



राष्ट्रीयबीजनिगमलिमिटेड

भारतसरकार काउपक्रम-मिनिरत्न कम्पनीद्ध

केन्द्रीय राज्य फार्म, सूरतगढ़

जिला-श्रीगंगानगर (राज0)

फैक्स 01509 . 223877

दूरभाष : 01509.220084/220068

NATIONAL SEEDS CORPORATION LIMITED

(A Government of India Undertaking)

(CIN : U74899DL1963PLC003913)

Central State Farm, Suratgarh

PHONES : 01509-220084,220068

"An ISO 9001:2008 & ISO 14001:2004 Company"

e-mail – csfsuratgarh@rediffmail.com

Website: www.indiaseeds.com

No. CSF/SOG/4-1(79)/2015

Dated: 06.02.2016

TENDER NOTICE

1. The Central State Farm, Suratgarh invites bids for the construction of works detailed in the table given in para-7 here in after. The bidders may submit bids for any or all of the works.
2. Bidding is open to all eligible bidders meeting the eligibility criteria as defined in clause No. 3.5 of instructions to Bidders should, however, be registered with Central Govt. /State Govt. or Central/State Undertakings, Bidders are advised to note the minimum qualification criteria specified in clause 4 of the instructions to bidders to qualify for the award of the contract.
3. Bidding documents (and additional copies) may be purchased from the office of the Manager Engineer (Civil) from 08.02.2016 to 02.03.2016 during office hours for a non-refundable fee as indicated; in the form of cash or Demand Draft on any scheduled bank payable at **SURATGARH** (Raj.) in favor Of **NATIONAL SEEDS CORPORATION LIMITED SURATGARH.**

Interested bidders may obtain further information at the same address. Bidding documents requested by mail will be dispatched by Registered/speed post on payment of an extra amount of ₹. 100/- (Rupees one hundred only). The Management will not be held responsible for the postal delay if any, in the delivery of the documents of non-receipt of the same.

4. Bids must be accompanied by security amount specified for the work in the table below, payable at SURATGARH (Raj.) drawn in favor of NATIONAL SEEDS CORPORATION LIMITED SURATGARH.
- . Bid security will have to be in any one of the forms as specified in the bidding documents and shall have to be valid for 28 days beyond the validity of the bid.
5. Bids must be delivered to the DIRECTOR, CENTRAL STATE FARM, SURATGARH – 335804 on or before 1100 hours on 03.03.2016 and technical bid will be opened on the same day at 1200 hours and financial bid will be opened at 1500 hours in the presence of the bidders who wish to attend. If the office happens to be closed on the date of receipt of the bids as specified the bids will be received and opened on the next working day at the same time and venue.

Contd...2---

6. A pre bid meeting will be held on 02.03.2016 at 1700 hours at the office of MANAGER ENGINEER (CIVIL) TO CLARIFY THE ISSUES AND TO ANSWER QUESTIONS ON ANY MATTER THAT MAY BE RAISED AT THAT STAGE AS STATED IN clause 9.2 of Instructions to Bidders of the Bidding documents.
7. Other details can be seen in the bidding documents.

Sr. No.	Name of Work	Approximate value of work	Bid security	Cost of documents (In Rs.)	Period of completion
		Rs. (in Lacs.)			
1.	Seed Storage Godown 01 no's at CSF Suratgarh 63 x 21 M	60-20	2-00	1500-00	3 Months
4.	Galvaulme Sheeting 1.00 mm support less roofing for above	25-60	1-00	1000-00	1 Months

Note:

1. Cement will be issued from the general store of the farm.
2. Number and quantity of Work may increase or decrease.
3. No time extension will be given for execution of work.
4. Canal water is to be used for construction work.
5. Rates should be inclusive of all type of govt. taxes.
6. If any additional items are required to be executed the contractor has to execute in the same proportionate rate quoted by him.
7. The contractor/firm has to be registered for civil construction works.
8. The work experience for the contractor should be 40% of three work or 50% of two works or 80% of one work of similar nature during last seven years.
9. Insurance of labour working at site will be done before start of work.
10. Firm registration, Pan card, sales tax clearance , ESI & Service tax registration is mandatory.

Manager (Engg-Civil)
For Director



राष्ट्रीय बीज निगम लिमिटेड

(भारत सरकार का उपक्रम- मिनिस्ट्रल कम्पनी)

