

Government of West Bengal Directorate of Forests

Office of the Principal Chief Conservator of Forests, Head of Forest Force Aranya Bhawan, Block: LA-10A, Salt Lake City, Sector - III, Kolkata:: 700 106

Phone - Fax:: (033) 2335 8581/7751, e-mail: pccfwb@vsnl.net





No: 99) / P&S (P)/3D- 176 /2018

Date: 24/01/2019

To

- : 1) The CCF / Hill/ Northern/Central /Western/ South-West/South-east/Wild Life(N)
 - 2) The CF/ Parks & gardens/ North-West/SC(N)/APM
 - 3) The Field Director, BTR/Joint Director, SBR
 - 4) The DFO Division.

Sub

: Administrative Approval of 167 nos. for construction of Beat Offices in different locations under Forest Directorate in the Financial Year 2018-19.

Sir,

With reference to the above, this is to inform you that the Finance Department, Government of West Bengal has approved the project for Construction of Beat Offices in different locations under the Forest Directorate and subsequently the Department of Forest has provided Administrative Approval for construction of 167 nos. Beat Offices in all Forest Divisions with a cost of Rs.12.766 lacs each.

In this connection you are hereby informed to direct all executing DFOs to go ahead with the work and float e-Tender immediately. The vetted plan and estimates is enclosed herewith for your ready reference.

All the DFOs/DCFs/DFD's are directed to immediately initiate the e-Tender & issue work order after the tender process is completed.

The Division wise target is enclosed with the letter.

Also the vetted estimate is being uploaded on the Departmental Website from where it may be downloaded.

Yours faithfully

(N.K. Pandey)

Principal Chief Conservator of Forests & HoFF' West Bengal

/ P&S (P)/3D- 176 /2018

Date: 24/01/2019

- 1) The Principal Chief Conservator of Forests, Wildlife, West Bengal
- 2) The Principal Chief Conservator of Forests, RM&D, West Bengal
- 3) The Chief Conservator of Forests, MIS for uploading the documents.

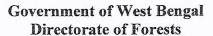
Principal Chief Conservator of Forests & HoFF West Bengal

Division wise target for construction of Beat Offices at different locations under Forest Directorate

SI No	Name of the Division	Unit Cost (In Rs.	201	8-19
		lakhs)	Phy	Fin.
1	Kangsabati (S)	12.766	4	51.066
2	Darjeeling Wildlife	12.766	7	89.36
3	Cooch Behar	12.766	2	25.533
4	BTR East	12.766	7	89.365
5	Nadia Murshidabad	12.766	3	38.29
6	Purulia	12.766	5	63.832
7	Kangsabati (N)	12.766	5	63.832
8	Howrah	12.766	2	25.533
9	Purulia Extn. Forestry	12.766	2	25.533
10	Durgapur	12.766	4	51.060
11	Barddhaman	12.766	5	63.832
12	Bankura(N)	12.766	8	102.132
13	DFD BTR (W)	12.766	5	63.832
14	Malda	12.766	2	25.533
15	Silviculture (S)	12.766	1	12.766
16	Jaldapara Wildlife	12.766	6	76.599
17	Kharagpur	12.766	5	63.832
18	Birbhum	12.766	5	63.832
19	Darjeeling	12.766	4	51.066
20	24 Parganas (North)	12.766	2	25.533
21	Kurseong	12.766	5	63.832
22	Jhargram	12.766	9	114.898
23	Medinipore	12.766	8	102.132
24	Rupnarayan	12.766	5	63.832
25	Working Plan (S) I	12.766	1	12.766
26	Purba Medinipore	12.766	4	51.066
27	Baikunthapur	12.766	6	76.599
28	Jalpaiguri	12.766	7	89.365
29	Jalpaiguri SF	12.766	2	25.533
30	24 Parganas (S)	12.766	3	38.299
31	Panchet	12.766	5	63.832
32	Raigunj	12.766	3	38.299
33	Kurseong Soil Conservation	12.766	2	25.533
34	NTFP	12.766	1	12.766
35	Silviculture (Hill)	12.766	2	25.533
36	Parks & Gardens (N)	12.766	2	25.533
37	Garumara Wildlife	12.766	4	51.066
38	Silviculture North	12.766	1	12.766
39	Siliguri SF	12.766	3	38.299
40	Bankura South	12.766	5	63.832
41	Kalimpomg	12.766	5	63.832
	Total		167	2131.99882

Principal Chief Conservator of Forest (HoFF)
West Bengal





Office of the Principal Chief Conservator of Forests, HoFF

Aranya Bhawan, Block: LA-10A, Salt Lake City, Sector - III, Kolkata: 700 106 Ph. # 2335-8581/7751, Fax # 2335-8756, E-mail. Pccfwb @vsnl.net,

Visit us at: westbengalforest.com

No.:

7543 /A&A/1A-454/2017

Dated: 14/11/2018

To

: The Member Secretary,

West Bengal Zoo Authority, 2nd Floor, KB-19, Sector-III, Salt Lake City, Kolkata-700106.

: Vetting of estimate in respect of Model Estimate and Plan for Construction works of Beat Office at West Bengal.

We acknowledge with gratitude the services offered by your organization in vetting of rates and technical of model estimate and plan for construction works for Beat Office of the estimates of departmental construction works as and when required.

I am sending herewith below mentioned model estimate and plan for construction works for Beat Office at West Bengal, with the request to set the estimates vetted by the Chief Engineer of your organization.

After vetting the same may kindly be returned to this office as early as possible, so that we can make arrangement of floating necessary e-tender.

Encl: Estimates for

1. Rs. 9,52,400.00

2. Rs. 3,24,246.00

Principal Chief Conservator of Forests & Head of Forest Force, West Bengal.

ESTIMATE FOR PROPOSED CONSTRUCTION OF BEAT OFFICE

[The Rate Based On P.W.D. Schedule Effect from 1st November , 2017]

SI. No	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
1 2	3(a)) Earth work in filling in foundation trenches or plinth with good earth	o.	10 1 2 1 1 1 1	1.350 2.145 6.290 4.470 4.155 5.355 5.605 1.200	1.350 0.400 0.400 0.400 0.400 0.400 0.800	1.200 0.225 0.225 0.225 0.225 0.225 0.225 0.225	21.870 0.193 1.132 0.402 0.374 0.482 0.504 0.216 25.174			7 3002.49
	etc. (a)Earth obtained from excavation of foundation. 1/5 the of the excavated earth.	on ne	10 1 1 1 1 1	1.350 4.145 2.325 2.755 1.525 1.200	3.050 1.105 2.145 2.145	0.075 0.450 0.450 0.450 0.450	5.68 1.15 2.65 1.47	56 59 72	n.	390.40

