



PLASSEY COLLEGE

Estd.-2010

(affiliated to the University of Kalyani)

Mira Bazar, P.O.-Plassey, Kaliganj Block, Dist.-Nadia, Pin-741156, West Bengal, India.



Ref. No.....

Date.....

NOTICE INVITING TENDER NO. 03 OF 2023-24 (2nd Call) Dated 15.07.2023

E-Tenders are hereby invited by the undersigned for the following work from eligible agencies as per particulars given below:

- 1) Name of work : Construction of Annex Building (Lintel to Ground Floor Slab)
- 2) Name of the Concerned Office : Plassey College, P.O.-Plassey, Dist - Nadia, Pin- 741156
- 3) Estimated amount : Rs. 2665591.00 (inclusive of all taxes)
- 4) It is noted here that the construction work indicated in Item No -5 & 6 of the estimate has been completed by an entrusted agency who withdraws the tender for continuing the work. So, the rates defined for Item No-05 & 06 in the estimate have been eliminated. Hence, you are requested to read the estimated amount as Rs. 2665591.00 in place of Rs. 2858544.00.
- 5) Time of Completion of work : 60 days from the date of acceptance of Work Order
- 6) Contractors eligible to submit tenders : Bona-fide contractors & NGOs having GSTIN, PAN and I. Tax return certificate (A.Y.,19-20,20-21,21-22)
- 7) Place for submission of Tender document : Through www.wbtender.gov.in
- 8) Date of Publication of NIT : 17.05.2023, 11.00 a.m.
- 9) Last date & time limit for submission of Tender : 28.07.2023, 2:00 p.m.
- 10) Date & time for opening of tender : Technical Bid- 31.07.2023, 2:00 p.m.
Financial Bid- To be notified later
- 11) Earnest money : Rs. 53312.00
- 12) Validity of the Tender : The offer will remain valid for acceptance for 120 days from the date of receipt of tender
- 13) Conditional tender will be liable for rejection.
- 14) Cost over-run and consequent cost escalation for any material, labour, etc. will not be allowed.
- 15) No Ad-Interim Payment /mobilization advance/ secured advance will be allowed.
- 16) In case of inadvertent typographical mistake found in the specific price schedule of rates, the same will be treated to be so corrected as to confirm with the prevailing relevant schedule of rates and/ or technically sanctioned estimate.
- 17) Interested agencies are required to quote the rate in figure as well as in words mentioning percentage above/ below or AT PAR on the basis of relevant price schedule of probable items with approximate quantities.
- 18) Contractors shall have to comply with the provisions of (a) the contract Labour (Regulation Abolition) Act, 1970 (b) Apprentice Act 1961 and (c) Minimum Wages Act, 1948 or the modification there or any other laws relating thereto and the rules and order issued there under from time to time.
- 19) The payment will be made in two installments. First R.A. bill may be paid after completion of reinforcement job for concrete floor slab work (including distribution of bars, stirrups, rod binding etc.) according to the M.B. and second & final payment may be paid after the completion of entire project including brick work and plastering work and to the satisfaction of the college construction committee. Contractors are requested to quote their rates accordingly. All the payment shall be made vide online transfer or account payee cheque.