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No. CSF/SOG/4-1(79)/2015-

Dated: 05.02.2016

निविदा सूचना

केन्द्रीय राज्य फार्म, सूरतगढ़ में निम्नलिखित कार्य हेतु पंजीकृत ठेकेदारों से निविदाएं आमंत्रित की जाती हैं। प्रत्येक ठेकेदार को कम से कम 40 प्रतिशत के तीन कार्य या 50 प्रतिशत के दो कार्य या 80 प्रतिशत के एक कार्य की धनराशि के बराबर **समान** कार्य का पिछले सात वर्ष के दौरान अनुभव होना चाहिये। अधिक जानकारी के लिये **संस्था की वेब साइट www.indiaseeds.com** अथवा किसी भी कार्य दिवस में प्रबन्धक (सिविल) के कार्यालय में सम्पर्क किया जा सकता है। वांछित दस्तावेज (फर्म रजिस्ट्रेशन, कार्य अनुभव, पेनकार्ड, ईएसआई रजिस्ट्रेशन, सेल्स टैक्स क्लियरेंस व सर्विस टैक्स रजिस्ट्रेशन) आवश्यक रूप से संलग्न होने चाहिये। **डीडी "राष्ट्रीय बीज निगम लिमिटेड"** **सूरतगढ़ देयक सूरतगढ़** के नाम जमा करवानी होगी।

क्र० स०	कार्य का नाम	अनुमानित लागत (लाखों में)	धरोहर राशि (लाखों में)	प्रलेख की कीमत (रुपयों में)	कार्यावधि
1.	बीज भण्डार गोदाम साईज 63m x 21 m	60.20	2.00	1500.00	3 माह
2.	उपरोक्त की छत Galvalume sheet 1-0 mm की लगाने हेतु	25.60	1.00	1000.00	1 माह

नोट:-

कार्य की मात्रा कम या ज्यादा हो सकती है। प्रलेख की प्रति 08.02.2016 से 02.03.2016 तक किसी भी कार्य दिवस में प्राप्त की जा सकती है। प्री-बीड मीटिंग 17:00 बजे नांक 02.03.2016 को होगी। निविदा दिनांक 03.03.2016 को प्रातः 11:00 बजे **सूरतगढ़ फार्म** में जमा करानी होगी। जिसकी तकनीकी बीड उसी दिन 12:00 बजे तथा वित्तीय बीड 15:00 बजे खोली जायेगी। निविदा को किसी भी स्तर पर स्वीकृत या अस्वीकृत करने का अधिकार निदेशक केन्द्रीय राज्य फार्म **सूरतगढ़** के पास सुरक्षित है।

प्रबन्धक (सिविल)

RECOMMENDED MAKES OF ELECTRICAL EQUIPMENTS

1	Transformer	a	Siemens India Ltd.
		b	NGEF Ltd.
		c	Crompton Greaves Ltd.
		d	GEC Ltd.
		e	Jyoti Ltd.
		f	Kasun (Madras)
		g	NEI Ltd.
		h	ITE Hyderabad
		i	BHEL
2	HT Circuit breaker and fuse switch units.	a	Siemens India Ltd.
		b	NGEF Ltd.
		c	GEC Ltd.
		d	MET Ltd.
		e	Jyoti Ltd.
		f	Crompton Greaves Ltd.
		g	Allind
		h	Voltas
		i	BHEL
		j	ABB
		k	Siemens India Ltd.
		l	L&T
		m	Schevder
		n	Legrand
		o	Havells
		p	SSK
3	LT Switch gear (PCC) and motor control center (MCC)	a	Larsen & Turbo
		b	Siemens India Ltd.
		c	Bhartia cutier Hammer
		d	English Electric Company
4	Cables & Wires	a	Cable co. of India
		b	Fort Gloster
		c	TCC
		d	NICCO
		e	Grandlay
		f	Universal
		g	Asian cables
		h	Industrial cable
		i	National
		j	Finolex
		k	polycab.
		l	Plaza
		m	Havells
		n	RR Kabel
		o	ISI Mark
5	ceiling fans	a	GEC Ltd.
		b	Baja
		c	Usha
		d	Crompton
		e	Orient

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10

		f	cool home
		g	Almond
		h	Khaitan
		i	Orient
		j	Havells
6	Exhaust fans	a	GEC Ltd.
		b	Bajaj
		c	Usha
		d	crompton
		e	Almond
		f	Havells
		g	Alston
		h	cool home
7	Lighting fixtures	a	Incandesocent fixtures
		b	GEC Ltd.
		c	Bajaj
		d	Deccon
		e	Crompton
		f	Surya
II		g	Flourescent and HPMV fixture
		h	Philips
		i	GEC Ltd.
		j	Crompton
		k	Bajaj
		l	Mysore Lamps
		m	Best & Crompton Ltd.
8	PVC Conduit	a	AKG
	IS 9537 P-III	b	BEC
		c	pollycab. Plaja
9	Steel Conduit	a	AKG
		b	BEC
		c	Steel Kraft
		d	Mkay

