पूर्वी क्षेत्र के लिए भारतीय कृषि अनुसंधान परिषद का अनुसंधान परिसर
ICAR RESEARCH COMPLEX FOR EASTERN REGION
(भारतीय कृषि अनुसंधान परिषद INDIAN COUNCIL OF AGRICULTURAL RESEARCH)

आई.सी.ए.आर. परिसर, पोस्ट – बिहार भेटनरी कॉलेज, पटना – 800014 (बिहार), भारत
ICAR Parisar, P/o - Bihar Veterinary Collage, Patna – 800 014 (Bihar), INDIA
Qksu la- Phone No. (0612) 2228805, **2228882*104**, QSDl la- Fax No.2223956, E-mail: aorcer@rediffmail.com

Speed Post

F.No.IRCER/08-09/P&S-21(M)/Main Gate /6459 Dated: 24/29.12.2009

To,

M/s

Sub: Quotation for "Construction of Main Gate at main Complex" – reg

Sir,

ICAR Research Complex for Eastern Region, Patna, a unit of Indian Council of Agriculture Research, Ministry of Agriculture, Govt. of India, invites quotations for **"Construction of Main Gate at main Complex"** (as per Annexure 'A')" of this institute from the reputed firms/contractors.

Accordingly it is requested to quote your lowest rates keeping in view of the following terms and conditions:-

1. The offered rates should reach this office on or before **11.01.2010 up to 5.00 pm .** at the latest. The quotation received thereafter will not be considered. The quotations so received will be opened on **next working day.**

2. No advance payment will be made but payment is assured within 10 days from the date of completion of ordered work satisfactorily and submission of your bill subject to the condition that all the required formalities are done before submission of bill.

3. The proposed works may be increased or decreased at the discretion of the Director, ICAR Research Complex for E.R. Patna, while placing the work order.

4. The rates quoted for work at **ICAR-RCER, Patna** should be inclusive of all charges such as Service Tax etc. if any.

5. The works will have to be **made in need / order basis, however all the works as orders should be completed within 30 days** In case of failure to execute the work within the specified date/period, **penalty @ 2.00% per month** will be charged.

6. The necessary required documents i.e. Registration of firm, Valid labour license, Proof of Income Tax payee (latest income tax return), Related (construction) working experience with supported documents of last 5 years, VAT/Sales tax number (if applicable) are must and should be enclosed with the quotation failing which the quotation will not be considered. ***All the documents should be self attested***. **CHECK LIST** in the prescribed format must be filled in and attached alongwith the quotation.

Contd./02

7. **Earnest Money Deposit @ 2.5% of estimated value of work** is to be deposited in the shape of Demand Draft drawn in favour of "ICAR Unit: ICAR-RCER, Patna" alongwith quotation, which will be adjusted against security deposit or otherwise refunded. Quotations without EMD are liable to be rejected.

8. Security Deposit @ **5% of the cost of the work value** is to be deposited within 10 days of award of work in the shape of Demand Draft drawn in favour of "ICAR Unit: ICAR-RCER, Patna", which will be refunded after satisfactory completion of warranty period / 01 year.

9. Conditional offers are liable to be rejected summarily.

10. Acceptance of the lowest offer is not mandatory on the part of this institute.

11. The Director, ICAR Research Complex for Eastern Region, Patna reserves all rights to accept or reject any of the quotations without assigning any reasons thereof.

The quotations should be addressed to the **Administrative Officer, ICAR Research Complex for Eastern Region, ICAR Parisar, P.O.: Bihar Veterinary College, Patna – 800 014 (Bihar)** in a sealed cover superscribed quotation for **""Construction of Main Gate at main Complex**

Yours faithfully,

(A. N. Vashisth)
Administrative Officer I/c

Copy to:-
1) Dr. A.K. Singh, Chairman Works Committee.
2) ARIS Cell – for appearance the same on institute's website.
2) FAO, ICAR-RCER, Patna.
3) Notice Board of ICAR RCER, Patna

CHECK LIST

Sl. No.	Document attached	Please write (Yes / No)	Page No. of the Quotation for reference
1.	Registration of firm		
2.	Valid labour license		
3.	Proof of Income Tax payee (latest income tax return)		
4.	Related (construction) working experience with supported documents of **last 5 years**		
5.	VAT/Sales tax number (if applicable)		

(Authorize Signature of Firm with seal and date)