SI. No	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity	Unit	Rate (Rs.)	Amount (Rs.)
4	{ P.W.D. / Page No. 47 / Item No. 3						(m3)			
	}									
	Supplying and laying Polythene									
	Sheet (150gm / sq.m.) over									
	damp proof course or below flooring or roof terracing or in									
	foundation or in foundation						10			
	trenches.									
	For Column Footing		10	1.350	1.350		18.225	sgm.	-	
	For Tie Beam Bottom		1	2.145	0.400		0.858			
			2	6.290	0.400		5.032			
			1	4.470	0.400		1.788			29 9
			1	4.155	0.400		1.662			
			1	5.355	0.400	11-	2.142			
			1	5.605	0.400		2.242	1		
	Step		1	1.200	0.800		0.960			
			1	1.200	0.000		32.909		24.00	789.82
5	{ P.W.D. / Page No. 14 / Item No.		×				32,303	oqiii.	24.00	763.62
	11)									**
	Single brick flat soling of picked									
i la fi	jhama bricks including ramming and									. "1
	dressing bed to proper level and									
	filling joints with powdered earth or									
	local sand. Under Floor		1	4.145	3.050		12.642			
	Chack Floor		1	2.325	1.105		2.569			
			1	2.755	2.145		1			
							5.909	1		
			1	1.525	2.145		3.271	l		
			1	1.200	2.145		2.574		050.00	
6	P.W.D./Page No. 34 / Item No						26.966	sqm.	358.00	9653.82
ľ	22(A)(a)}	1								
	Cement Concrete with graded stone									
	ballast 40 mm size (Excluding									
	shuttering) etc.									2 -
	(A)Pakur variety (a) 1:3:6									
	proportion								į	
	For Column Footing		10	1.350	1.350	0.075	1.367	cu.m.		
1	Tie Beam Bottom		1	2.145	0.400	0.075	0.064			
			2	6.290	0.400	0.075	0.377			
l	27-56		1	4.470	0.400	0.075	0.134			
			1	4.155	0.400	0.075	0.125			
			1	5.355	0.400	0.075	0.161			
			1	5.605	0.400	0.075	0.168			
	Step		1	1.200	0.800	0.075	0.072	•		2
	Under floor		1	4.145	3.050	0.075	0.948	l		
.S			1	2.325	1.105	0.075	0.193			
		1		1		0.075	0.443	t .	i	

A

SI. No	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
			1	1.525	2.145	0.075	0.245			
			1	1.200	2.145	0.075	0.193			
7	CD W D/D W DO/W W	10					4.491	cu.m.	5128.00	23027.92
7	{ P. W. D./ Page No. 26 / Item No. 10(i)}									
	Ordinary Cement Concrete (mix									
	1:1.5:3) with graded stone chips (20									
	mm. Noninal size) excluding									
	shuttering and reinforcement, if any,					-				
	in ground floor as per relevent IS codes.									
	i) Pakur Variety									
	For Column Footing		10	1.200	1.200	0.200	2.880	cum.		
			10	The second second second	1.2+0.50x0.5		2.112			
	Column		10	0.250	0.250	5.140	3.213	•		
	For Tie Beam		1	2.145	0.250	0.350	0.188			
			2	6.290	0.250	0.350	1.101			
			1	4.470	0.250	0.350	0.391			
			1	4.155	0.250	0.350	0.364			
			1	5.355	0.250	0.350	0.469			
			1	5.605	0 250	0.350	0.490			
	Lintel		1	2.145	0.250	0.150	0.080			
			2	6.290	0.250	0.150	0.472			- 1
			1	4.470	0.250	0.150	0.168			
			1	4.155	0.250	0.150	0.156			
			1	5.355	0.250	0.150	0.201	•		e [‡]
	CL-"		1	5.605	0.250	0.150	0.210	1		
	Chajja		1x2	4.950	0.450	0.075	0.334			
			2x2	1.800	0.450	0.075	0.243	1		
l	*		2x2	1.500	0.450	0.075	0.203			
	Roof Beam		3x1	0.750	0.450	0.075	0.076			
	NOOI Bealli		1 2	2.145	0.250	0.225	0.121			
			1	6.290 4.470	0.250 0.250	0.225	0.708			
			1	4.155	0.250	0.225 0.225	0.251 0.234			
			1	5.355	0.250	0.225	0.234			
			1	5.605	0.250	0.225	0.301			
	Roof Slab		1	7.340	6.655	0.125	6.106	6 6		
	Less (-)		-1	4.395	1.450	0.125	-0.797			
17			-1	1.820	1.355	0.125	-0.308			
			•	1.020	1.000	0.120	20.280		5830.72	118246.16
							20.200	ouin.	0000.72	118240.10

A

	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
{ P.W.I (f)} Hire shutter (f) 25 without	D./Page No. 42/ Item No. 36 and labour charges for ring with centreing etc. mm to 30 mm shuttering at staging in foundation an Footing e Beam		10x4 1x2 2x2 1x2 1x2 1x2 1x2	1.200 2.145 6.290 4.470 4.155 5.355 5.605		0.200 0.350 0.350 0.350 0.350 0.350 0.350	9.600 1.502 8.806 3.129 2.900 3.74 3.92	9		
(a)} Hire	N.D./Page No. 42/ Item No. 3 and labour charges fering with centreing etc.	36 for		,			33.61	7 sqn	n. 209.00	7025.95
	el Soffits		1	2.450	0.250		0.6	13		
Line	Si Comico		1	1.105	0.250		0.2			
	D		1	1.200	0.125		0.1			
	W		2	1.500		M. S.	0.7	777		
	W1		3	1.20	0.250)	0.9			
	D2		1	0.75	0.250)	0.1	88		
	٧		2	0.60	0.250	0	0.3	800		
	D1		1		0 0.12	5	0.1	13		
	D2		1			5	0.0)94		
			1)			0.15	0 0.6	644		
Lin	tel Side		2			0.15	0 3.	774		
			1	2 4.47		0.15	50 1.	341		
				2 5.15		0.15	50 1.	547		
				2 5.3		0.15		607		
				x2 5.6	1	0.15	50 1.	682		
C	noile	- 1		x1 4.9		0.52		198		
	najja			x2 1.8		0.5	25 3.	780		
			1	x2 1.5		0.5	25 3	.150		
			1	x1 0.7		0.5		.181		
P	oof Beam			x2 2.1	1	0.2		.965		
	ooi bouin				90	0.2		.661		
				1	70	0.2		.012		
				1	55	0.2		.870		
			1		355	0.2		2.410		
					605	0.2	225 2	2.522		

No	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
	Roof Slab		1	7.340	6.655		48.848			
	Less (-)		-1	1.820	1.355		-2.466			
	Slab Side			1x2(7.340+	6.655)x0.1	25	3.498			
							92.603	sqm.	335.00	31022.12
10	{ P.W.D. / Page No. 43 / Item No. 40(a)(i)}									
	Reinforcement for reinforced concrete work in all sorts of									
	structures etc. II. Other than SAIL/ TATA/RINL									a 1
	.@ 1.50 % of volume of reinforced concrete									
	20.280 x 1.50/100 x 7850	kg = 2	387.97 k	g			2.387	M.T.	55776.00	133137.31
11	{ P.W.D./Page No. 15 / Item No.			Ī						
	8(a)} Brick work with 1st class bricks in									*_
	cement mortar (1: 6) (a) In foundation and plinth									
			1	2.145	0.250	0.400	0.215			
			2	6.290	0.250	0.400	1.258			9
			- 1	4.470	0.250	0.400	0.447	- 11		
			1	4.155	0.250	0.400	0.416		İ	
			1	5.355	0.250	0.400	0.536			
			1	5.605	0.250	0.400	0.561			
	Step		1	1.200	0.750	0.450	0.405			
							3.836	cum.	5306.00	20353.82
12	{ P.W.D./Page No. 15/ Item No 8(b)}									
	Brick work with 1st class bricks in cement mortar (1: 6) (b) In Super Structure								,	
			3	2.145	0.250	2.800	4 505	cum.		
			1	1.200	0.250	2.800	0.840			
8 -			1	4.145	0.250	2.800	2.902			
		1	1	3.050	0.250	2.800	2.135	1		
		1	1	1.570	0.250	2.800	1.099	1		
			1	5.605	0.250	2.800	3.924	1		
	Parapet Wall		2	5.605	0.250	0.075	0.210	1		İ
	- Spot Hull		2	6.290	0.230	0.075	0.210	1		
			2				1	1		
				5.605	0.250	0.075	0.210	1		
			2	6.290	0.250	0.075	0.236	ł		
	Less, Door (D2) (-)		-1	0.750	0.250	2.100	-0.394	1		
	Window (W) (-)		-2	1.500	0.250	1.350	-1.013	1		
	(W1) (-)		-3	1.200	0.250	1.350	-1.215	-1		
1							13.792	cu.m	5529.00	76257.70