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SPECIFICATION / TERMS & CONDITION FOR ELECTRICAL WORK

1. The work shall be carried out as per CPWD specifications 2005, amended up to date and Indian Electricity Rule 1956 amended up to date.
2. The contractor shall obtain prior approval from the Engineer in charge for the material to be used at site of work.
3. The contractor shall have to submit the completion plan in triplicate along with one set of tracing cloth / paper falling which Rs 1000/- will be deducted from the final bill.
4. The work shall be carried out in full co-operation with the other contractors working at site.
5. All inter connection shall be carried out with suitable lengths of cables, commensurate with current carrying capacity with solder less thimble. All earth connections with metal boards shall be made only with soldered thimbles lugs. Nothing extra shall be paid to the contractor on these accounts.
6. Modular type switches & sockets Anchor/ Bajaj (ISI) make shall only be used with suitable colour Hylam sheet cover with full "HYLAM" inscription on it. Nothing extra paid on this account. Colour of the sheet shall be got approved from the Engineer - in-charge.
7. The route of conduits are to be got approved from the Engineer-in-charge.
8. The drawing showing the arrangement of switch gears and dimensions for angle iron or sheet metal boards shall have to be got approved from the Engineer-in-charge before fabrication and installation at site work.
9. Earthing shall be carried out in presence of Engineer-in-charge or his authorized representative.
10. All damages done to the building during the execution shall have to be made good by the electrical contractor at his own cost and risk for which nothing extra shall be paid.
11. The contractor will have to arrange the removal of the Malba/debris etc. to the site decided by the Engineer-in-charge after each days work and nothing extra will be paid on this account. It will be the contractor's responsibility to keep the site neat and clean after completion of the work other wise the site shall be got clear at the risk and cost of the contractor.
12. The contractor will make his own arrangements for watch & ward of the materials and electrical installations until the work is completed and handed over to the department in full. No extra payment will be made to the contractor for the same.
13. The check nuts are to be provided on both ends of the conduits whenever it enters any metallic box, frame etc.
14. The contractor is bound to sign the site order book as and when required by the Engineer-in charge or his authorized representative.
15. Persons expecting the work should have electrical licence as required according to the Indian Electricity Act.
16. The contractor will have to submit the completion certificate as per Annexure-"E" of General specifications for electrical work, 2005. The prescribed test shall have to be conducted in the presence of Engineer-in-charge.
17. All AC switches & SDB's shall be numbered and other lettering work done on SDB's and main board as required by the Engineer -in - charge. Nothing extra shall be paid on this account.
18. Completed portion of the work shall not be taken over in parts unless otherwise agreed over by the Engineer-in-charge.

ADDITIONAL SPECIFICATION / TERMS & CONDITION FOR ELECTRICAL WORK

1. The work shall be carried out as per CPWD specifications , amended up to date and Indian Electricity Rule 1956 amended up to date.
2. The contractor shall obtain prior approval from the Engineer in charge for the material to be used at site of work.
3. The contractor shall have to submit the completion plan in triplicate along with one set of tracing cloth / paper failing which Rs. 1000/- will be deducted from the final bill.
4. The work shall be carried out in full co-operation with the other contractors working at site.
5. All inter connection shall be carried out with suitable lengths of cables, commensurate with current carrying capacity with solder less thimble, All earth connections with metal boards shall be made only with soldered thimbles lugs. Nothing extra shall be paid to the contractor on these accounts.
6. Modular type switches & sockets Anchor/ Bajaj (ISI) make shall only be used with suitable colour Hylam sheet cover with full "HYLAM " inscription on it . Nothing extra paid on this account. Colour of the sheet shall be got approved from the Engineer –in-charge.
7. The route of conduits are to be got approved from the Engineer-in-charge.
8. The drawing showing the arrangement of switch gears and dimensions for angle iron or sheet metal boards shall have to be got approved from the Engineer-in-charge before fabrication and installation at site work.
9. Earthing shall be carried out in presence of Engineer-in-charge or his authorized representative .
10. All damages done to the building during the execution shall have to be made good by the electrical contractor at his own cost and risk for which nothing extra shall be paid .
11. The contractor will have to arrange the removal of the Malba/debris etc. to the site decided by the Engineer-in-charge after each days work and nothing extra will be paid on this account. It will be the contractor's responsibility to keep the site neat and clean after completion of the work other wise the site shall be got clear at the risk and cost of the contractor.
12. The contractor will make his own arrangements for watch & ward of the materials and electrical installations until the work is completed and handed over to the department in full . No extra payment will be made to the contractor for the same .
13. The check nuts are to be provided on both ends of he conduits whenever it enters any metallic box, frame etc.
14. The contractor is bound to sign the site order book as and when required by the Engineer-in charge or his authorized representative.
15. Persons executing the work should have electrical licence as required according to the Indian Electricity Act.
16. The contractor will have to submit the completion certificate as per Annexure-"E" of General specifications for electrical work . The prescribed test shall have to be conducted in the presence of Engineer-in-charge.
17. All AC switches & SDB's shall be numbered and other lettering work done on SDB's and main board as required buy the Engineer –in – charge. Nothing extra shall be paid on this account.
18. Completed portion of the work shall not be taken over in parts unless otherwise agreed by the Engineer-in-charge.