Contd./03

Rate required for construction of Main Gate at Main Complex

Sl No.	Particulars of work	Quantity	Unit	Approx. Rate	Amount, Rs
1.	Demolishing brick work with cement mortar manually or mechanical means including stacking of serviceable material and disposal of unserviceable materials with in 50 meter leads as per direction of Engineer-In-charge Quantity: Old pillars = 2Nos x 2'-0"x2'-0"x 6'-6" = 52 cft Wall =1Nox 6'-0"x 6'-0" x10" =30 cft **Total = 82 cft**	82	Cft		
2.	Earth work (ordinary rock) in excavation by mechanical /manual means in foundation trenches including getting out the excavated soil as directed, with in a lead of 50 m. Quantity: Earth work for gate pillar foundation: 3Nosx 6'-0" x 6'-0"x 2'-0" = 216 cft Earth work for foundation beam Main gate = 1Nox 17'-6" x 2'x1' = 35 cft 1Nox 3'-4" x 2'x1' = 6.66 cft Guard room 4Nosx 11'-8"x2'x1' = 93.36 cft 2Nosx 3'-4"x2'x 1' =13.32 cft Stairs foundation 1'-3" x 4'-3"x 2'-0" = 10.62 cft **Total = 374.96 cft**	374.96	Cft		
3.	Making 25 cm (10") dia. bore up to required depths with hand auger of approved quality etc. all complete the job as per specification, drawing and direction of Engineer- In-Charge Quantity: Gate pillar's pile & Guard room Nos of pile = 07 Depth = 8'-0" 07 Nos x 8'-0" = 56 rft **Total = 56 rft**	56	Rft		
4.	Providing and laying RCC (1:2:4) in pilling at required depth of foundation with approved quality of stone chips and sand including mixing, placing and curing etc. All complete the job as per specification and direction of Engineer- In-charge. Quantity: 07Nosx22/7x5"x5"/12"x12"x8'-0" = 30.55 cft **Total =30.55 cft**	30.55	Cft		
5.	Providing and laying RCC (1:2:4) in capping beam (foundation beam). at GL with approved quality of stone chips and sand including placing of materials, carriage, shuttering and curing etc. excluding reinforcement all complete the job as per specification and direction of Incharge/Engineer	48.21	Cft		

	Quantity : Foundation beam (10”x 9”): Gate pillar to pillar & wall 1Nox 17’-6” x 10”x 9” = 10.93 cft 1Nox 3’-4” x 10”x9” = 2.08 cft 1Nox 3’x10”x9” = 1.87 cft Guard room’s wall 4Nos x 11’-8”x10”x 9” =29.17 cft 2Nosx 3’-4”x10”x 9” = 4.16 cft Total = 48.21 cft				
6.	Providing and laying RCC (1:2:4) in stiffeners (column) with approved quality of stone chips and sand including centering, shuttering, mixing, placing& curing etc. excluding reinforcement All complete the job as per specification and direction of Engineer- In-charge. Quantity: Main gate pillars: Base of pillars = 3Nosx5’-0”x5’-0”x 1’-0” = 75 cft 3Nos x 1’-9”x 1’-9”x10’-0”= 91.87 cft Top of the pillars = 3Nosx 2’-0”x 2’-0” x 3” = 3 cft 3Nosx 1-‘3”x1’-3”x 6” = 2.34 cft Guard room’s pillars (column) 4Nosx (2’-6”+12’-0”)x10”x10” =40.27 cft **Total = 212.48 cft**	212.48	Cft		
7.	Providing brick work with F.P.S. bricks of class designation 75 in foundation and plinth with cement mortar (1:4). All complete the job as per specification and direction of In-charge/Engineer – In charge. Quantity: Brick work: GL to PL Guard room 4Nos x 2’-6” x 11’-8”x 10” = 97.25cft Wall between guard room & B. wall = 2Nosx 3’-4” x 2’-0”x10” = 11.1 cft Stairs foundation (Guard room) 1Nox 1’-3” x 4’-3”x 2’-0” = 10.62 cft First stair = 1Nox1’-6” x 0’-9”x 3’-3”= 3.65 cft Second stair = 1Nx 0’-9” x 0’-9” x 3’-3” = 1.82 cft **Total = 124.44 cft**	124.44	Cft		
8.	Providing and laying RCC (1:2:4) at PL as DPC with approved quality of stone chips and sand including centering, shuttering, mixing, placing and curing etc. excluding reinforcement. All complete the job as per specification and direction of Engineer-In-charge. Quantity: 3” DPC at PL = 4Nosx 3”x10”x 11’-8” = 9.72 cft	9.72	Cft		