SI. *	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
13	{ P.W.D./Page No. 16 / Item No. 16} 125 mm. thick brick work with 1st class bricks in cement mortar (4:1)		•							
	in ground floor.									
	in greatic need.		1	2.450		2.800	6.860	sqm		
			1	1.105		2.800	3.094			
			1	4.030		2.800	11.284			
10			1	2.145		2.800	6.006			
	Parapet Wall		2	5.605		0.600	6.726			
			2	6.290		0.600	7.548			
	Less D (-)		-1	1.200		2.100	-2.520			
100	D1 (-)		-1	0.900		2.100	-1.890			
	D2 (-)		-1	0.750		2.100	-1.575			
	Less Grill opening		-1	1.250		1.350	-1.688	-		
			-1	1.105		1.350	-1.492			
							32.354	sqm.	724.00	23424.12
14	{ P.W.D./Page No. 189 / Item No 1(ii)(c)} 10 mm thick cement sand plaster to wall,ceiling etc. (1:4)						-			
	Ceiling		1	2.575	1.355		3.489	sqm.		
	a		1	4.270	3.050		13.024			
	n		1	2.755	2.145		5.909			
	n		1	1.525	2.145		3.271			
			1	1.200	2.145		2.574			
							28.267	sqm	129.00	3646.47
15	{ P.W.D./Page No. 189 / Item No. 1(i)(b)} 20 mm thick cement sand plaster to wall (6:1) etc.									
	Wall (0.1) etc.			1x2(2 575	+1.355)x3	.175	24.955	sqm		
	·			1x2(4.270			46.482	2		
					+2.145)x3		31.11			
			-		+2.145)x3		23.304			
	1				+2.145)x3		21.240			
2.4				1	1	1	147.096	⊣	. 167.00	24565.03
16	P.W.D./Page No. 189 / Item N 1(i)(c)}	о.								
	15 mm thick cement sand plaster wall(6:1) etc.	to								
				1x2(6.355	5+7.040)x6	.125	164.08	8 sqm		
							164.08	sqm	. 145.00	23792.76

17 P.W.D.Page No. 64 / Item No. 35)	SI. No	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
Ceramic tiles in wails and floors to match with the existing work & 4 ns. of key stones (10mm) fixed with (A) Floor		{ P.W.D./Page No. 64 / Item No. 35)}	9 =								
1 2.145 1.525 3.271 sqm.		Ceramic tiles in walls and floors to match with the existing work & 4 nos. of key stones (10mm) fixed with (A) Floor With Sand Cement Mortar (1:4) 20 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white									
1 2.145 1.200 2.574 5.845 sqm. 746.00 4360.46	100	(i) Coloured decorative			152779						Branks a
(B) Walt With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m. & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m. (j) Coloured decorative Toilet 1x2(2.145+1.525)x2.100 15.414 1x2(2.145+1.200)x2.100 14.049 29.463 sqm. 749.00 22067.79 18 { P.W.D.J.Page No. 66 / Item No. 36} Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 800 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) (I) With application slurry @1.75 kg/ Sq.m., 20 mm sand cement mortar (1:4), 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment. (A) Deep Colour & White 1 2.875 1.655 4.758 sqm. 1 4.570 3.350 15.310 1 3.055 2.445 7.469 3 1.200 0.400 1.440											
(B) Wall With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m. (f) Coloured decorative Toilet 1x2(2.145+1.525)x2.100 15.414 sqm. 1x2(2.145+1.200)x2.100 14.049 29.463 sqm. 749.00 22067.79 18 { P.W.D./Page No. 66 / Item No. 36} Supplying and laying true to line and level vritified tiles of approved brand (size not less than 600 mm x 600 mm x 500 m				1	2.145		1.200			740.00	4000.40
With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement surry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @ 0.20kg/Sq.m. (a) Area of each tile upto 0.09 Sq.m. (f) Coloured decorative Toilet 1x2(2.145+1.525)x2.100 15.414 sqm. 1x2(2.145+1.200)x2.100 14.049 29.463 sqm. 749.00 22067.79 18 { P.W.D./Page No. 66 / Item No. 36} Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) (i) With application sturry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) (ii) With application sturry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment. (A) Deep Colour & White 1 2.875 1.655 4.758 sqm. 1 4.570 3.350 15.310 1 3.055 2.445 7.469 3 1.200 0.400 1.440		(B) Wall				100		5.845	sqm.	746.00	4360.46
(i) Coloured decorative Toilet 1x2(2.145+1.525)x2.100 15.414 14.049 29.463 sqm. 749.00 22067.79 18 { P.W.D./Page No. 66 / Item No. 36} Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) 8.2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m, white cement for joint filling with pigment. (A) Deep Colour & White 1 2.875 1.655 4.758 1 4.570 3.350 15.310 1 3.055 2.445 7.469 3 1.200 0.400 1.440		With Sand Cement Mortar (1:3) 15 mm thick & 2 mm thick cement slurry at back side of tiles using cement @ 2.91 Kg/Sq.m & joint filling using white cement slurry @									
18 { P.W.D.J.Page No. 66 / Item No. 36} Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) (I) With application slurry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) & 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment. (A) Deep Colour & White 1 2.875 1.655 4.758 sqm. 1 4.570 3.350 15.310 1 3.055 2.445 7.469 3 1.200 0.400 1.440											
18 P.W.D.J.Page No. 66 Item No. 36 Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement mortar (1:4) (I) With application slurry @1.75 kg/ Sq.m, 20 mm sand cement mortar (1:4) & 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment. 1	150	Toilet	-					15.414	sqm.		
\$\begin{array}{cccccccccccccccccccccccccccccccccccc					1x2(2.145	+1.200)x2.1	100		1		
Sq.m, 20 mm sand cement mortar (1:4) & 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement for joint filling with pigment. (A) Deep Colour & White 1 2.875 1.655 4.758 sqm. 1 4.570 3.350 15.310 1 3.055 2.445 7.469 3 1.200 0.400 1.440	18	No. 36} Supplying and laying true to line and level vitrified tiles of approved brand (size not less than 600 mm X 600 mm X 10 mm thick) in floor, skirting etc. set in 20 mm sand cement						29.463	sqm.	749.00	22067.79
1 2.875 1.655 4.758 sqm. 1 4.570 3.350 15.310 1 3.055 2.445 7.469 3 1.200 0.400 1.440		Sq.m, 20 mm sand cement mortar (1:4 & 2 mm thick cement slurry at back side of tiles, 0.2 kg/ Sq.m white cement fo)								
1 4.570 3.350 15.310 1 3.055 2.445 7.469 3 1.200 0.400 1.440		(A) Deep Colour & White									
1 3.055 2.445 7.469 3 1.200 0.400 1.440				1	2.875	1.655		4.758	sqm		
3 1.200 0.400 1.440											
				1							
				3	1.200	0.400			-	1605.00	40116.10