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CENTRAL STATE FARM - SURATGARH

Rates are without cement

G.SCHEDULE AMOUNT (CIVIL) FOR CONSTRUCTION OF GODOWN					
SIZE : 63.00 Mtr X 21.00 Mtr (Based on DSR 2014)					
S.NO	ITEM OF WORK	UNIT	QTY	RATE	AMOUNT
1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m. All kinds of soil. Code No.- 2.28.1 (Page No. 75), DSR, CPWD 2014	SQM			
	TOTAL		1323.00	12.45	16471.35
2	Earth work by mechanical means (Hydraulic excavation)/manual means in foundation trenches or drains (not exceeding 1.5 mtr in width or 10 sqm on plan), including dressing of side & ramming of bottoms, lift upto 1.5 mtr, including getting out the excavated soil & disposal of surplus excavated soil as directed, within a lead	CUM			
	TOTAL		306.11	157.5	48212.33
3	Providing & laying cement concrete 1:4:8 in footing & bases for columns, excluding the cost of centring & shuttering. Code No. - (4.1.8) (Page No. 85), DSR, CPWD 2014	CUM			
	TOTAL		241.40	3366.15	812588.61
4	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in: Cement mortar 1:6 (1 cement : 6 coarse sand) Code No.- (6.1.2) (Page No. 111), DSR, CPWD 2014	CUM			
	TOTAL		115.32	4333.50	499739.22
5	Filling With avialable earth (excluding rock) in trenches or in plinth sides of foundations etc in layers not exceeding 20cm in depth consolidating each layer by ramming watering lead upto 50m and lift upto 1.5m. Ref. 2.25 + Lead upto 3 km	CUM			
	TOTAL		944.89	139.97	132256.25
6 (A)	Supplying chemical emulsion in sealed containers including delivery as specified. Chlorpyriphos/ Lindane emulsifiable concentrate of 20% : Code No. - 2.34.1 (Page No. 76), DSR, CPWD 2014	Ltr			
	TOTAL		225.00	185.95	41838.75
6 (B)	Diluting and injecting chemical emulsion for POST-CONSTRUCTIONAL anti-termite treatment (excluding the cost of chemical emulsion) : Along external wall where the apron is not provided using chemical emulsion @ 7.5 litres / sqm of the vertical surface of the substructure to a depth of 300 mm including excavation channel along the wall & rodding etc. complete: Code No. - 2.35.1.1 (Page No. 76), DSR, CPWD 2014	M			
	TOTAL		342.00	15.40	5266.80
7	Brick work with commom burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1Cement : 6 Course Sand) Code No. - 6.3.1 (Page No. 111), DSR, CPWD 2014	CUM			
	TOTAL		182.15	4796.05	873600.51
8	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) Code No.- 5.1.2 (Page No. 96), DSR, CPWD 2014	CUM			
	TOTAL		80.40	4030.20	324028.08



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CENTRAL STATE FARM - SURATGARH

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G.SCHEDULE AMOUNT (CIVIL) FOR CONSTRUCTION OF GODOWN					
SIZE : 63.00 Mtr X 21.00 Mtr (Based on DSR 2014)					
S.NO	ITEM OF WORK	UNIT	QTY	RATE	AMOUNT
9	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) : Code No.- 5.2.2 (Page No. 96), DSR, CPWD 2014	CUM			
	TOTAL		59.88	4709.30	281992.88
10	Centering and shuttering including strutting, propping etc. and removal of form for :Foundations, footings, bases of columns, etc. for mass concrete. Code No.- 5.9.1 (Page No. 97), DSR, CPWD 2014	SQM			
	TOTAL		1107.40	196.45	217548.73
11	Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers Code No.- 5.9.5 (Page No. 97), DSR, CPWD 2014	SQM			
	TOTAL		636.85	332.15	211529.73
12	Steel reinforcement for R.C.C work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above. Thermo-Mechanically Treated bars. Code No.- 5.22.6 & 5.22A.6 (Page No. 99), DSR, CPWD 2014	KG			
	TOTAL		15683.88	68.10	1068072.23
13	12 MM Cement plaster of Mix : 1:6 (1Cement : 6 Course Sand) Code No. - 13.4.2 (Page No. 222) DSR, CPWD 2014	SQM			
	TOTAL		1090.52	138.60	151146.07
14	20 MM Cement plaster of Mix : 1:6 (1Cement : 6 Course Sand) Code No. - 13.6.2 (Page No. 222) DSR, CPWD 2014	SQM			
	TOTAL		1509.32	173.60	262010.41
15	Finishing walls with water proofing cement paint of required shade. New work (Two or more coats applied @ 3.84 kg/10 sqm) Code No.- 13.44.1 (Page No. 225), DSR. CPWD 2014	SQM			
	TOTAL		1509.32	61.80	93275.98
16	White washing such as give an even shade : New work (two or more coats) Code No.- 13.39.1 (Page No. 225), DSR. CPWD 2014	SQM			
	TOTAL		1090.52	22.05	24045.97
17	Providing and fixing factory made ISI marked steel glazed doors, windows and ventilators, side /top /centre hung, with beading and all members such as F7D, F4B, K11 B and K12 B etc. complete of standard rolled steel sections, joints mitred and flash butt welded and sash bars tenoned and riveted, including providing and fixing of hinges, pivots, including priming coat of approved steel primer, but excluding the cost of other fittings, complete all as per approved design, (sectional weight of only steel members shall be measured for payment).Fixing with 15x3 mm lugs 10 cm long embedded in cement concrete block 15x10x10 cm of C.C. 1:3:6 (1 Cement : 3	KG			
	TOTAL	Approx	1972.00	114.15	225103.80