	Total = 9.72 cft				
9.	Providing coarse clean sand/ Ganga sand filling in foundation and plinth including watering and reaming in layers etc. All complete the job as per specification and direction of Engineer- In charge. Quantity: Sand filling in foundation & plinth = 2'-0" x 10'-0" x 10'-0" =200 cft Floor of water point area = 3'-4" x 6'-6" x 1'-6" =32.46 cft **Total =232.46 cft**	**232.46**	**Cft**		
10.	Providing and laying DPC (1:2:4) at door level with approved quality of stone chips and sand including centering, shuttering, mixing, placing and curing etc. excluding reinforcement. All complete the job as per specification and direction of Engineer-In-charge. Quantity: **DPC at door and window level** 4Nosx 11'-8" x 6"x10" = 19.45 cft **RCC Taper at parapet wall** 4Nosx 3" x 1'-10" x 11'-8" =21.35 cft 4Nosx½ (12"x 10")x11'-8" = 19.45 cft Total = 60.25 cft **Deduction: (-)** Column = 4Nos x 0'-6" x 10"x10" = 1.38 cft **Net quantity =** **19.45 + 21.35 +19.45–1.38 = 58.87 cft**	**58.87**	**Cft**		
11.	Providing and laying RCC (1:2:4) beam at lintel level with approved quality of stone chips and sand including centering, shuttering, mixing, placing and curing etc. excluding reinforcement. All complete the job as per specification and direction of In-charge/Engineer. Quantity: RCC Beam at lintel level: 4Nosx 10"x10"x 11'-8" = 32.41 cft **Deduction (-)** Column =4Nosx10"x10"x10"=2.31 cft **Net quantity** = 32.41 – 2.31**= 30.1 cft**	**30.1**	**Cft**		
12.	Providing brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level in all shape and size with cement mortar (1:4). All complete the job as per specification and direction of Engineer – In charge**.** Quantity – Guard room's walls 4Nos x 10'-0" x 0'-10"x 11'-8" = 389 cft Shelf in Guard room = 2 Nos x 6'-6"x 0'-5" x 15" = 6.77 cft 2 Nos x 3'-6" x 0'-5" x 15" =3.64 cft	**467.31**	**Cft**		

	Side walls (both side) of main gate 1 No x2'-6"x10'-0"x 0'-10"=20.83 cft 1Nox 4'-9" x 10'-0"x 0'-10"=39.58cft 2Nox 0'-3" x 10'-0" x 1'-3" = 6.25 cft Middle wall (Guard room & B. wall) 1No x 3'-4" x 6'-6"x 0'-10"=18.03 cft 1No x 3'-4" x 0'-3"x 1'-3" = 1.04 cft Parapet wall /boundary wall (Guard room) 4Nosx1'-9"x11'-8"x 0'-10" =68.07 cft **Total = 553.21 cft** **Deduction (-)** Beam = **30.1 cft** DPC at LL = 19.45 cft Doors & Windows = 3'-3"x 6'-6" x 10"x 1No = 17.60 cft 3'-0"x2'-6"x10" x 3Nos = 18.75 cft Net deduction =85.90 cft **Net quantity of brick work** **=** 553.21 cft - 85.90 cft **= 467.31 cft**				
13.	Providing and laying RCC (1:2:4) in roof slab as lintel with approved quality of stone chips and sand including centering, shuttering, mixing, placing and curing etc. excluding reinforcement. All complete the job as per specification and direction of Engineer-In-charge. Quantity: Roof area: = 11'-8"x11'-8" =136.18 sft Thickness of slab = 0'-4" **Net quantity** = 136.18sftx 4" = **45.39cft**	**45.39**	**Cft**		
14.	Providing and laying RCC (1:2:4) in chhaija at door and windows with approved quality of stone chips and sand including centering, shuttering, mixing, placing and curing etc. excluding reinforcement. All complete the job as per specification and direction of Engineer- In-charge. Quantity: RCC Work (Chhaija) Door + window (Front) 1Nox 7'-6" x 1'-6"x 4" = 3.75 cft Windows 2Nos x 3'-0"x 1'-6"x 4" = 3 cft Total = 6.75 cft	6.75	Cft		
15.	Supplying, fitting and fixing iron door and frame made with M S Angle 40x40x5mm and door leaf 35x35x5mm , MS Sheet 20 G M S Flat and M S rod including cutting, welding and fitting with locking arrangement (both side), stopper, handle and complete with painting of metal primer etc. All complete the job as per specification and direction of Engineer- Incharge. Door size: 1Nox 6'-6"x 3'-3" = 21.125 sft Weight 3.75kg/sft = 3.75 x2 1.125 sft = 79.2 kg	79.2	Kg		