A

SI. a	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
	{ P.W.D./Page No. 192 / Item No. 15} Neat cement punning about 1.5 mm thick in wall etc.									
	Toilet			x2(7.040+	6.355)x0.6	300	16.074	sqm	34.00	546.52
20	{ P.W.D./Page No. 114 / Item No. 1(d)} Wood work in door and window frame fitted and fixed complete etc.							3		¥.
	(d) Sal : Local.									
	Door (D)		1	5.400	0.100	0.075	0.041	cu.m.		
	(D1)	10.41	1	5.100	0.100	0.075	0.038			6446.50
21	{P.W.D./Page No. 117 / Item No. 1(iii)(b)} Panel shutter of door and window as per design. (iii) 35 mm thick shutters with 19	20					0.079	cu.m.	77671.00	6116.59
	mm thick panel. (b) Sishu, Gamar, Champ, Badam,Bhola, Mogra, Hallak.									
	D1		1	1.075 0.775		2.050 2.050	2.204 1.589			
22	{ P.W.D./Page No. 117 / Item No 8} Supplying , fitting and fixing in position approved P.V.C. door frame (matt finish) made of extruded P.V.C. multichamber hollow section etc.					,	3.793	sqm.	2948.00	11180.29
	, , , , , , , , , , , , , , , , , , ,		2	4.950			9.900			
23	{ P.W.D./Page No. 134 / Item No 27} P.V.C. door shutter - 30 mm thick: Supplying, fitting and fixing P.V.C. door shutter of	•					9.900	RM	279.00	2762.10
	approved quality and shade in nosition etc		2	0.750		2.050	3.075 3.075	1	2127.00	6540.53

SI. No	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
	{P.W.D./Page No.104 / Item No. 13									
	(a)(ii)) M.S. or W.I. ornamental grill of									
	approved design etc.									
	(ii) Grill weighing above 16									
	kg/sq.m. and above.									
	verandah		1	1.200		2.100	2.520			
			1	1.250		1.350	1.688			
			1	1.100		1.350	1.485	1		
	W		2	1.500		1.350	4.050			
	W1		3	1.200		1.350	4.860			
	V		2	0.600		0.450	0.540 15.143			
		15	143 cam v	@ 18 kg/s	sq.m. = 272	574 kg	2.725	Qnti.		19200.35
25	{P.W.D./Page No.233 / Item	-	. 143 Sqiii X	@ 10 kg/:	54.111. – 212	.574 kg.	2.725	Grid.	7040.00	19200.55
1 20	No. 1}									
	Supplying profiles of required							1275		
	section made of Aluminium Alloy									
	Extrusions conforming to IS: 732-1983 and IS: 1285-1975									
	1983 and IS: 1285- 1975 Annodized (with required film									
	thickness and specified colour									
	natural) matt finished conforming to									
	IS: 1868-1983 for fabrication of		4-2-5				-			
	composit door, sliding & casemen		F., 17				200			
	windows, partitions, formed of basic	9								
	(A) In 10-12 Micron thickness	s								
	Annodizing film									
	Natural white b) 3- track sliding window									
	i) Bottom frame						ı	ı	1	
	W		2x1	1.500			3.000	Iм	1	
	W1		3x1	1.200			3.600			
							6.600	М	311.00	2052.60
	ii) Top and side frame. W		2x1	1.500			3.000	М		
			2x2	1.350			5.400			
	W2		3x1	1.200			3.600			
			3x2	1.350			8.100			
			"-				20.100	М	270.00	5427.00
	d) Shutter for all track slidin window.	g								3 127,00
	i) Bottom & Top member.									
	W		2X3X2	0.500			6.000	М		
	W1		3X3X2	0.400			7.200			-
		ĺ					13.200	М	117.00	1544.40

	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
ii) Style side member.									
I	V		2X3X1	1.350			8.100			
1	W1		3X3X1	1.350			12.150			
							20.250	М	119.00	2409.75
	ii) Interlock member.									
	W		2X3X1	1.350			8.100			
- 1	W2		3X3X1	1.350			12.150			
-							20.250	М	148.00	2997.00
26	{P.W.D./Page No.239 / Item No									
	2}									
	Labour charge for fabrication and	d								
	installation of composite door,		de la la	0.425		94-57-4	440	and the		
	window, partitions made from	n		1						
	annodized extruded alloy aluminium	n				1				
	sections for the following units:-									2.5
	(A) Glazed aluminium slidir	a								
	windows made of extruded ar	d								
	annodized alloy aluminium section									
	fabrications, including cutting	to								
	proper shape and size, drilling ar	nd								
	aligning of window shutter fran	ne								
	fitted with in built ii) 3 /4 track sliding window.									
			1 0	1.500		1.350	4.050	sqn	1.	
	W		2			1.350				
	W1		3	.1.200		1.550	8.910	sqn	n. 941.00	8384.31
27	{P.W.D./Page No.242 / Item N 6 }	lo.						,		
	Supplying PVC rollers for slidi	na								
	windows as per direction	of								
	Engineer in charge.									
				5x3x	2		30	No	s 14.00	420.00
28	{P.W.D./Page No.242 /Item No. 7]						124-48-49			
	Supplying maruti lock (100mm)									
				5x3x	1		15	Pa	air 46.00	690.00
29	{P.W.D./Page No. 242 / Item 8}	No.								
	Supplying EPDM gusket	of								
	approved make and brand as	per	1	1						
	direction of Engineer in charge.									
	b) 'U' shaped EPDM gasket	for								
	frames.						44.40	١.		
			2	1			11.40		М	
			3	5.10	0		15.30	_		
							26.70	U	VI 15.00	400.50

a	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
31	P.W.D./Page No.243 / Item No. Supplying bubble free float glass of approved make and brand conforming to IS: 2835-1987. ii) 4mm thick coloured / tinted smoke glass. W W1 {P.W.D./Page No. 198 / Item No. 5} Rendering the Surface of walls an ceiling with White Cement bas WATER PROOF wall putty approved make & brand.(1.5 m thick) Quantity same as 10 mm Plaster Quantity same as 20 mm Plaster (P.W.D./Page No. 195 / Item No. 7) Applying Interior grade Acrylic Primer of approved quality and brand on plastered or cencrete surface old or new surface to receive Distemper/ Acrylic emulsipaint including scraping and preparing the surface throughly, (a) One Coat	d ee of m	2 3	1.500		1.350 1.350	4.050 4.860 8.910 28.267 147.096 175.363	_		4169.88 21394.31
3	i) Water based interior grade Acr Primer Quantity same as 10 mm Plaster Quantity same as 20 mm Plaster (P.W.D./Page No. 196 / Item						28.26 147.09 175.36	96	gm 30.80	5401.19
	8(a)} Applying exterior grade Acrylic primer of approved quality and brand on plastered or concrete surface old or new surface etc. (a) One Coat Quantity same as 15 mm thick plaster						164.0	88 s	qm 31.4	0 5152.36

