. as required. For specification of copper Conductor, Phenolic Laminated sheet's & Electrical/ Wiring accessories refer Chapter E - 04, E - 05 & E - 07 For additional technical parameters of product / work refer Annexure 'A' attached with this BSR On board								
	<b>Total</b>					10	P. point		
3 ( E - 7.37)	Supplying and fixing of power plug point with Modular accessories as per PWD specification for electrical Works, on hot dipped galvanized modular box of 1.2 mm thick with earthing terminal/connector on surface or in recessed with suitable size of modular face plate with grid plate and cover plate including cost of ISI marked modular 16 amp. Switch (IS :3854) and 6/16 amp. socket outlet (IS:1293) making connection , testing , etc. as required. For specification of Wiring accessories refer Chapter E - 07 related item & For additional technical parameters of product / work refer Annexure 'A' attached with this BSR								
	<b>Total</b>					14	no.s		
4 (E-15.7.5)	Providing & Fixing of BEE Star rated copper wounded double ball bearing capacitor start, aluminium body & Metallic blade ceiling fan. Conforming to all the performance requirements laid down in IS 374:2019 including all amendments, as applicable ; & Carry BIS licensing (i.e. ISI marking) with down rod up to 80 cm with secondary support safety cable ( steel rope ) , cotter pin with 3 x 1.5 sq.mm pvc insulated flexible copper conductor making connection testing etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR . 1400 mm Sweep BEE 3 Star rated (service value >=5.0 to < 5.5 )								
	<b>Total</b>					5	Each		

*[Handwritten Signature]*

5 (E-7.29.1)	<p>Providing &amp; Fixing of modular type 120 W Step Fan regulator duly ISI marked (IS 11037:1984 ) with CM/L no. printed made out of unbreakable and fire retardant vergin poly carbonate with brass terminals and captive screws &amp; silver alloy contact tip with IP-20 rating , including all as per pre approved by Engineer in charge,making connections, testing etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR</p> <p>5 step fan regulator 2 Module 360 dgree rotating</p>			
		Total	7	Each
6 (E-6.1)	<p>Providing &amp; Fixing of 240/415 V AC MCB with positive isolation of 10 kA breaking capacity (B/ C/D tripping characteristic as per type of load and site requirement) 4 KV impulse withstand voltage, ISI marked IS 8828(1996) / conforming to IEC 60898-1 2002, IEC 60947-2, low watt losses, trip free mechanisum , energy limiting of class 3 as per IEC, minimum phase termination capacity of 35sq.mm. , conductor line load reversibility , IP 20 contact protection and fitted in existing distribution board/sheets, minimum electrical operation 20,000 upto 20 A rating and 10,000 upto 63 A, 5000 for 80 A &amp; above rating including making connections, testing etc. as required. OEM shall have submit NABL / CPRI / ERDA accredited lab type test reports &amp; All as per pre approved by Engineer in charge. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR</p>			
(E-6.1.2.3)	<b>Double pole MCB(With B/C curve tripping Characteristics) 40 A rating</b>			
		Total	1	no.s
(E-6.1.4.4)	<b>Four pole MCB (With B/C curve tripping Characteristics) 50/63 A rating</b>			
		Total	1	no.s
7 (E - 7.30.10)	<p>Providing &amp; Fixing of following modular accessories as per PWD specification for electrical Works, made out of unbreakable and fire retardant vergin poly carbonate with brass terminals and captive screws &amp; silver alloy contact tip with IP-20 rating , including all as per pre approved by Engineer in charge,making connections, testing etc. as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR</p> <p>Modular MCB 6 A to 32 A SP</p>			
		Total	10	Each
8 (E - 6.15.1.1)	<p>Providing &amp; Fixing of Recessed/surface mounting heavy duty Vertical TPN Distribution board with Metal end box with provision of incomer suitable for MCB / RCCB and SP / TP MCB as outgoing ,made out from Galvanized steel / CRCA sheet not less then 1.2 mm thick conforming to IS-8623-1 &amp; 3 / IEC 61439- 1 &amp; 3. powder painted with reversible door (for double door DB only ) complete with insulated 100 A rating copper bus bar, neutral bars with shrouds, earth bar , color coded interconnecting wire set of suitable rating and din bar,masking sheet, making internal DB terminations with copper lugs, ferrules, detachable gland plate, including making connections, testing etc. as required. OEM shall have submit NABL / CPRI / ERDA accredited lab type test reports &amp; All as per pre approved by Engineer in charge.For additional technical parameters of product / work refer Annexure 'A' attached with this BSR</p> <p>Double door IK-09 &amp; IP-43 with Metal end box 4 Way(8+12)</p>			
		Total	1	no.s