	Total = 79.2 kg				
16.	Supplying, fitting and fixing windows with grill (M S Flat 25x5mm), double leaf pans window framing made of M S Angle 25x25x3, M S Z Angle 25x25x3,M S Tee 25x3mm and M S Flat 50x3mm including cutting, welding and fitting locking arrangement, window stopper, handle and complete with metal primer etc. All complete the job as per design, specification and direction of Engineer-Incharge. Window size: 3Nox 3'-0"x 2'-6" **= 22.5 sft** **Windows with iron grill** Weight 3.5kg/sft = 3.75 x 22.5= **84.37 kg**	84.37	Kg		
17.	Providing, fitting and fixing of 4mm glasses in iron window pans as per specification and direction of Engineer-In-charge. Quantity: Window size: 3'-0"x 2'-6" 3Nox 3'-0"x 2'-6" **= 22.5 sft**	22.5	Sft		
18.	Providing brick flat soling with F.P.S. bricks of class designation 75 in floor joint filled properly with local sand All complete the job as per specification and direction of Engineer – In charge**.** Quantity: Area of floor for brick flat soling Guard room's floor = 10'-0" x 10'-0" =100 sft Water point area's floor = 3'-4" x 6'-6" = 21.64 sft Total = 121.64 sft	121.64	Sft		
19.	Providing PCC 1:2:4 with 20mm nominal size stone aggregates cement concrete over road side of brick edge soling at out side of main gate, parapet including shuttering mixing, placing and curing etc. All complete jobs as per specification and direction of Engineer- In-charge. Quantity: PCC over both side brick edge soling of road 2Nosx 2'-0" x 0'-4" x 33'-6" = 44.66 cft PCC across the road of main gate 21'-0" x 2"x 2'-0" = 7 cft Taper portion of parapet wall 4Nos x ½ (1'-0"x1'-0")x11'-8" =23.34 sft **Total = 75cft**	75	Cft		
20.	Providing 40mm thick with 20mm nominal size stone aggregates cement concrete (PCC 1:2:4) in floor with floating coat of neat cement including cement slurry, proper slope and curing etc. All complete jobs as per specification and direction of Engineer- In-charge. Quantity = PCC of Floor = 10'-0" x 10'-0" =100 sft	121.64	Sft		