	Description of item	M.F.	No.	L	(m.)	B (m.)	D (m.)	Quanti (m3)	101	it Ra	te (Rs.)	Amount (Rs.)
4 {	P.W.D./Page No. 201 / Item No. 4(a)} Applying Acrylic Emulsion Paint of approved make and brand on walls and ceiling including sand papering in intermediate coats including putty (to be done under specific instruction of Superintending Engineer): (Two coats) ii) Luxury Quality Quantity same as interior Interior grade Acrylic primer. {P.W.D./Page No. 197 / Item No. 17(b)} Protective & Decorative Acrylic Exterior Emulsion Paint of approversity.	c						175.3	63 so	qm	70.00	12275.43
36	quality etc. (b) Premium 100% Acryl Emulsion Quantity same as 15 mm this plaster {P.W.D./Page No. 200 / Item N 1(b)} Priming one coat on timber or plastere surface with synthetic oil bound primer etc.	o. d						164.	880	qm	84.00	13783.39
37	D D1 (P.W.D./Page No. 200 / Item N 1(a)) Priming one coat on Steel or of metal surface with synthetic oil bo primer of approved quality includes moothening surfaces by sand paper	her und ling		1	1.200 0.900		2.10	0 4.9	552 914 466	sqm.	38.00	435.71
	etc	1.		1 1 1 2 3 2	1.200 1.250 1.100 1.500 1.200 0.600		2.10 1.33 1.33 1.33 1.34 0.44	50 50 50 50 50	2.520 1.688 1.485 4.050 4.860 0.810 15.413		29.00	446.96

il. Vo	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
38	{P.W.D./Page No. 200 / Item No. 2(A)(iv)}		30 A							
	Painting with best quality synthetic enamel paint of approved make and brand etc.									
	(a) On Timber or Plastered Surface.									
	(iv) Two Coats (With any shade except white)			,						
	timber or plastered surface (b) On Steel or other meta						11.466	sqm.	81.00	928.75
	Surface. (iv) Two Coats (With any shade									
	except white) Steel or other metal surface						15.413	sqm.	79.00	1217.59
39	23/P-68 (S&P) Supply of UPVC pipes (B Type) & fittings conforming to IS-13592									
	1992 (A)(i) Single socketed 3 m. length									
	(b) 110 mm		2	4.500			9.00	R.M.		
			1	6.000			6.00			
							15.00	R.M.	292.00	4380.00
	(B) Fittings									
13	(x)Bend 87.5 °							Each	120.00	720.00
en e	(b) 110 mm						6	Each	120.00	720.00
	(ix)Bend 45 ° (b) 110 mm						2	Each	89.00	178.00
	(xvi) Pipe Clip									270.00
- 1	(b) 110 mm						12	Each	21.00	252.00
	(iii) Door Tee (b) 110 mm						2	Each	195.00	390.00
	xv) Vent Cowl									
	(b) 110 mm						2	Each	33.00	66.00
	xvii) W.C. Connector (150 mm long 125 X 110(W/WC Ring) 75 mm	3)					2	Eact	142.00	284.00
40		5								
	Iron butt hinges of approved quali fitted and fixed with steel screw									
	with ISI mark. (vii) 100mmx58mmx1.9mm						14	Eac	h 47.00	658.00

SI.	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
No	{P.W.D./Page No. 145 / Item No. 28									
	(a)} Anodised aluminium Aldrop / Sliding bolts of approved quality manufactured from extruded section conforming to I.S. specification (I.S 2681/66) fitted and fixed complete. (i) 250mm x 16mm dia bolt. {P.W.D./Page No. 144 / Item No. 26} Anodised aluminium barrel / tower			e			2	Each	233.00	466.00
	extruded section conforming to 1.5									
	204/74 fitted and fixed with cadmium plated screws: (ix) 300mm long x 10mm dia. bolt.						2	Eacl	99.00	198.00
	(viii) 200 mm long,12 mm dia. Bolt			A PARTICIPATION OF THE PARTICI			2	Eac	78.00	156.00
	(iv) 150mm long x 10mm dia. bolt.			T. C.			4	Eac	h 63.00	252.00
				And Assessed Control						
43	30 } Supplying ,fitting & fixing Anodis Aluminium D-Type Handle approved make etc.						8	No	s 85.00	680.00
4	19(ii) } (ii) Door stopper (Anodia									
	aluminium)	Company (Consumo					2	Ea	ch 70.00	140.00
2	Construction of septic tank different capacities as per approduced drawing with 1st class brick work in cement moderated (1:4) including two 560 mm R.C.C. manhole cover(heatype) of approved make supposited and fixed in the 100mm thin R.C.C. (1:1.5:3) top slab necessary fittings, 20mm cement plaster (4:1) with cement finish to the integrated and 15 mm thick center (i) For 10 users A) With Pakur variety.	ortar dia. eavy lied, ck with thick neat ernal					1	E	ach 3497	71.00 34971.00

l. 0	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
47	4 /P-89 (S&P) Construction of circular soak wel 2.5 metre deep in all types of sandy soils with dry brick work upto 1.6 metre from the bottom having 150 mm intermediate cement brick wor (1:4) band all round and cemer brick work etc. (SAIL/TATA/RINL) 2 /P-87 (S&P) Constructing Inspection pit to depth of 1.5 metre (inside), 250 m thick 1st class brick work (1:4) in sides over a layer of jhama bri soling and 150 mm thick cemer concrete with stone chips (1:3) including necessary earth wo fitting and fixing approved type S. master trap, constructing mason	a mallick nt 6), rk, W.		@			1	Eacl	16130.00	16130.00
	invert with cement concrete (1:1.5:3) with stone chips, plaster inside and outside etc. A) With Pakur varie (SAIL/TATA/RINL)	ing					2	Ea	ch 11531.	23062.00
	Supplying, fitting and fixing 10 porcelain low-down cistern of approved make with either side bottom inlet, side overflow, brack complete with all internnal fittings. White 1/P-41 (S&P)	e or kets PVC					2	E	ach 2297.	00 4594.00
And the second s	Wash basin vitreous china approved make (without fittings) supplied, fitted and fixed in poson 75mm X 75 mm X 75 mm X 10 blocks and C.I. brackets inclutive coats of painting of brackets. (ii) 550 mm X 400 mm size 2/P-79 (S&P) Supplying, fitting and fixing E	sition vood uding C.I.					2	Para	Each 1383	2766.0
	in white glazed vitreous china of approved make comple position with necessary bolts, etc. (a) With 'P' trap	te in						2	Each 142	1.00 2842.0

SI. No	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
51	7/P-6 (S&P)									
	Supplying, fitting and fixing bib cock or stop cock. (a) (i) Chromium plated Bib Cock short body (Equivalent to Code No. 511 & Model - Tropical / Sumthing Special of ESSCO or similar brand).						2	Each	539.00	1078.00
52	19 /P-45 (S&P)									
	Supplying, fitting and fixing pillar cock of approved make. a) (i) CP Pillar Cock - 15 mm. (Equivalent to Code No. 507 & Model - Tropical / Sumthing Special of ESSCO or similar brand).						2	Each	555.00	1110.00
53	9 /P-43 (S&P)									
54	Supplying, fitting and fixing approved brand P.V.C. CONNECTOR white flexible, with both ends coupling with heavy brass C.P. nut, 15 mm dia. (ii) 450 mm long 7/P-6 (S&P)						6	Each	82.00	492.00
04	Supplying, fitting and fixing bib cock or stop cock.									
55	(d) (i) Chromium plated angular Stop Cock with wall flange (Equivalent to Code No. 5053 & Model - Florentine of Jaquar or similar brand). 15 /P-81 (S&P)						6	Each	815.00	4890.00
	Supplying, fitting and fixing bevelled edged mirror 5.5 mm thick silver red as per I.S. 3438 / 1965 together with brass C.P. hinges.									
	(i) 450 mm X 300 mm 10 /P-81 (S&P) Supplying, fitting and fixing Closet seat of approved make with lid and C.P. hinges, rubber buffer and brass screws complete. (a) E.W.C.					ŀ	2	Each	367.00	734.00
	(i) Plastic (hallow type) black						2	Each	302.00	604.00