9 (E- 4.1)	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor as per PWD specification for electrical Works with ISI marked (IS:694) and as per IS 8130 : 2013 of 1.1 kV grade . Wire should be made from 99.90 % purity copper, class 5 stranding in acc. to IS:8130/IEC 60228 for lower watt loss , oxygen free for less chances of oxidization, insulation PVC type A/C/D , flame retardant as per IS 10810-53, better amperage rating as per IS:3961 part 5, in existing surface or recessed PVC/ MS conduit/casing capping making connections with Copper Lugs of suitable size, Ferrules,testing etc. as required. OEM Must have its own in house NABL lab setup for all testing facilities for wires. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR				
(E- 4.1.7)	2 x 2.5 sq. mm. + 1x1.5sqmm				
		Total	160	m	
(E- 4.1.14)	2 x 4.0 sq. mm. + 1 x 2.5 sq. mm.				
		Total	230	m	
10 (E - 17.3)	<p>Providing &amp; Fixing of IP-20 LED Recessed / Surface Mounted, Round / Square SMD Mid Power LED Downlight with power coated die-cast aluminum housing with UV Stabilized non yellowish Diffuser with BIS complience 2.5 KV surge protected isolated driver, with Short &amp; Open circuit protection, having efficiency &gt; 85% . System Lumen efficacy of ≥ 110 lm / watt, THD &lt; 10 % , Pf.≥0.95, CRI &gt;80, life time of minimum 50000 Burning Hours with , 70% of intial Lumen maintained till life ends , CCT 3000°K / 4000°K/ 5700°K /6000°K/6500°K (As per ANSI Bin) , maximum power consumption should not more than the specified rating and Fixture shall be of BIS standard and trade mark certificate ( T.C.). Manufactures Word Mark/ Name Engraved/ Embossing/ Screen printing on housing.</p> <p>OEM must have its own in house NABL lab setup for all testing facilities for LED fixtures. (LM79 &amp; LM80) certificate / Report from OEM shall be submitted. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .</p>				
(17.3.1.1)	Minimum lumen output 330 lm				
		Total	5	Each	
11 (E - 15.19.1)	<p>P &amp; F of Wall cowl with Bird Screen Suitable for Outside Wall of Exhaust Fan Opening of following size and made out from 24 SWG GI sheet as per instructions of Engineer in charge including fixing with suitable fasteners etc. as required. All as per pre approved by Engineer in charge. For additional technical parameters of products/ work , refer Annexure "A" attached with this BSR .</p> <p>Suitable for 300 mm sweep Exhaust Fan</p>				
		Total	2	Each	
12 (E - 2.4.2)	<p>S&amp;F following sizes (dia.) of ISI marked ( IS:9537 P - II ) rigid steel conduit with wall thickness according to IS Specified along with ISI marked (IS:14768 P-II 2003) accessories in recessed using saddles, clamps, fasteners, pvc bushes, check nuts, as required including cutting jhiris in the wall and making good the same as required. For additional technical parameters of product / work refer Annexure 'A' attached with this BSR</p> <p>25 mm</p>				
		Total	255	R.mtr	
13 (E - 5.12)	<p>Labour charges for dismantling of surface/ recessed switch board of any size and depositing the same with listing of material in store.</p>				
		Total	8	Each	
14 (E - 5.13)	<p>Labour charges for dismantling of switch accessories like switch, socket, ceiling rose, holder and depositing the same with listing of material in store.</p>				
		Total	34	Each	

15 (E - 5.14)	Labour charges for dismantling of wiring in existing conduit of following size and depositing the same with listing of material in store. up to 2.5 sq. mm. wire								
					Total	155	Rmtr		

*[Handwritten signature]*