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- 20) The interested agencies will have to provide self-attested photocopies of PAN Card, latest Income Tax return, latest Professional Tax Clearance Certificate, GSTIN Certificate which will be valid up to the date of opening of the tender papers and other Credential Documents (within last 5(five) years from the last date of submission of tender documents) along with the Tender Paper.
- 21) Registered Labour Co-Operative Societies Ltd. will have to provide self-attested photocopies of current Audit Report, No Objection Certificate in support of their registration, Bye-laws, PAN Card, latest Income Tax Clearance Certificate, GSTIN Certificate, other Credential document (not less than 40% of the estimated amount in a single job and other documents for having experience of executing similar nature of work within last 5(five) years from the Last date of submission of tender papers).
- 22) Representation in Tender in connection with tender submitted by Co-Operative Societies:- The Chairman and the Secretary or three directors including either the Chairman or the Secretary shall execute and sign all deeds, documents, tender papers as per act of the Bye-Laws of the Co-Operative Societies, failing which the tender will be liable for rejection. The copy of last Audit Report (full) including copy of the minutes of last A.G.M has to be submitted along with application for verification of the authority.
- 23) In case of partnership firm, the interested agencies shall produce authentic document in respect of firm registration obtained from the Registrar of firms, West Bengal pursuant to the Indian Partnership Act – 1932 (Act IX of 1932) along with application (Deed made by Notary will be allowed).
- 24) No credential will be considered unless it is supported by payment certificate, work order and completion certificate mentioning the date of completion issued by the competent authority.
- 25) No person will be allowed to quote rate on the basis of Legal Power of Attorney conferred to him by the Firm/ Agency except in circumstances where necessary Govt. approval has been obtained.
- 26) The college authority shall be at liberty to take such legal action or actions as they deem fit and proper, in the event the agencies' submitted documents and credentials are found false and fake.
- 27) Incurred Income tax, GST and labour CESS shall be deposited by the agency itself under their respective registration numbers and its related certificate/challans (photocopy) shall be submitted to the undersigned as per Govt. norms.
- 28) The tender for the works shall remain open for acceptance for a period of 120 days from the date of N.I.T. If any agency withdraws his/her tender before the cited period or before the date of issue of work order/ letter of acceptance, whichever is earlier, or make any modification in the terms and condition of the tender which are not acceptable to the college authority, then the college authority shall, without prejudice to any other right or remedy, be at liberty to forfeit the entire earnest money. Further, the agency shall not be allowed to submit any tender in this Department for a minimum period of one year.
- 29) Earnest money will be deposited in the shape of Bank draft in favour of Principal, Plassey College, P.O.-Plassey, Dist-Nadia.
- 30) No material will be supplied to the agency by the college.
- 31) Security Deposit (3%) and Earnest Money (2%) will be refunded after 6 months from the date of completion of the work. No earlier claim will be entertained.




