

INDIRA GANDHI AGRICULTURE UNIVERSITY

PROPOSED CONSTRUCTION OF SEED PROCESSING PLANT CUM SEED STORAGE GODOWN FOR C.A.R.S. (C.G.)

ABSTRACT SHEET

[As per P.W.D.- Building S.O.R. in Force From 1 Jan. 2015]

S.NO.	PARTICULARES	AMOUNT	
1	ESTIMATED COST OF SEED PROCESSING PLANT CUM SEED STORAGE GODOWN	Rs.	
TOTAL ESTIMATED COST (A)		Rs.	
SAY COST		Rs.	

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BOQ OF SEED PROCESSING PLANT CUM SEED STORAGE GODOWN FOR C.A.R.S. (C.G.)

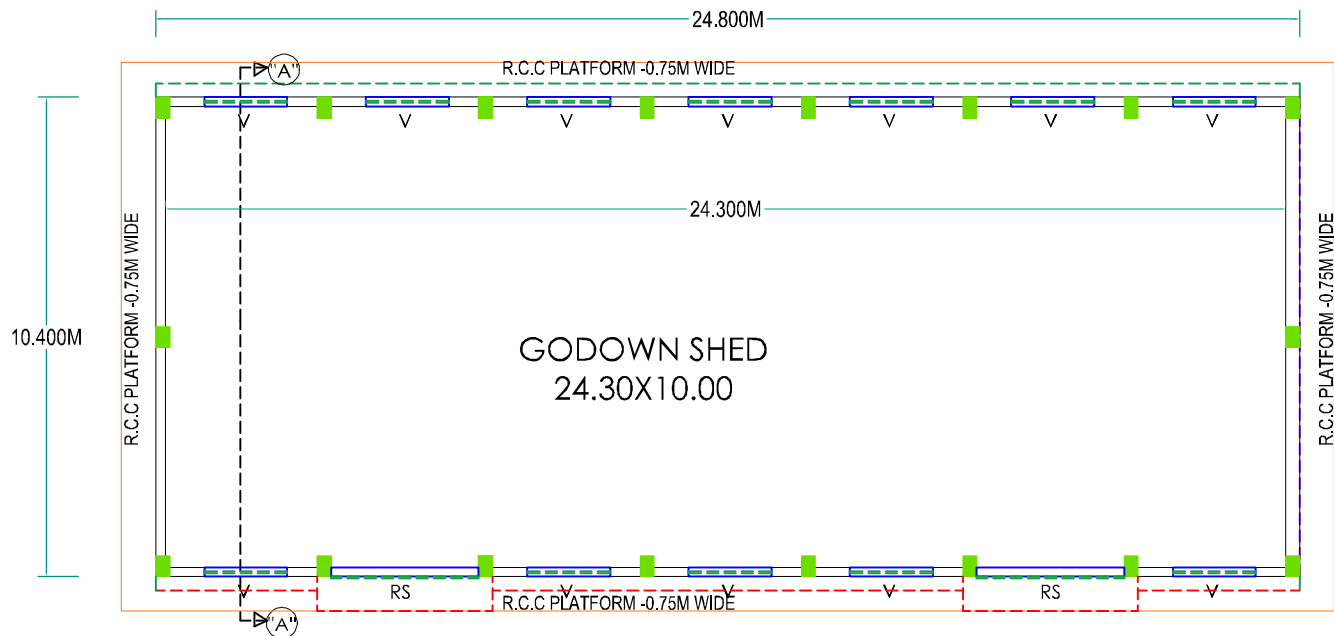
s.n	Particulars of item	Nos	L	B	H/D	Quantity	Unit	Rate	Amount
1	surface dressing of ground including rank vegetation grass etc								
		1	24.80	10.40		257.92	sqm		
2	Excavation of all type and size of foundation including disposal of excavated stuff upto 1.5m lift and 50m lead etc complete.								
	column	18	1.50	1.50	1.50	60.75			
	below GL	1	70.40	0.20	0.30	4.22			
						64.97	cum		
	a) Below 1.5M	18	1.50	1.50	0.50	20.25	cum		
3	Providing and laying nominal mix CC with 40mm stone aggregate using concrete mixer in foundation, plinth.								
	C.C. 1:3:6 with 40mm aggregate								
	column foundation	18	1.50	1.50	0.125	5.06			
	below GL	1	70.40	0.20	0.10	1.41			
	hall	1	24.30	10.00	0.125	30.38			
						36.85	cum		
4	Providing and laying design mix reinforced cement concrete with crushed graded stone aggregate 20mm nominal size using batching plant, transit mixer and concrete pump, in all works upto plinth level excluding cost of form work. 3.3.1 M-20 Grade								
	C.C. 1:1½:2:3 with 20mm aggregate								
	column	18	1.50	1.50	0.20	8.10			
		18	1.00		0.45	8.10			
	Up to GL	18	0.30	0.45	2.00	4.86			
	up to PL	18	0.30	0.45	1.50	3.65			
	G L Beam	1	70.40	0.20	0.20	2.82			
	P L Beam	1	70.40	0.20	0.30	4.22			
	G L Beam projection for verendah	22	0.75	0.20	0.30	0.99			
	L L & SLAB beam on walls	2	70.40	0.20	0.30	42.24			
	Column upto slab	18	0.30	0.45	8.00	43.20			
	plinth chajja	1	70.4	0.75	0.10	5.28			
	intel Chajja	2	28.30	0.45	0.08	4.25			
						127.70	cum		
5	Providing and placing in position reinforcement for RCC work								