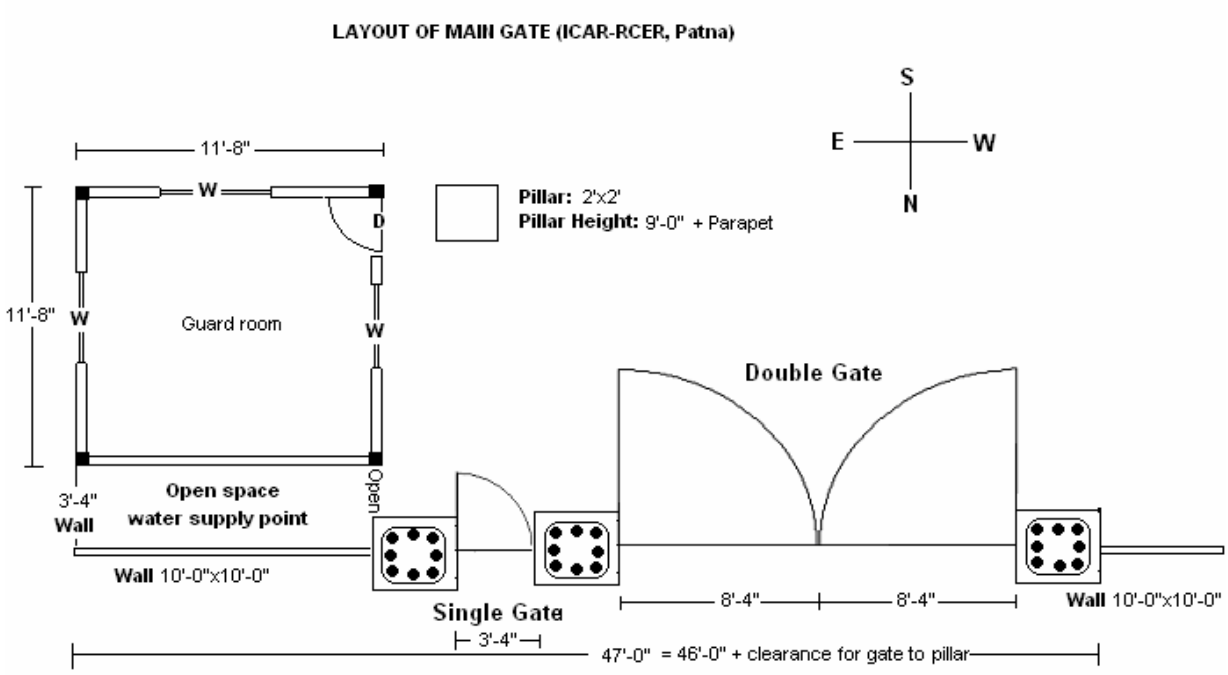
	Floor area of water point = 3'-4" x 6'-6" =21.64 sft **Total = 121.64 sft**				
21.	Providing 12mm thick cement plaster (1:6) with approved quality of sand including screening mixing and curing etc. All complete the job as per specification and direction of Engineer – In-charge. Quantity: **Main gate pillars:** 3Nos x (1'-9"x 9'-0") x 4 sides = 189 sft **Top of pillar =** 3Nos x (4"+ 3")x2'-3"x 4 = 15.75 sft 3Nosx 2'-3"x 0- 4" x 4 sides= 9 sft 3Nosx 1'-8"x 0- 6" x 4 sides= 9 sft 3Nosx 18"x18" = 6.75 sft **Walls =** 2Nos x (10'-0"x10'-0")x2= 400 sft **Top of wall =** 2Nosx(15"+3"+3")x 10'-0"=35 sft **Guard room = GL to PL** 4Nos x 1'-6" x 11'-8" = 70.02 sft **Wall between guard room & Boundary wall** = 2Nosx 3'-4" x 1'-6" =10 sft 2Nosx3'-4" x 6'-6" = 43.29 sft 1Nox 3'-4" x 0'-10" = 2.76 sft **Stairs =** 4Nos x 0'-9" x 3'-6" =10.5 sft 2Nos x 0'-9" x 1'- 6" = 2.25 sft 2Nos x 0'-9"x 0'-9" = 1.125 sft **Out side plaster (Guard room)** =4Nosx11'-8" x10'-0" =466.80 sft **Inside plaster (Guard room) =** 4Nosx (10'-0" x 10'-0"=400 sft **Ceiling** =10'-0"x 10'-0" =100 sft **Parapet wall (Guard room)** **Outside** 4Nos x 2'-0"x 11'-8" = 93.36sft **Inside** 4Nos x 2'-0"x 10'-10" = 86.64sft **Taper portion =** 4Nos x (1'+1'+1.41'+4") x11'-8" = 174.58sft **Chhaija =** 2Nosx 7'-6" x 1'-6" = 22.5 sft 4Nos x 3'-0" x1'-6" = 18 sft 2Nos x 0'-4" x 6'-0" = 3.96 sft 1No x 10'-0" x 0'-4" = 3.46 sft **Plaster of floor** = 10'-0" x 10'-0" = 100 sft **Water point area floor** = 3'-4" x 6'-6" =21.64 sft **Plaster of out side path at both side** 2Nos x 33'-6" x 2'-4" = 156.11 sft	2457.43	Sft		