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ABSTRACT PARTLY ESTIMATE FOR PROPOSED LINTEL TO GROUND FLOOR SLAB . PURPOSE OF GRANT : CONSTRUCTION OF ANNEX BUILDING (MEMO NO.-803(SANC)/EH/P/CS/6B-1/2011) . (G+2) THREE STOREY EDUCATIONAL BUILDING OF PLASSEY COLLEGE AT MIRA BAZAR, PLASSEY, L.R. PLOT NO. - 296, 302, 303,345. MOUZA - UTTAR HAJRA POTA, J.L NO.-06, P.S- KALIGANJ, DIST - NADIA .									
SL NO	Description of work	No	L M	B M	H M	Quantity	Unit	Rate	Amount Rs. Ps.
Page No.26- Item No. 10.(i)(SOR PWD(Building))									
1	Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes. (i) Pakur Variety								
	Ground floor concrete slab	1	25.07	25.07	0.150	94.28			
	Floor beam - 1	1	38.175	0.3	0.350	4.01			
	Floor beam - 2	1	14.75	0.3	0.350	1.55			
	Floor beam - 3	1	82.52	0.3	0.350	8.66			
	Floor beam - 4	1	14.17	0.3	0.300	1.28			
	Floor beam - 5	1	48.87	0.3	0.300	4.40			
	Floor beam - 6	1	51.62	0.35	0.350	6.32			
	Floor beam - 7	1	27.85	0.3	0.375	3.13			
	Lift Wall	2	2.000	0.150	1.050	0.63			
	Lift Wall	2	2.300	0.150	1.050	0.72			
	Stair Case one flight (waist slab)	1	2.750	2.225	0.200	1.22			
	Stair Case one flight (waist slab)	1	2.250	2.000	0.200	0.90			
	TOAL				=	127.11	Cum.	5921.70	752682.92
Page No.43- Item No.40 (a) (i) (SOR PWD(Building))									
2	Reinforcement(for reinforced cement concrete work) in all sorts of structures incl. distribution bars, stirrups, binders etc of rods incl. supply initial straightening and removal of loose rust (if necessary) cutting to requisite length, hook and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection complete as per drawing and direction . (i) TOR STEEL FOR GROUND FLOOR								
	@ 1.7% of total R.C.C.	1	127.11	0.0145	7.85	2.161			
						16.96	M.T.	54400.74	922760.60
Page No.42- Item No.36(C) (SOR PWD(Building))									
3	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor) (c) Steel shuttering or 9 to 12 mm thick approved quality ply board shuttering in any concrete work-Charge								
	Ground floor slab	1	25.07	25.07		628.50			
	Ground floor slab side	2	25.07		0.150	7.52			
	Ground floor slab side	2	25.07		0.150	7.52			
	Floor beam - 1 bottom	1	38.175	0.3		11.45			
	Floor beam - 1 side	2	38.175		0.350	26.72			
	Floor beam - 2 bottom	1	14.75	0.3		4.43			
	Floor beam - 2 side	2	14.75		0.350	10.33			
	Floor beam - 3 bottom	1	82.52	0.3		24.76			
	Floor beam - 3 side	2	82.52		0.350	57.76			
	Floor beam - 4 bottom	1	14.17	0.3		4.25			
	Floor beam - 4 side	2	14.17		0.300	8.50			
	Floor beam - 5 bottom	1	48.87	0.3		14.66			
	Floor beam - 5 side	2	48.87		0.300	29.32			
	Floor beam - 6 bottom	1	51.62	0.35		18.07			
	Floor beam - 6 side	2	51.62		0.350	36.13			
	Floor beam - 7 bottom	1	27.85	0.3		8.36			
	Floor beam - 7 side	2	27.85		0.375	20.89			
	Lift Wall side	4	2.000		1.050	8.40			
	Lift Wall side	4	2.300		1.050	9.66			

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 Reg. No.-03 of 2018-19
 Sastitala, Krishnagar

	Stair Case one flyight (waist slab)	1	2.750	2.225		6.12			
	Stair Case one flyight (waist slab)	1	2.750		0.200	0.55			
	Stair Case one flyight (waist slab)	1	2.250	2.000		4.50			
	Stair Case one flyight (waist slab)	1	2.250		0.200	0.45			
	TOAL			=	948.85	Sqm.	365.00	346330.30	
Page No.47- Item No.3 (SOR PWD(Building)									
4	Supplying and laying Polythene Sheet (150gm / sq.m.) over damp proof course or below flooring or roof terracing or in foundation or in foundation trenches.								
	Ground floor slab	1	25.07	25.07		628.50			
	Ground floor slab side	2	25.07		0.150	7.52			
	Ground floor slab side	2	25.07		0.150	7.52			
	Floor beam - 1 bottom	1	38.175	0.3		11.45			
	Floor beam - 1 side	2	38.175		0.350	26.72			
	Floor beam - 2 bottom	1	14.75	0.3		4.43			
	Floor beam - 2 side	2	14.75		0.350	10.33			
	Floor beam - 3 bottom	1	82.52	0.3		24.76			
	Floor beam - 3 side	2	82.52		0.350	57.76			
	Floor beam - 4 bottom	1	14.17	0.3		4.25			
	Floor beam - 4 side	2	14.17		0.300	8.50			
	Floor beam - 5 bottom	1	48.87	0.3		14.66			
	Floor beam - 5 side	2	48.87		0.300	29.32			
	Floor beam - 6 bottom	1	51.62	0.35		18.07			
	Floor beam - 6 side	2	51.62		0.350	36.13			
	Floor beam - 7 bottom	1	27.85	0.3		8.36			
	Floor beam - 7 side	2	27.85		0.375	20.89			
	Lift Wall side	4	2.000		1.050	8.40			
	Lift Wall side	4	2.300		1.050	9.66			
	Stair Case one flyight (waist slab)	1	2.750	2.225		6.12			
	Stair Case one flyight (waist slab)	1	2.750		0.200	0.55			
	Stair Case one flyight (waist slab)	1	2.250	2.000		4.50			
	Stair Case one flyight (waist slab)	1	2.250		0.200	0.45			
	TOAL			=	948.85	Sqm.	24.00	22772.40	
Page No. - 15, Item No - 8 (b) (SOR PWD (BUILDING)									
5	Brick work with 1st class bricks in cement mortar (1:6) In Superstructure , Ground floor								
	250 mm wall	1	138.00	0.250	0.550	18.98			
	250 mm wall	1	59.00	0.250	0.500	7.38			
	250mm brick pillar	6	0.25	0.25	1.05	0.39			
	TOAL			=	26.74	Cum.	5128.70	137160.67	
Page No.16- Item No.16 (SOR PWD(Building)									
6	125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor								
	intel 125 mm	1	47.15		0.900	42.43			
	All total			=	42.43	Sqm.	671.47	28493.23	
Page No.189- Item No.A(1/i/b) (SOR PWD(Building)									
7	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (i) With 1:6 cement mortar (b) 20 mm thick plaster								
	outer wall	1	100.85	-	0.55	55.47			
	TOAL			=	55.47	sqm.	161.71	8969.65	