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CENTRAL STATE FARM - SURATGARH

Rates are without cement

<u>G.SCHEDULE AMOUNT (CIVIL) FOR CONSTRUCTION OF GODOWN</u>					
<u>SIZE : 63.00 Mtr X 21.00 Mtr (Based on DSR 2014)</u>					
S.NO	ITEM OF WORK	UNIT	QTY	RATE	AMOUNT
18	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregateCode No.- 11.36.1 (Page No. 182), DSR, CPWD 2014	Sqm			
	TOTAL		1597.25	259.85	415045.41
19	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new work :. Code No.- 13.61.1 (Page No. 227), DSR, CPWD 2014	Sqm			
	TOTAL		78.20	74.40	5818.08
20	Providing & fixing glass panes with putty and glazing clips in steel doors, windows, clerestory windows, all complete with thickness 4 mm :. Code No.- 10.30.1 (Page No. 176), DSR, CPWD 2014	Sqm			
	TOTAL		177.18	764.45	135445.25
21	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections. Code No.- 5.30 (Page No. 100), DSR, CPWD 2014	Rm			
	QTY		856.00	30.75	26322.00
(A) SUB TOTAL for Civil work					5806674.75
PART -B : ELECTRICALS					
(B) Sub Total for Electrical work					212499.00
TOTAL (A+B)					6019173.75
G.SCHEDULE AMOUNT					6019173.75



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CENTRAL STATE FARM - SURATGARH

G>SCHEDULE (Elect.) FOR CONSTRUCTION OF SEED STORAGE GODOWN

SIZE : 21.0 Mtr X 63.00 Mtr (Based on DSR 2014)

S.N o.	Description	Unit	Qty.	Rate	Amount. in (Rs.)
1	Supply 4 core x 10 sq mm Copper conductor PVC armed cable ISI Mark. <i>N.S Item</i>	M	100	350	35000
2	Supplying and fixing following way prewired SP&N MCB distribution board of steel sheet for 240 volts on surface/recess complete with loose wire box, terminal connectors for all incoming and outgoing circuits, duly prewired with suitable size FR PVC insulated copper conductor up to terminal blocks, tinned copper bus bar, neutral link, earth bar, din bar, detachable gland plate, interconnections, powder painted including earthing etc as required. (But without MCB/RCCB/ Isolator) 2+4 way, Double door Ref: DSR 2.7.4	ea	4	2508	10032
3	Supplying and fixing following rating, double pole, 240 volts, isolator in the existing MCB DB complete with connections, testing and commissioning etc, as required 40 amps. Ref: DSR 2.12.1	ea	4	218	872
4	Supplying and fixing 5 amps to 32 amps rating, 240/415 volts, "C" curve, miniature circuit breaker suitable for inductive load of following poles in the existing MCB DB complete with connections, testing and commissioning etc. as required. Single pole Ref: DSR 2.10.1	ea	16	169	2704
5	Wiring for light point/fan point/exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit, with modular switch, modular plate, suitable GI Box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor single core cable etc as required Group C. Ref DSR 1.10.3	ea	60	718	43080
6	Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required. 4x2.5sq mm + 2x2.5 sq. mm earth wire Ref: 1.14.7	M	25	210	5250
7	Wiring for circuit/submain wiring along with earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/recessed medium class PVC conduit as required. 2x2.5 sq.mm + 1x2.5 sq. mm Ref: 1.14.2	M	60	131	7860
8	Wiring for light/power plug with 4x4 sq.mm FR PVC insulated copper conductor single core cable in surface/recessed medium class PVC conduit along with 2 nos 4 sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required. 4x4 sq. + 2x4 sq mm power plug earthing Ref: DSR 1.13	M	15	275	4125
9	Wiring for light/power plug with 2x4 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit along with 1no 4 sq.mm FR PVC insulated copper conductor single core cable for loop earthing as required. Ref: 1.13	M	30	162	4860
9a	wiring with circuit submain/ wiring along earth wire with 2x1.5 sqmm + 1x 1.5 sqmm earth wire FRLS PVC insulated copper conductor. Single core in surface/recessed medium class PVC conduit as required. Ref: 1.14.1	M	150	106	15900
10	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc, as required. Ref: 1.24.1 5/6 amps switch	ea	6	81	486
11	Supplying and fixing following modular switch / socket on the existing modular plate & switch box including connections but excluding modular plate etc, as required. Ref: 3 pin 5/6 amp socket outlet	ea	6	96	576
12	Supplying and fixing suitable size GI box with modular plate and cover in front on surface or in recess, including providing and fixing 6 pin 5/6 & 15/16 amps modular socket out let and 15/16 amps modular switch, connection etc, as required.	ea	4	366	1464
13	Supply of industrial fluorescent tube fitting fabricated from CRCA sheet and finished with powder coating/ vitreous enamelled complete with accessories i.e. electronic choke tube with terminal block dully prewired with copper conductor including making connection etc. as required. T.L. fitting IGP 1414 FB Crompton make <i>N.S ITEM</i>	ea	40	1020	40800