No	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
	a .									
magni popularista sa sa sa manana de la manana	22 /P-82 (S&P) Supplying, fitting and fixing towel rail with two brackets. (a) C.P. over brass (i) 25 mm dia. and 450 mm long 10 /P-43 (S&P)						2	Each	384.00	768.00
	Supplying, fitting and fixing approved brand 32 mm dia.P.V.C. waste pipe, with PVC coupling at one end fitted with necessary clamps.			8			4	Foob	F0 00	226.00
	(ii) 750 mm long						4	Each	59.00	236.00
59	6/P-80(ii) S & P Supplying , fitting and fixing flat back urinal (half stall urinal) in white vitreous chinaware of approved make in position with brass screws on 75 mm x 75 mm wooden blocks complete.							and the same and this are not provided in the same and the same and the same and the same and the same and the		×
	(ii) 470 mm X 280 mm X 340 mm						2	Each	945.00	1890.000
-	19 (II) /P-13 (S&P) Supplying, fitting and fixing PVC pipes for underground work of approved make of Schedule 80 (medium duty) conforming to ASTMD - 1785 and threaded to match with GI Pipes as per IS 1239 (Part - I). with all necessary									
	accessories specials viz PVC Pipes									
	15 mm				· Constitution of the Cons		10	R.M.	117.00	1170.00
	20 mm	,					15	R.M.	1	1
61	25 mm 6 /P-37 (S&P) Supplying P.V.C. water storage tanl of approved quality with closed top with lid (Black) - Multilayer						20	R.M.	191.00	1
62	(a) 500 litre capacity { P.W.D. / Page No. 45 / Item No. 8	8					1	Each	2584.00	2584.00

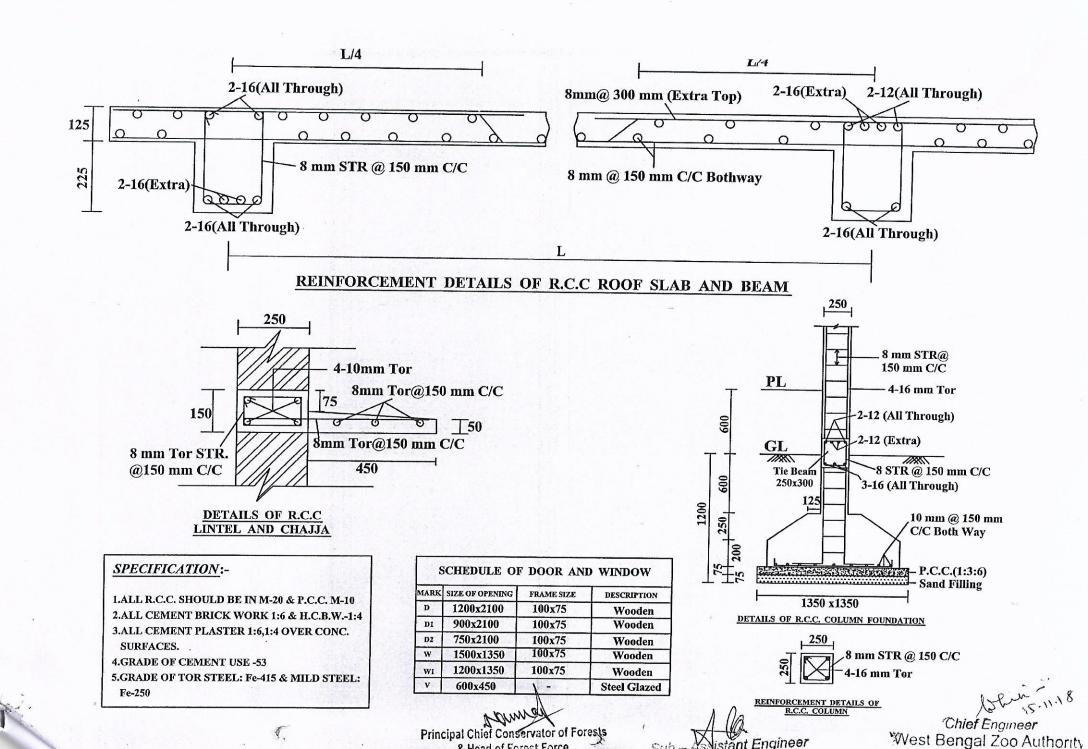
	Description of item	M.F.	No.	L (m.)	B (m.)	D (m.)	Quantity (m3)	Unit	Rate (Rs.)	Amount (Rs.)
	a) Applying 2 coats of bonding agent with synthetic multi functional rubber emulsion having adhesive and water proofing properties by mixing with water in proportion (1 bonding agent: 4 water: 6 cement) as perManufacturer's specification									
	Roof Slab		1	7.040	6.355		44.739	sąm.		Name of the state
	Less (-)		-1	4.395	1.450		-6.373			many populari
			-1	1.820	1.355		-2.466	-1		
							35.900	sqm.	88.00	3159.23
63	{ P.W.D./Page No. 47/ Item No. 4 } 40 mm. thick damp proof course with cement concrete (1:1.5:3) (with graded stone chip 20 mm nominal size) with water proofing compound of approved brand						0.57			
			1	34.310	0.250		1	8 sqm		Name of the last o
	Roof Treatment		1	7.040	6.355		44.73	1		
	Less (-)		-1	4.395	1.450		-6.37 -2.46			
			-1	1.820	1.355			-1	. 290.00	12898.58
			<u> </u>		<u> </u>		44.47	8 sqm	OTAL (Rs.	
							Add @ 1		r GST (Rs.	
					-		744 6 1		OTAL (Rs.	
							Add @		r Cess (Rs.	
-				<u></u>					TOTAL (Rs.	
									SAY (Rs.	

Sub - Assistant Engineer West Bengal Zoo Authority

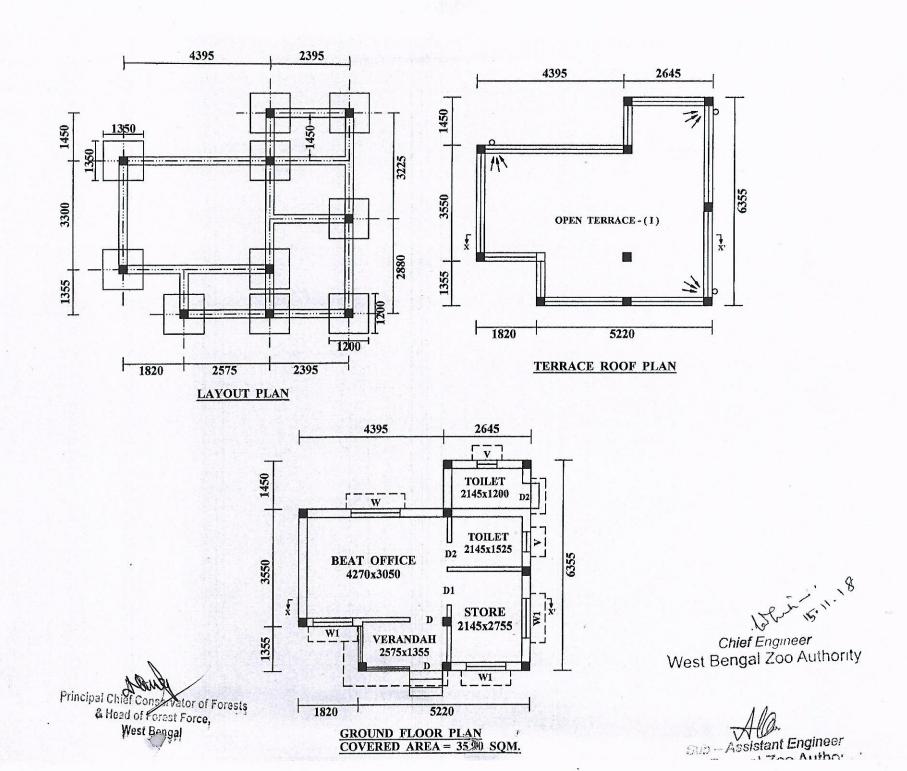
Eshmate Technically prietted for 185 4,52,400 et