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Page No.189- Item No.A(1/i/c) (SOR PWD(Building))										
Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (i) With 1:6 cement mortar (c) 15 mm thick plaster										
Inner wall -1		1	100.85	-	0.55	55.47				
Inner All wall		2	47.15		0.9	84.87				
Ground floor slab		1	25.07	25.07		628.50				
Ground floor slab side		2	25.07		0.150	7.52				
Ground floor slab side		2	25.07		0.150	7.52				
Floor beam - 1 bottom		1	38.175	0.3		11.45				
Floor beam - 1 side		2	38.175		0.350	26.72				
Floor beam - 2 bottom		1	14.75	0.3		4.43				
Floor beam - 2 side		2	14.75		0.350	10.33				
Floor beam - 3 bottom		1	82.52	0.3		24.76				
Floor beam - 3 side		2	82.52		0.350	57.76				
Floor beam - 4 bottom		1	14.17	0.3		4.25				
Floor beam - 4 side		2	14.17		0.300	8.50				
Floor beam - 5 bottom		1	48.87	0.3		14.66				
Floor beam - 5 side		2	48.87		0.300	29.32				
Floor beam - 6 bottom		1	51.62	0.35		18.07				
Floor beam - 6 side		2	51.62		0.350	36.13				
Floor beam - 7 bottom		1	27.85	0.3		8.36				
Floor beam - 7 side		2	27.85		0.375	20.89				
Lift Wall side		4	2.000		1.050	8.40				
Lift Wall side		4	2.300		1.050	9.66				
Stair Case one flyight (waist slab)		1	2.750	2.225		6.12				
Stair Case one flyight (waist slab)		1	2.750		0.200	0.55				
Stair Case one flyight (waist slab)		1	2.250	2.000		4.50				
Stair Case one flyight (waist slab)		1	2.250		0.200	0.45				
TOAL					=	1089.19	sqm.	141.53	154152.73	
9	Page No.189- Item No.A(1/i/b) (SOR PWD(Building)) Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] (ii) With 1:4cement mortar (c) 10 mm thick plaster									
Concrete slab of ground floor		1	25.07	25.07		628.50				
Concrete slab of ground floor		2	25.07		0.150	7.52				
Concrete slab of ground floor		2	25.07		0.150	7.52				
TOAL					=	643.55	sqm.	125.53	80784.44	
Total Ammount (A)					=					2454106.95
Add 12% G.S.T (B)					B= 12% of A					294492.83
Total (C)					A+B =C					2748599.78
Add 3 % Contingency (D)					D= 3% of C					82457.99
Add Labour 1 % Cess (E)					E=1% of C					27486.00
Total Estimated Amount Rs. (Z)					C+D+E=Z					2858543.77
Say Total Amount Rs.					Rounded					2858544.00
**The Estimation has been prepared on the basis of P.W.D Building Schedule of Rates [Incorporation of GST Act, 2017 & All addenda & Corrigenda of SOR, 01.12.2015]										
Total Estimated Amount (In Words) Rs. Twenty Eight lakhs Fifty Eight Thousand Five Hundred Fourty Four Rupees only.										
Estimate Prepared by										