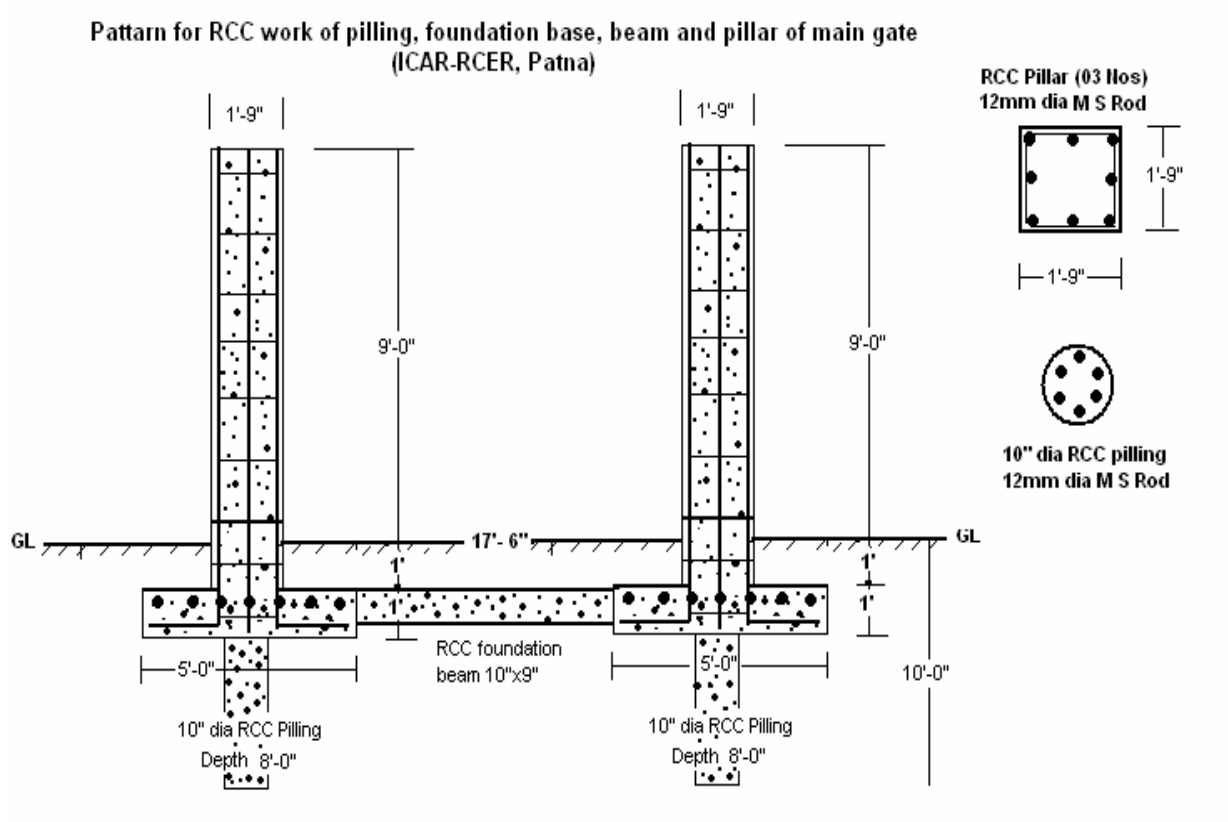
	Guard room's shelf = 4 Nos x 6'-6"x 15" = 32.5 sft 2 Nos x 6'-6"x 0'-5" = 5.40 sft 4 Nos x 3'-6" x 15" = 8.75 sft 2 Nos x 3'-6" x 0'-5" = 2.91 sft Total = 2501.05 sft **Deduction (-)** Doors & Windows = 1Nox 3'-3"x 6'-6" = 21.12 sft 3Nos x 3'-0"x 2'-6" = 22.5 sft Total = 43.62 sft **Net plaster** = 2501.05 – 43.62 = **2457.43 sft**				
22.	Providing 1.50mm cement punning including carriage of water with all leads and lift etc .all complete the job as per specification and direction of the Engineer- In-charge. Quantity: Area: **Floor (Guard room)** = 10'-0" x 10'-0" = **100 sft** **Water point area floor** = 3'-4" x 6'-6" =**21.64 sft** Total = 121.64 sft	121.64	Sft		
23.	Supplying fitting and fixing granite stone (18mm thick) with glass finish surface including the cutting and finishing as per specification and direction of Engineer- In-charge Quantity: Window counter (both side) = 1Nosx 3'-0"x 3'-3" = 9.75 sft Shelf = 4Nosx 3'-3"x 12" = 13 sft Granite stone for gate pillars & side wall of gate Gate pillars = 3Nos x 2'-0" x 9'-0" x 4 sides = 216 sft Top of the pillars = 3 Nosx2'-3"x 2'-3" = 15.18 sft 3Nosx 2'-3"x 4"x4 sides = 8.91 sft 3Nosx 1-'6"x 6" x4 sides = 9 sft 3Nosx 2'-3"x 3" x4 sides =6.75 sft Side wall 2Nos x (10'-0" x 10'-0") =200 sft Top of wall 2 Nos x 15" x 10'-0"= 25 sft **Total = 503.59 sft**	503.59	Sft		
24.	Supplying, fitting and fixing ceramic glazed tiles (8"x12") with white cement over the plastered wall all complete the job as per specifications and direction of Engineer- In-charge. Quantity = Wall area of water point 2Nos x 6'-6" x 6'-6" = 84.5sft 1Nox3'-4" x6'-6" = 21.64 sft **Total = 106.14 sft**	106.14	Sft		