Chief Engineer
West Bengal Zoo Authority

Principal Chief-conservator of Forests & Head of Forest Force, West Gengal



& Head of Forest Force,



UNSHEATHED SINGLE CORE STRANDED COPPER WIRE AT NEW CONSTRUCTED BEAT OFFICE

ITEM	OFFICE				
NO.	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
	PWD REFERENCE : E2, 1(b)				
	Supplying and fixing polythene pipe complete with fittings as				
	necy. under ceiling/beam, bound with 22 SWG GI binding wire				
	incl. supplying and drawing 1x18 SWG GI Wire as fish wire				
1	inside the pipes and fittings and providing 50 mm dia disc of				
	MS sheet (20 SWG) having colour paint at one face fastened				
	at the load point end of the polythene pipe with fish wire				
<i>p</i> .	(synchronizing with roof/beam casting work of building				
0	construction)	8			
	19mm dia 3mm thick Polythene Pipe	1200	MTS	36.00	43200.00
	PWD REFERENCE : E2, 3(b)			30.00	43200.00
	Cutting channel of 40 mm x 40 mm size on masonry wall incl.		E ==		
	S&F heavy gauge polythene pipe dia as stated below, by			- N	
2	means of iron hooks and supplying and drawing 18 SWG GI				
	Wire as fish wire incl. mending good damages to building				
	works				
	19 mm dia 3 mm thick polythene pipe with 1x14 SWG GI earth continuity wire				
	PWD REFERENCE : E4, 10(c)	800	MTS	89.00	71200.00
	Supplying & Fixing CRC sheet metal (16 SWG) JB-cum-				
	Switch Board of the following sizes complete with three no.				
	suitable size Copper bar with holes (for Ph, N & E) fixed on), I#
	bakelite/Hard Rubber insulator over the MS welded chairs incl.			- C - V	
3	bakelite/Perspex/coloured Perspex (wall matching colour) top				
	cover 3 mm thick flushed in wall for housing the board after				
0	cutting the brick wall incl. making earthing attachment,	-			
	painting and mending good damages to building works				
	200 mm x 150 mm x 65 mm	12	NOC	277.00	2224.00
	PWD REFERENCE : E6, 20(b)	12	NOS.	277.00	3324.00
4	Supplying & Fixing two way CI Round box with cover				
	concealed in ceiling/wall	36	NOS.	32.00	4452.00
	PWD REFERENCE : E9, 1(b), 1(e), 1(h), 1(k), 1(a1)	30	1403.	. 32.00	1152.00
	Supplying and Drawing 1.1 KV single core stranded 'FR'				
	PVC insulated & unsheathed single core stranded copper wire				14
	(Brand approved by EIC) of the following sizes in the prelaid				
	polythene pipe and by the prelaid GI fish wire and making				
	necy. connection as required				
5	3 x 22/0.3 (1.5 sqmm)	200	MTS	48.00	0600.00
	3 x 36/0.3 (2.5 sqmm)	100	MTS		9600.00
	3 x 56/0.3 (4 sqmm)	80		74.00	7400.00
	3 x 84/0.3 (6 sqmm)		MTS	106.00	8480.00
		60	MTS	209.00	12 540.00
	4x84/0.3 (6 sqmm) + 2x56/0.3 (4 sqmm) as ECC				
	to adminit as ECC	40	MTS	276.00	11 O 40.00

	Jistn. wiring in 22/0.3 (1.5 sqmm) single core stranded 'FR'				
	insulated & unsheathed single core stranged connectuits				
19	(Brand approved by EIC) in 19 mm bore, 3 mm thick polythen				
2	pipe complete with all accessories embedded in wall to				
81	6 light/fan/call bell points with Modular type switch (Brand				
1	approved by EIC) fixed on Modular GI switch board with top				
1	cover plate flushed in wall incl. mending good damages to				
/	original finish				
	2x22/0.3 (Ph. & N) and 1x22/0.3 as ECC				
	Average run 8 mtr				
\vdash		48	POINT	1002.00	
	PWD REFERENCE : E20, 3(iv)	-	FOIN	1093.00	52464.00
	Distn. wiring in 22/0.3 (1.5 sqmm) single core stranded 'FR'				
	FVC insulated & unsheathed single core stranded conner wise				
	(braid approved by EIC) in 19 mm hore 3 mm thick not the				
	pipe complete with all accessories embedded in wall to 240 kg				
	JOA'S pill plug point incl. S&F 240 V 6A 3 pin Modular turns				
	plug socket & Wodular type switch (Brand approved by 510)				
	incl. Sor earth continuity wire, fixed on 4 Modulo Glavitals				
	board with 3/4 Module top cover plate flushed in wall incl.				
	mending good damages to original finish				
	2x22/0.3 (Ph. & N) and 1x22/0.3 as ECC				
-	Average run 4.5 mtr	1 42			
	PWD REFERENCE: E17, 6(a)	12	POINT	938.00	11256.00
	Supply & Fixing 240 V, 10 A, 2(Two) way Modular type				
8	switch (approved make) on existing GI Modular switch				
	board naving top cover plate and making necessary				
	connections as required			1.1	
	PWD REFERENCE : E17, 4(a)	60	EACH	108.00	6480.00
	Supply & Fixing 240 V, 6A, 5 pin Modular type plug				
	Socket (Brand approved by FIC) without switch 8 min				
9	top, on existing GI Modular type switch board with top				
	cover plate and making necy. connections with PVC Cu				
	wire and earth continuity wire etc.				
-	wite etc.				
	PWD REFERENCE: E18, 9(b)	12	EACH	120.00	1440.00
	Supply & Fixing 240 V, 16 A, 3 pin Modular type plug				
	socket (Brand approved by EIC) with 16A Modular type				
10	switch, without plug top on 4 March 1 and Modular type				
10	switch, without plug top on 4 Module GI Modular type				
	switch board with top cover plate flushed in wall incl.				
	S&F switch board and cover plate and making necy.				
	connections with PVC Cu wire and earth continuity wire etc.				
		6	EACH	456.00	
	PWD REFERENCE: E19, 17		EACH	456.00	2736.00
	Supply & Fixing 240 V, 25 A, Modular type starter (Brand				
	approved by EIC) with 25A Modular switch type DP MCB (CCurve)				
11	and 4 Module GI Modular type switch board with 4				THE CONTRACT PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS
	Module top cover plate flushed in wall incl. S&F switch board				
	and cover plate and making necy. connections with PVC Cu				
	wire and earth continuity wire etc.	4	FACU	70.	
			EACH	784.00	3136.00