NATIONAL SEEDS CORPORATION LIMITED

A Govt of India Undertaking- "Mini Ratna" Company

"ISO 9001:2008 & ISO 14001:2004 certified"

CENTRAL STATE FARM - SURATGARH

G>SCHEDULE (Elect.) FOR CONSTRUCTION OF SEED STORAGE GODOWN

SIZE : 21.0 Mtr X 63.00 Mtr (Based on DSR 2014)

S.N o.	Description	Unit	Qty.	Rate	Amount. in (Rs.)
14	P & F IP-43 protected street light luminaire on existing bracket suitable for FTL /TS lamps, housing made out from CRCA sheet steel finished with stove enamelled paint, having deep drawn aluminium alloy , powder coated canopy reflector cum control gear tray, UV stabilized clear ribbed acrylic diffuser held with synthetic gasket, min 6 nos. of toggles for securing acrylic cover with housing with all necessary accessories (Low loss copper choke, starter, starter seat) /Electronic choke prewired with PVC insulated copper conductor including making connection testing etc. as required (with tube rod.2x28 Watt EB				
	T-5 SFE 228 E B 2x28 WT5 Crompton make				
	N.S ITEM	ea	15	1600	24000
15	Installation , testing and commissioning of pre- wired, fluorescent fitting / compact fluorescent fitting of all types, with all accessories and tube etc. directly on ceiling / wall, including connection with 1.5 sq. mm FR PVC insulated , copper conductor , single core cable and earthing etc. as required.Ref : DSR 1.41				
		ea	40	69.5	2780
16	Earthing with G.I. earth pipe 4.5 metre long, 40mm dia including accessories, and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal/coke and salt as required. Ref: 5.2				
		ea	2	3385	6770
17	Providing and fixing 4.00 mm dia G.I. wire on surface or in recess for loop earthing as required. Ref: 5.17				
		M	60	99	5940
SUB TOTAL FOR ELECTRICAL WORKS				212,499.00	



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CENTRAL STATE FARM - SURATGARH

H.Schedudle for providing and fixing of support less roof of galvalame sheet for godown size of 21.00 x63.00 Mtr

The roofing system should be designed to with stand the wind load (as per IS 875 part-3) & Earth quake load (As per ISI 893). The design should also comply with any other relevant IS codes.

The steel sheet shall be 3'.0" (914 mm) width (tolerance +/-2mm which shall be curved and molded at site using mechanical press and dies to the desired curves and shape to form 2'.0" (605 mm) approximately wide interlocking panels. these panels shall be erected in position and their seams shall be interlocked panels. These panels shall be erected in position and their seams shall be interlocked and pressed to close the seam forming a water tight joint . Minor color chipping/scratching should be rectified by applying Epoxy lacquer. Necessary arrangement including the supply for the installation of fasteners at the end will be there in the scope of the vendor.

The installation should be done by mechanized methods. Vendor has to mobilize required number of Hydra for transportation of sheets and Cranes for the erection of Seamed Sheets.

Adequate precaution shall be taken by the Vendor during the installation process for the safety of their workers. Safety belts, helmets and other safety equipments for the execution of job must be used, wherever required. Working in height panels installation process shall not be carried out in case of wind velocity at site location is above 22 K.M./ Hrs.

The material of galvalame steel shall have the following specifications:

(a) **Material**

Imported Galvalame sheets with coating of Aluminum, Zinc and Silicon with following percentage:

Aluminum 55% Zinc: 43.5% Silicon 1.5%	Alloy Coated High Tensile steel.
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(b) **Technical details**

i. Standard- color Coated GALVALUME steel complying to ASTM A 792

ii. Base Metal Thickness -1.00 mm (Tolerance as +/-0.02mm)

iii. Alloy Coating – AZ 150 (Aluminum 55%,Zinc 43.5%,Silicon 1.5%.

iv. Yield strength -350m

v. Paint Coating- Coating Mass of AZ-150 Regular modified Polyester Top Coat 25 Micron & Bottom Coat 12 Micron.

vi. Color pattern- Combination of two colors (Ratio 50% each)

(C) **Inspection and testing**

Once the material is received by the agency in India the same will be inspected by the inspection team of SFCI and samples shall be drawn from the same.