checked

ABISWAS
9.02.22

Rate vetted in amount of Rs 28,58,544.00

Twenty Eight Thousand Lakh Fifty
Eight Thousand Five Hundred
Forty Four only

Assistant Engineer
Nadia Zilla Parishad

Estimate Vetted Only
Except Structural Design
10/2/2022
District Engineer
Nadia Zilla Parishad

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Reg. No.-03 of 2018-19
Sastitala, Krishnagar

**ANNEXURE - II
FORMAT - A**

Distance from Krishnagar Railway yard to Worksite : 50.0 Km.					
Delivery charges of stone materials, Dust etc					Stone materials/ Cum
i)	Table- T -3 of PWD SOR: Loading into trucks at the lifting point,unloading at destination, stacking properly in go downs or yard etc. as directed including carriage by headload up to a lead of 50.00 m at each of the two points but excluding the cost of stacking				
	Stone Aggregate below 40 mm nominal size				
					Rs.58.00
ii)	Carriage cost of Stone aggregate vide (TABLE :T-2 for Road Transportation & Carriage Works)				
	Distance carried upto 5.0 KM. =				Rs.124.00
	Distance carried upto 10 KM beyond 5.0 KM.	=	5.0 KM	@ Rs.10.90 Per KM.	Rs.54.50
	Distance carried upto 20 KM beyond 10 KM.	=	10.0 KM	@ Rs.10.10 Per KM.	Rs.101.00
	Distance carried upto 50 KM beyond 20 KM.	=	30.0 KM	@ Rs.9.50 Per KM.	Rs.285.00
Total carriage cost at site of stone aggregate for a distance of 50.0 KM					Rs.622.50

Cost of Stone materials :

	40 mm	20 mm	10 mm
Cost of Pakur stone materials delivered at site	Rs.1,491.00	Rs.1,482.00	Rs.1,351.00
Cost of Roadway carriage from Krishnagar City Railway Station to site for a distance of 50 KM	Rs.622.50	Rs.622.50	Rs.622.50
Sub Total :	Rs.2,113.50	Rs.2,104.50	Rs.1,973.50

Page-26, Item- 10 a : Ordinary Cement concrete (mix 1:1.5:3) with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement if any, in ground floor as per relevant IS codes.

i) Cost of stone aggregate (Pakur Variety) / per m³ of concrete

a) 20 mm nominal size stone chips	0.573 X	Rs. 2,104.50 =	Rs. 1,205.88
b) 10 mm nominal size stone chips	0.287 X	Rs.1,973.50 =	Rs. 566.39
			Rs. 1,772.27

ii) Cost of labour, cement etc vide Page-26, Item- 10.a

	=	Rs.4,385.00
Sub Total	=	Rs.6,157.27

Format for analysis of rate of Items Involving use of cement Supplied by Contractor

ii) Cost of labour, cement etc vide Page-26, Item- 10.a	= Rs. 4,385.00		
	1.44	x 0.286 =	0.41184
Deduct the cost of cement as per consumption	0.412	x Rs.6,289.00 =	-Rs.2,590.06
	1.44	x 0.286 =	0.41184
Add Cost of cement Supply by the Contractor	0.412	x Rs.5,717.00 =	Rs.2,354.49

Rs.4,149.43

Final Rate of Item per Cum(A+B)