1	WD REFERENCE : E19, 20				
1	Supply & Fixing 240 V, 25A Modular starter (Brand approved		2		
1	by EIC) on existing GI Modular type switch board with top				
	cover plate and making necy. connections with PVC Cu wire				
	and earth continuity wire etc.	4	EACH	307.00	1228.0
	PWD REFERENCE : E19, 21			1 007.00	1110.0
	Supplying & Drawing LAN cable (CAT6) (Brand approved by		T		
13	EIC) in prelaid PVC rigid conduit/ in polythene pipe embeded				
	in wall.				
		100	MTS	28.00	2800.00
	PWD REFERENCE : E19, 22				
	Supplying & Drawing 2-pair Telephone cables with high				
	density polyethylene insulated solid annealed high conductivity bare copper of dia 0.5mm in prelaid PVC rigid conduit/ in	_ *			
14	polythene pipe embeded in wall.				
0	polytione pipe embeded in wall.				đ
		100	MTS	16.00	1600.00
	PWD REFERENCE : E18, 13				
	Supply & Fixing 240 V, 3 nos. 16 A, 3 pin Modular type plug				
	socket with 3 nos. 16A Modular type switch (Brand approved				
15	by EIC), 20A Modular switch type SP MCB (C-Curve) and				
13	Indicator without plug top on 2 row 12 Module Gl Modular type				
	switch board with 2 row 12 Module top cover plate flushed in				
	wall incl. S&F switch board and cover plate and making necy. connections with PVC Cu wire and earth continuity wire etc.				
	continuity wire etc.				
	DWD DEFENDING TAX TAX	6	EACH	1620.00	9720.00
	PWD REFERENCE : E18, 7(a) Supply & Fixing Modular trap BIAE stable (c. CATS)				
16	Supply & Fixing Modular type RJ45 sitable for CAT6 cable (Brand approved by EIC) on existing PVC board				
(1 	and top cover plate on wall and making necessary				
0	connections as required	- 1			
E		4	EACH	107.00	428.00
9	PWD REFERENCE : E18, 7(b)				
1	Supply & Fixing Telephone socket (RJ11) Modular type		7		
17	(Brand approved by EIC) on existing GI Modular board				
	having top cover plate and making necessary				
	connections as required				
		4	EACH	96.00	384.00
	PWD REFERENCE : E18, 10				
	Supply & Fixing 240V, Modular Socket (2 Module) type fan				
	regulator (Step type) (Brand approved by EIC) on existing				
	Modular GI switch board with top cover plate incl. making				
18	necy. connections etc.				3
			80		
		8	EACH	387.00	3196.00

9	res complete with three no. suitable size Copper bar with				
100	holes (for Ph, N & E) fixed on bakelite/Hard Rubber insulator				
1	wer the MS welded chairs incl. top cover flushed in wall for				
6	housing the board after cutting the brick wall incl. making				
,9	earthing attachment, painting and mending good damages to				
1	building works				
1	4 Module	6	SET	261.00	1566.00
	6 Module	6	SET	332.00	1992.00
	8 Module	4	SET	406.00	1624.00
	12 Module	2	SET	523.00	1046.00
	PWD REFERENCE: E17, 3(a)		1	7 20.00	2010.00
	Supply & Fixing 240 V 6 A Modular type switch (Brand				
20	approved by EIC) on existing GI Modular type switch				1 1 1
	board having top cover plate and making necessary				
	connections as required	6	FACIL	02.00	402.00
		6	EACH	82.00	492.00
	PWD REFERENCE : E17, 4(a) Supply & Fixing 240 V, 6A, 5 pin Modular type plug				
21	socket (Brand approved by EIC), without switch & plug				
	top, on existing GI Modular type switch board with top				
	cover plate and making necy. connections with PVC Cu				
	wire and earth continuity wire etc.	6	EACH	120.00	720.00
	PWD REFERENCE : G1, 2(b)				
	Earthing with 50 mm dia GI pipe 3.64 mm thick x 3.04 Mts.				
	long and 1 x 4 SWG GI (Hot Dip) wire (4 Mts. long), 13 mm dia				
	x 80 mm long GI bolts, double nuts, double washers incl. S &				
	F 15 mm dia GI pipe protection (1 Mts. long) to be filled with				
22	bitumen partly under the ground level and partly above ground				
22	level driven to an average depth of 3.65 Mts. below the ground				
	level as below:				
	By TATA-Medium GI pipe				
		2	SET	1524.00	3048.00
	PWD REFERENCE : G2, 4(b)				ана на
23	Supplying & fixing earth busbar of galvanized (Hot Dip) MS flat				T T T T T T T T T T T T T T T T T T T
25	40 mm x 6 mm on wall having clearance of 6 mm from wall				Population
	including providing drilled holes on the busbar complete with				The state of the s
	GI bolts, nuts, washers, spacing insulators etc. as required	2	MTR	194.00	388.00
	PWD REFERENCE : G2, 3(a)				
	Extra for providing masonery enclosure on the top of the earth				and a superior and a
	electrode of overall size 86.36 cm x 86.36 cm x 46 cm deep				o year
24	(below Ground level) complete with cemented brick work(1:6)				
	of 25 cm width duly plastered with cement morter (inside) CI				
	hinged inspection cover of size 36.56 cm x 35.56 cm with				
	locking arrangement, GI reducer including drilling of 46 nos.				
	12 mm dia holes on the GI pipe	2	ITEM	915.00	1920.00
	PWD REFERENCE : G2, 3(b)		I I EIVI	913.00	1830.00
	Extra for treatment of soil by using salt & charcoal or coke for				
25	plate electrode .	***************************************			and the second
					en en en en en en en en en en en en en e
		2	ITEM	513.00	1026.00

	D REFERENCE : G2, 5(a)(i)			7	
15	connecting the equipments to earth busbar including S & F GI				
1	(i)ot Dip) wire of size as below on wall/floor with staples buried				
5	inside wall/floor as required and making connection to				
10	equipments with bolts, nuts, washers, cable lugs etc. as				
	required and mending good damages				
	(a) Solid GI wire				
	No. 4 SWG	75	MATC	10.00	1
	PWD REFERENCE : D11, 15	/3	MTS	18.00	1350.0
	Supplying and fixing double door Vertical TPN MCB				
	Distribution board for MCCB incomer with IP-42/43				
	protection, on angle iron frame on wall & mending good				
27	the damages to original finish incl. Inter connection with				
27	suitable size of copper wire and neutral link & provision				
	for earthing attachment				
	Legrand				
A	Up to 160A				
	4 way Enclosure (607913)		- NO		
	PWD REFERENCE : D8, 10	1 1	NO.	8627.00	8627.00
	Supplying and fixing 415 V Four Pole MCCB of				
	Breaking capacity 25kA/35kA with fixed thermal	: D8, 10 g 415 V Four Pole MCCB of 5kA/35kA with fixed thermal / adjustable thermal and fixed existing DBs / enclosure and		The same of	
28	and fixed magnetic / adjustable thermal and fixed	Average and the			
28	magnetic setting in existing DBs / enclosure and				
	necessary connection				5
	Legrand				
	63 A				
	PWD REFERENCE : D7, 8	11	NO.	7071.00	7071.00
	Supplying and fixing 240/415 V MCB of Breaking				
00	capacity 10kA & C characteristics on din rail of				
29	existing DBs and necessary connection				
	Legrand		- de de la company		
	6-32 A SPN				
	NON SCHEDULE WORK	12	NO.	546.00	6552.00
3	Supply, Laying and dressing of 3.5x35 sqmm XLPE, AR, ALU cable in				15.6
300	underground trench as per IS specifications				
31	Cable end termination with all materials 3.5x35 sqmm	50	MTS	315.00	15750.00
2	Top & Bottom cable entry box of MCB TPN DB	2	Nos.	250.00	500.00
33	For Electric supply meter connection charges etc.	2	Nos.	480.00	960.00
	GRAND TOTAL	11	Job	5000.00	5000.00
199			1	1	224246 00

RUPEES THREE LAC TWENTY FOUR THOUSAND TWO HUNDRED FORTY SIX ONLY.

N.B. A) All electrical conductor wires must be FRLs Quality.

B) Colour coding must be applied for point/circuit/Sub-main/ Main line etc.

i) Colour of Phase - Red, Yellow, Blue

ii) Colour of Neutral - Black

iii) Colour of Earth - Green

C) The wiring throughout the installation no joints in wiring will be Velted for 20 3,24,246=00 permitted and no break in Neutral/Earthwire.

Principal Chief Conservator of Forests & Head of Forest Force, West Bengal

Chief Engineer West Bengal Zoo Authority

Eshimote is Technically

Sub - Assistant Engineer West Bengal Zoo Authority