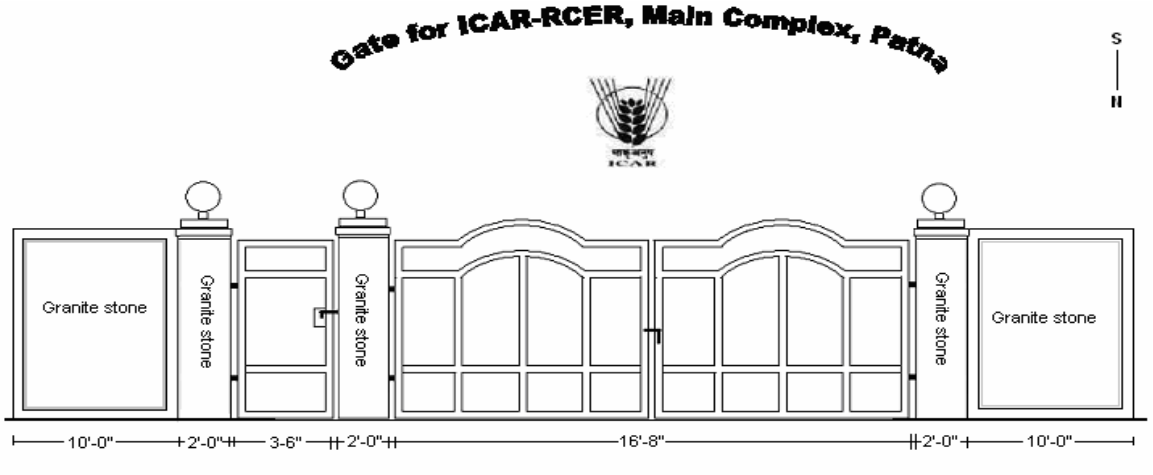
25.	Providing reinforcement for RCC work including straightening, cutting, bending, placing in position and binding all complete the job as per direction of Engineer- In-charge. Quantity: Plain M S Bar for tags				
	a) 06mm	80	Kg		
	b) 08mm	120	Kg		
	Twisted M S Bar				
	c) 10mm	260	Kg		
	d) 12mm	460	Kg		
	e) Black wire	10	Kg		
	• **Pilling** **Main gate** = 12mm dia twisted M S bar x 6Nos + Tag (8mm dia rod) **Guard room's pilling** = 12mm dia twisted M S bar x 4 Nos+ Tag (8mm dia rod) • **Foundation beam =** **Main gate** = 12mm dia twisted M S bar x 4 Nos + Tag ((6mm dia rod) **Guard room** = 12mm dia twisted M S bar x 4 Nos + Tag (6mm dia rod) • **Foundation base of Pillars** 5'x5'x1'x3Nos = 12 mm dia twisted M S bar x10Nos & 6" spacing • **Pillars** **Main gate** = 12mm dia twisted M S bar x 8Nos + Tag (8mm dia rod) **Guard room** Pillar = 12mm dia twisted M S bar x 4 Nos + Tag (8mm dia rod) • **Chahaija** = 10 mm dia twisted M S bar, 4" spacing • **DPC at PL** = 10 mm dia twisted M S bar x 3Nos+ Tag ((6mm dia rod) • **DPC at LL =** 10 mm dia twisted M S bar x 4Nos+ Tag (6mm dia rod) • **Beam** at Roof level (Guard room)= 12mm dia twisted M S bar x 6Nos + Tag (6mm dia rod) • **Roof slab** 10mm dia twisted M S bar, 6" spacing				