Before the sheet is used for roofing at site, these samples will be tested at a reputed laboratory for the following:

- Thickness - 1.00mm
- Top coating- 25 micron & bottom coat. 12 micron
- Yield/Tensile Strength 350 m

Charges for the same if any shall be born by the agency/contractor.

Besides this the agency also need to submit the material test report from the steel mill supplier for each steel coil.

(d) Fixtures-: The fixtures like anchor fasteners. Standard Light Hungers. Turbo ventilators ,and skylights shall be designed to suit the requirement of SFCI Each godowns to have a combination of Turbo Ventilator (Aluminum) of size 24 inches Capacity 2200 CFM, with a Skylight of 2mm .Thick polycarbonate sheet of size 2 foot x 7 foot, to be installed at a distance of 30 foot along the length of the building.

TESTING OF MATERIAL

- Thickness
- Tensile strength
- Coating Mass AZ 150

Testing charges. If any, shall be born by the agency.

STANDARDS:- The Galvalame Steel Suppler shall be ISO certified and shall follow International standard for Galvalame sheet roofing.

Fixture:- The fixtures like fasteners, turbo ventilators translucent sheets shall be designed to suit the requirements of SFCI.

Supply & fixing Galvalame sheets roofing 1 mm thick round shape with turbo ventilators (64.0 M x 25 M)

1600
Sqm

ABSTRACT OF COST FOR ONE NUMBER = 1600 SQM @ 1600 Rs./Sqm = 2560000/-

Say Rupees 25.60 Lacs

Terms & Conditions

1. All the tools and plants will be arranged by the contractor.
2. Insurance of labour working at site will be done by the contractor.
- 3.Quantity of the work may increase or decrease.