s.n	Particulars of item	Nos	L	B	H/D	Quantity	Unit	Rate	Amount
	3.12.2 Thermo-Mechanically treated bars FE 500D								
	Item 5 @ 100 kg/cum					12770.00	Kg		
						Kg			
6	Providing and fixing form work i/c centering shuttering propping etc								
	a) Foundation, footing, base of colum, plinth beam								
	column upto GL	18x2	0.30	0.45	2.00	9.72			
	column upto PL	18x2	0.30	0.45	1.50	7.29			
	GL Beam	1x2	70.40	-	0.20	28.16			
	PL Beam	1x2	70.40	-	0.30	42.24			
	G L Beam projection for verendah	22	0.75	-	0.90	14.85			
						102.26	sqm		
	b) Column rectangular or square.								
	G F column up to roof	18x2	0.30	0.45	8.00	38.88			
						38.88	sqm		
	G F Lintel & Slab beam side	2x2	70.40	-	0.30	84.48			
						84.48	sqm		
	plinth chajja	1	70.4	0.75	-	52.80			
	f) Chajja	2	28.30	0.45		25.47			
						78.27	sqm		
7	Brick work with modular fly-ash bricks								
	a) Plinth and Foundation CM 1:6								
	below GL beam	1	70.40	0.20	0.30	4.22			
	upto PL	1	70.40	0.20	1.20	16.90			
	for steps (2 nos)	12	3.00	0.025	-	0.90			
						22.02	cum		
	c) super structure CM 1:6 GF	1	70.40	0.20	8.00	112.64			
						112.64			
	Deduction								
	V	24	1.80	0.20	0.45	3.89			
	R S	2	3.00	0.20	3.00	3.60			
						7.49			
	Net quantity					105.15	cum		
8	Providing and laying damp proof course 50mm thick with c.c. 1:2:4 including form work								
		1	70.40	0.20	0.05	0.70			
						0.70	cum		
9	Filling plinth and foundation with sand, crushed stone dust and hard moorum i								
	hall	1	24.30	10.00	1.40	340.20			
						340.20	cum		