26.	Painting steel work with Deluxe Multi surface paint of required shad. Two or more coat applied @0.90 ltr/10 sqm over an under coat of primer applied @ 0.80ltr/10sqm of approved brand or manufacture. All complete the job as per specification and direction of Engineer-In-charge. Quantity: Area = Door:1Nox 3'-3" x 6'-6"x 2 = 42.25 sft Window: 3Nosx 2'-6"x 3'-0"x 2 = 45 sft **Total = 87.25 sft**	87.25	Sft	6/-sft	
27.	Providing two or more coat of Snow cem of approved shed make over a coat of cement primer on new surface including cost of cleaning the surface etc. all complete the job as per specification and direction of I/E. Quantity: **Guard room = GL to PL** 4Nos x 1'-6" x 11'-8" = 70.02 sft **Wall between guard room & Boundary wall** = 1Nosx 3'-4" x 1'-6" =5 sft 1Nosx3'-4" x 6'-6" = 21.65 sft 1Nox 3'-4" x 0'-10" = 2.76 sft **Stairs =** 4Nos x 0'-9" x 3'-6" =10.5 sft 2Nos x 0'-9" x 1'- 6" = 2.25 sft 2Nos x 0'-9"x 0'-9" = 1.125 sft **Out side(Guard room)** =4Nosx11'-8" x10'-0" **=466.80 sft** Inside plaster (Guard room) = 4Nosx (10'-0" x 10'-0"**= 400 sft** Ceiling =10'-0"x 10'-0" **=100 sft** Parapet wall (Guard room) Outside 4Nos x 2'-0"x 11'-8" **= 93.36sft** Inside 4Nos x 2'-0"x 10'-10" **= 86.64sft** Taper portion = 4Nos x (1'+1'+1.41'+4") x11'-8" **= 174.58sft** **Chhaija =** 2Nosx 7'-6" x 1'-6" **= 22.5 sft** 4Nos x 3'-0" x1'-6" **= 18 sft** 2Nos x 0'-4" x 6'-0" **= 3.96 sft** 1No x 10'-0" x 0'-4" **= 3.46 sft** **Guard room's shelf =** 4 Nos x 6'-6"x 15" **= 32.5 sft** 2 Nos x 6'-6"x 0'-5" = **5.40 sft** 4 Nos x 3'-6" x 15" **= 8.75 sft** 2 Nos x 3'-6" x 0'-5" **= 2.91 sft** Total = 1532.16 sft **Deduction (-)** Doors & Windows = 1Nox 3'-3"x 6'-6" = 21.12 sft 3Nos x 3'-0"x 2'-6" = 22.5 sft	1488.54	Sft	3.5/-sft	

	Total = 43.62 sft **Net quantity** = 1532.16 – 43.62 = **1488.54 sft**				
28.	Supplying, fitting and fixing Electrical items with concealed wiring of approved quality all complete the job as per direction of Engineer- In-charge. Quantity Switch board – 01 (inside of guard room) Ceiling fan -1 No Lamp post -03 Nos Tube light fitting – 02 Power point – 01 Mercury Lamp shed -01			L S	
29.	Providing, fitting and fixing standard wash basin and one water point (bib cock) along with fittings, supply pipeline (1"& ½" G I Pipe) from 10 m water source to point using place, All complete the job as per direction of Engineer-In-charge. Quantity: Bib cock and its fittings - 01set Wash basin and its fittings – 01set Out let pipe with steel jali - 01 set			L S	
30.	Labour charge for fitting and fixing iron gate, which will be provided by the office including leveling as horizontally/vertically and clearance with pillars and ground level to maintain properly. All complete the job as per specification and direction of Engineer- In- charge. Quantity: Main gate: 16'-8" x 9'-0" = 150.03 sft Small gate: 9"-0" x3'-4" = 29.97 sft Total = 180 sft	180	Sft		
	Total Rs				


LAYOUT OF MAIN GATE (ICAR-RCER, Patna)
S
E
W
N
11'-8"
11'-8"
W
D
W
W
Guard room
Pillar: 2'x2'
Pillar Height: 9'-0" + Parapet
Double Gate
3'-4"
Wall
Open space
water supply point
Open
Wall 10'-0"x10'-0"
Single Gate
8'-4"
8'-4"
Wall 10'-0"x10'-0"
3'-4"
47'-0" = 46'-0" + clearance for gate to pillar


Pattarn for RCC work of pilling, foundation base, beam and pillar of main gate
(ICAR-RCER, Patna)
RCC Pillar (03 Nos)
12mm dia M S Rod
1'-9"
1'-9"
1'-9"
1'-9"
9'-0"
9'-0"
GL
17'- 6"
GL
1'
1'
1'
1'
RCC foundation
beam 10"x9"
5'-0"
5'-0"
10'-0"
10" dia RCC Pilling
Depth 8'-0"
10" dia RCC Pilling
Depth 8'-0"
10" dia RCC pilling
12mm dia M S Rod



Nos of wall = Two
Wall height same as coil fencing boundary wall height (about 10’-0”)
Wall length = 10’-0”
Pillar height = 9’-0” + Parapet
Pillar size: 2’-0”x2’-0” x 3 Nos
Iron gate will be provided by the office separately
Granite stone are to be fitted in walls and pillars of main gate
Work quality (Workman ship) should be maintained more and better