Rate quoted by contractor _____% Above on G. schedule amount

Rate quoted by contractor _____% Below on G. schedule amount

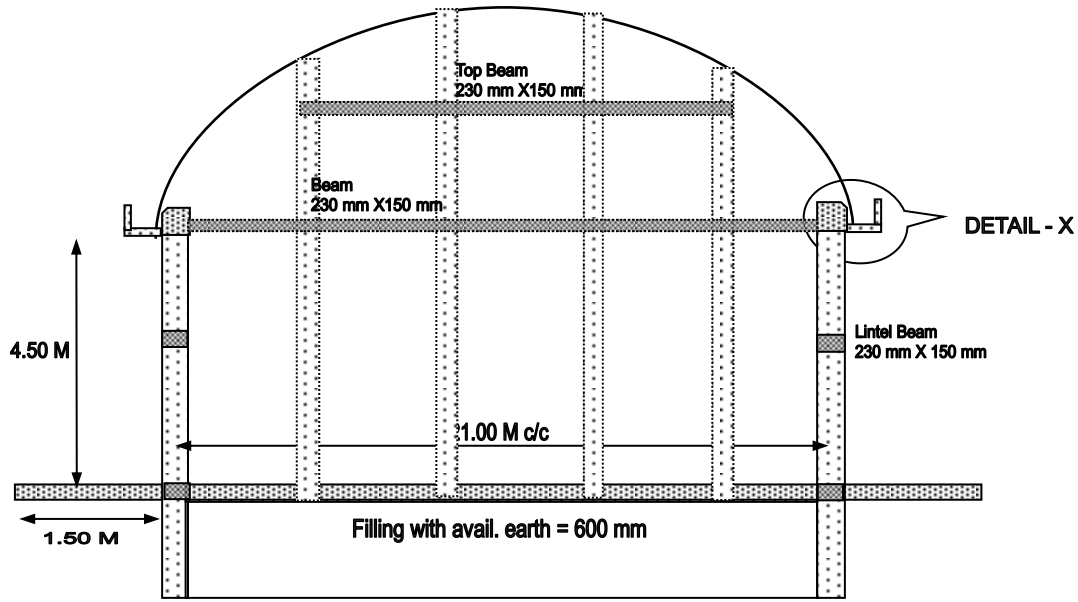
Name and Signature of Contractor



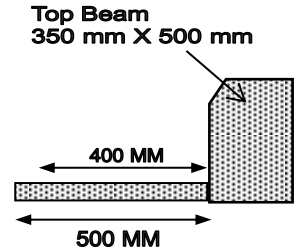
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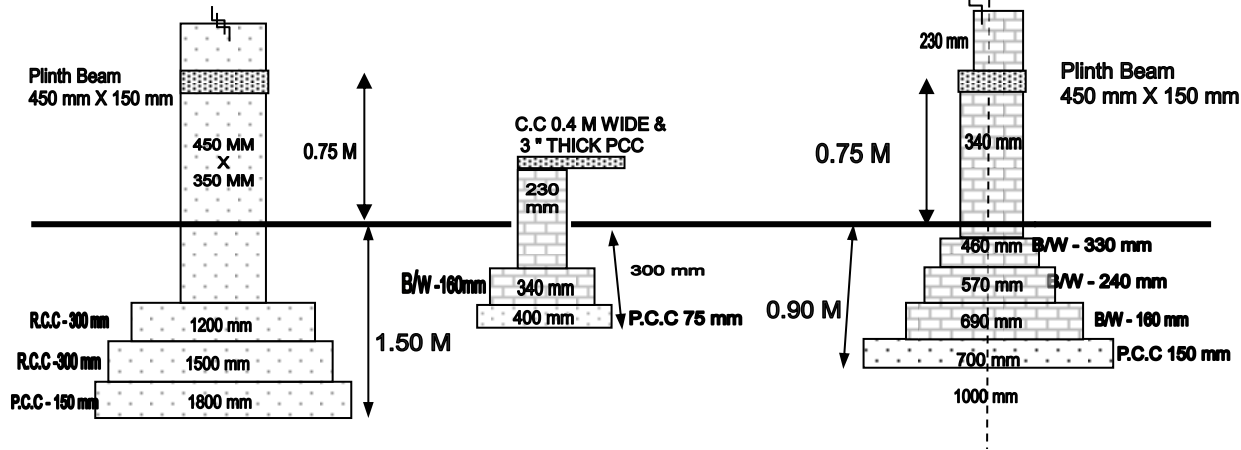
CENTRAL STATE FARM :- SURATGARH (Raj.)



Section A-A



DETAIL OF
TYPICAL SECTION 'X'



DETAIL OF
COLUMN FOUNDATION

DETAL OF PLINTH
PROTECTION

DETAIL OF
WALL FOUNDATION

Sign. **MANAGER (Engg.-C)**
CSF - SURATGARH

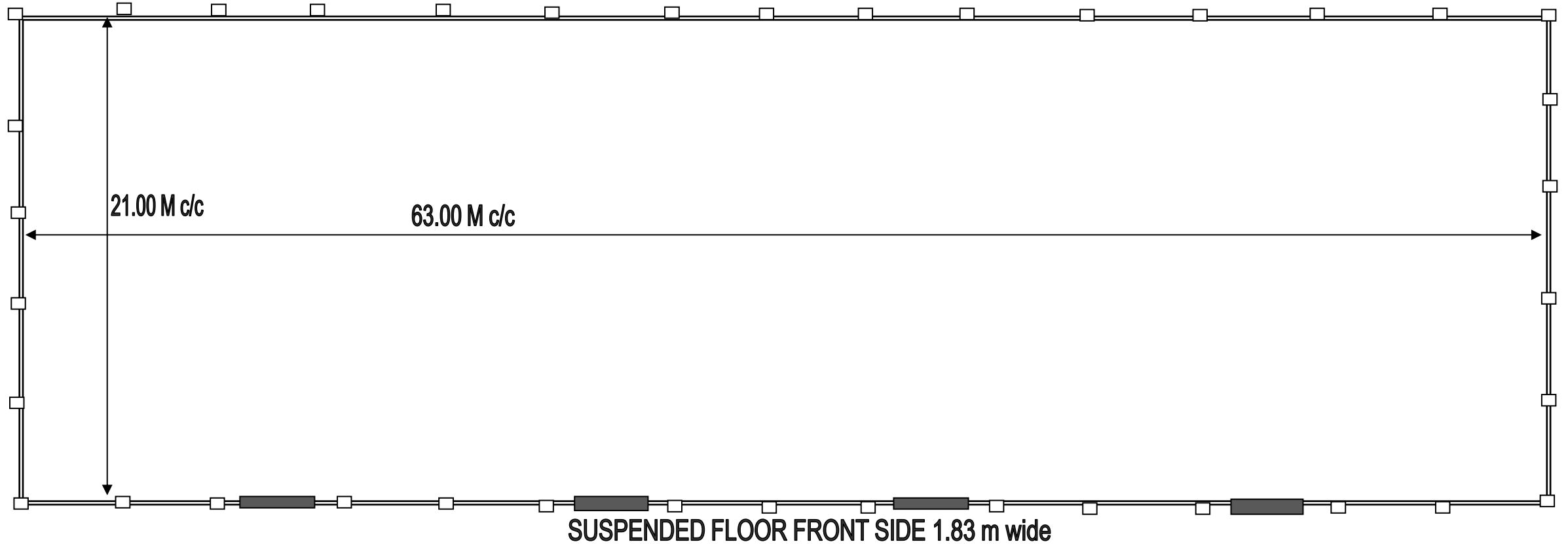
Sign. **J.E - CIVIL**
CSF - SURATGARH



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CENTRAL STATE FARM :- SURATGARH (Raj.)



PLAN OF SEED STORAGE GODOWN 63 m x 21 m

Sign. **MANAGER (Engg.-C)**
CSF - SURATGARH