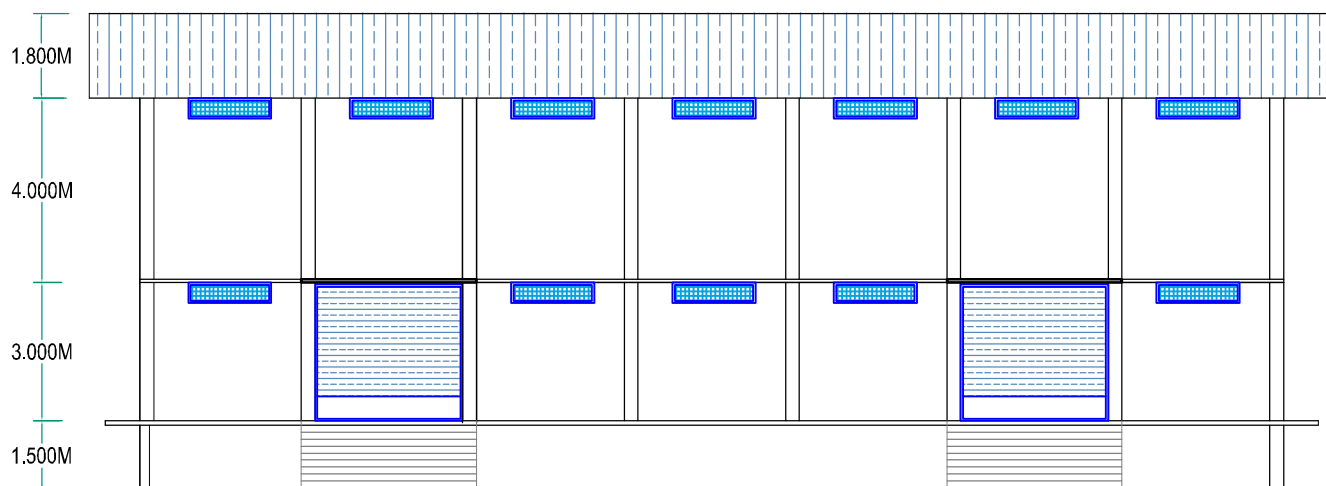
s.n	Particulars of item	Nos	L	B	H/D	Quantity	Unit	Rate	Amount
10	providing and fixing M.S. grill of approved pattern								
	Grill V	24	1.80	0.45	-	19.44			
						19.44	sqm		
	30 kg/ sqm	19.44		30		583.20	Kg		
11	Applying cement slurry on RCC slab or CC work								
		1	70.40	0.75	-	52.80			
						52.80	sqm		
12	12 mm thick plaster with CM 1:3 with a floating coat of neat cement								
	chajja top	2	28.30	0.20	-	11.32			
						11.32	sqm		
13	6 mm thick plaster with CM 1:3 .								
		2	28.30	0.75	-	42.45			
		2	28.30	0.45	-	25.47			
	total quantity					67.92	sqm		
14	12mm plaster with CM 1:5								
	Inner	1	68.60	-	8.00	548.80			
						548.80			
	Deduction	24	1.80	-	0.45	19.44			
		2	3.00	-	3.00	18.00			
						37.44			
	Net quantity					511.36	sqm		
15	15mm thick cement plaster with C.M. 1:5								
	outer plaster	1	80.60	-	8.00	644.80			
	for steps (2 nos)	12	3.00	0.450	-	16.20			
						661.00	sqm		
16	moulded mortar band in cement mortar 1:4 per cm width 18mm thick								
	in chajja	1	70.40	-	-	70.40			
						70.40	Rm		
17	Flooring with 25mm thick local flag stone flooring - hall	1	24.30	10.00	-	243			
	passage	2	28.30	0.75	-	42.45			
						285.45	Sqm		
18	Providing and fixing aluminium work door/ window / ventilator and partition								
	(A) for shutter of doors/ windows/ ventilator								
	V	24	1.80	-	0.45	19.44			
						19.44			

s.n	Particulars of item	Nos	L	B	H/D	Quantity	Unit	Rate	Amount
	6kg/sqm	19.44		6		116.64	Kg		
19	Glazing work for D/W/V	24	1.8	0.45	-	19.44			
						19.44	Sqm		
20	Providing and fixing Rolling shutter	2	3	3	-	18	Sqm		
	Providing and fixing 27.5cm Spring	2	3	-	-	6	No		
	Providing and fixing Ball bearing	2	3	-	-	6	No		
	Providing and fixing Top cover	2	3	-	-	6	Rm		
21	Distempering with acrylic washable distemper to give an even shade.								
	as per inner plaster 6mm					67.92			
	as per inner plaster 12mm					511.36			
						579.28	sqm		
22	Applying one coat of cement primer on wall surface								
	outer plaster 15mm					661.00			
	as per outer plaster 6mm					67.92			
						728.92	sqm		
23	Painting new exterior surface with PRIMMUM TEXTURED paint as per specification								
						728.92	sqm		
24	Supply and fixing of pre-coated galvanized iron profile sheets (size, shape and pitch of corrugation as approved by Engineer-in-charge) 0.50 mm +/- 5% total coated thickness (TCT), Zinc coating 120gsm as per IS: 277 in 240mpa steel grade, 5-7microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation and should be supplied in single length upto 12 metre or as desired by Engineer-in-charge.								
	Hall	1	287.68	Sqm..	-	287.7			
	(P.No.-91,C.N.10.11)					287.68	Sqm		

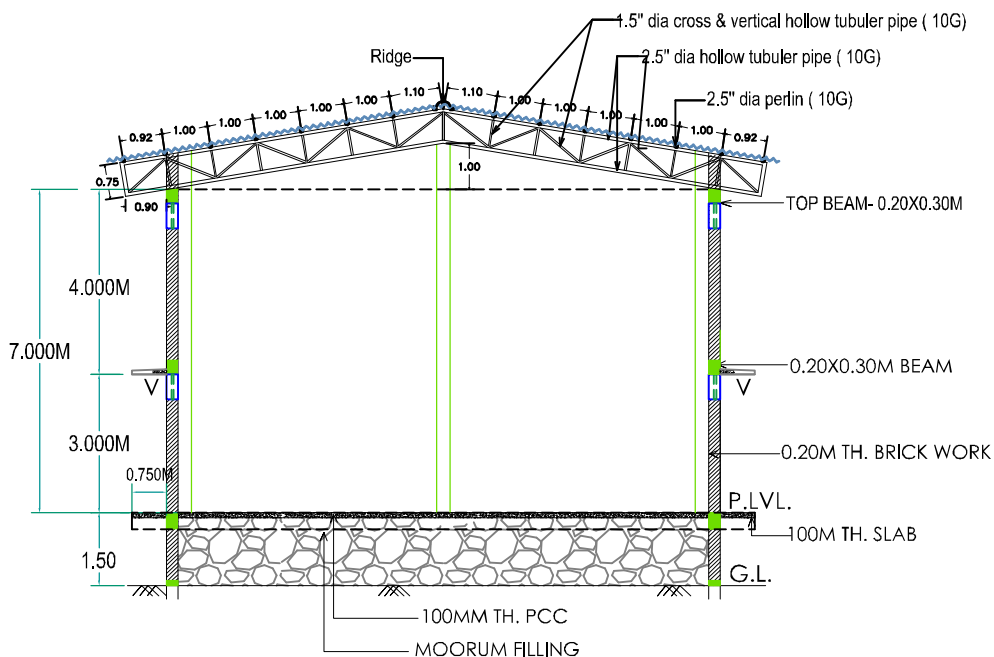
s.n	Particulars of item	Nos	L	B	H/D	Quantity	Uint	Rate	Amount
25	9.3 Steel work in tubular (round, square or rectangular hollow tubes etc.) structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc chromate primer. 9.3.1 Electric resistance or induction butt welded tubes Grade-250 kg 88.50+ 9.5 Extra for hoisting trusses and placing in position over height above 5m for every 2.5 m height or part thereof. kg 2.70 =91.20								
25A	(P.No.-80,C.N.9.2)	(15kg/ Sqm')				4315.2	Kg.		
25B	10.16.1 Ridges plain (500-600mm)	1	27	-	-	27.00	Mtr.		
25C	10.6..6 Gutter. (600 mm over all girth).	2	7	-	-	7.00	Mtr.		
26	painting on new work give an even shade with synthetic enamel paint								
	V	24	1.80	-	0.45	19.44			
	R S	2	3.00	-	3.00	18.00			
					X2	74.88	sqm		
						Total Rs.			
27	Add for internal & external Electrical work and Sanitary work - 3%							Rs	
TOTAL Rs.									



PLAN OF GODOWN



FRONT LEVATION



SECTION@ "AA"

CONSTRUCTION OF SEED PROCESSING PLANT CUM
SEED STORAGE GODOWN FOR C.A.R.S. AT

ASST.ENG.

S.P.P.

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