Rs. 5,921.70

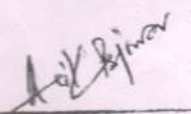
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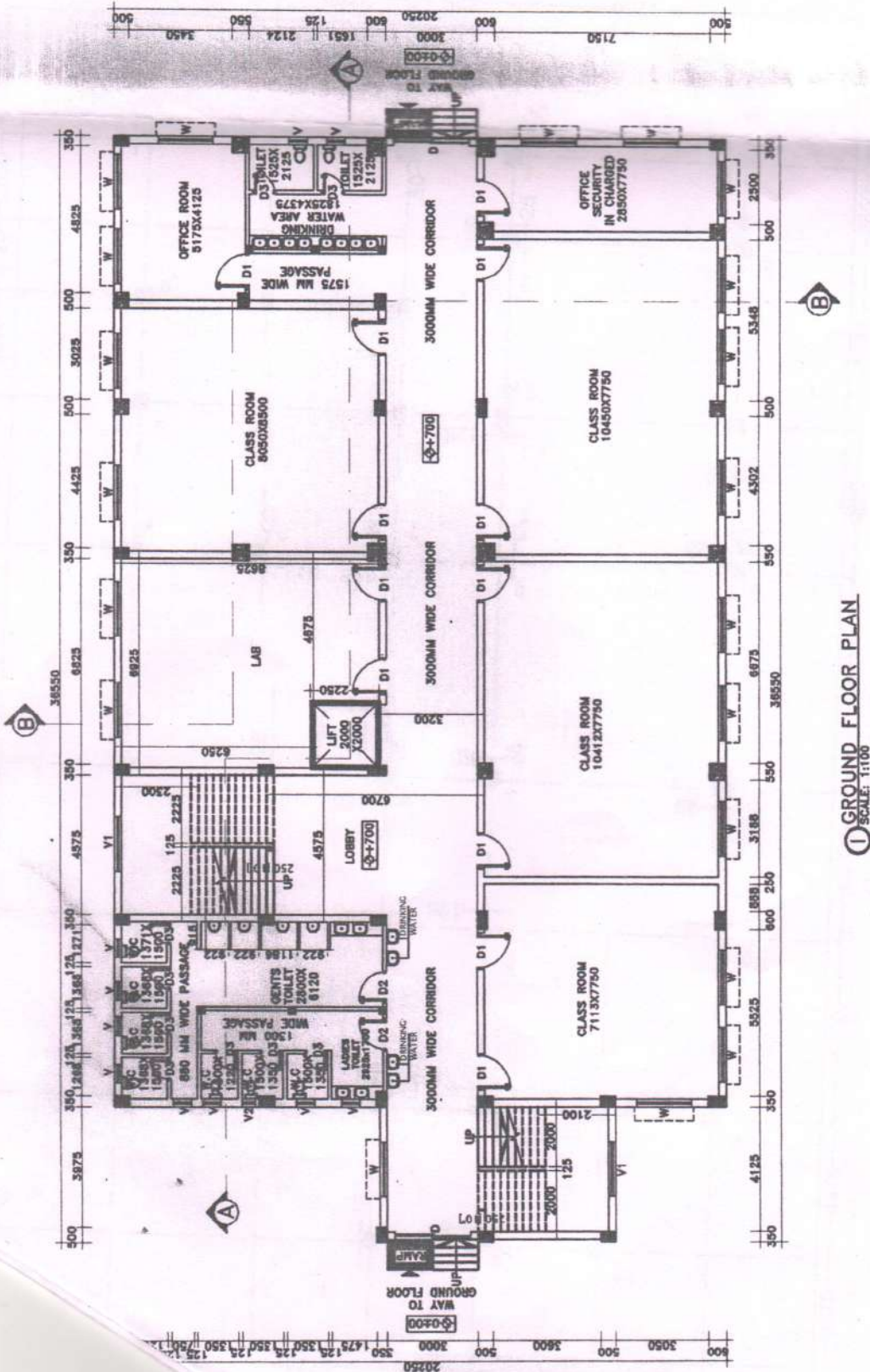
Analysis of rate of Steel supplied by contractor.

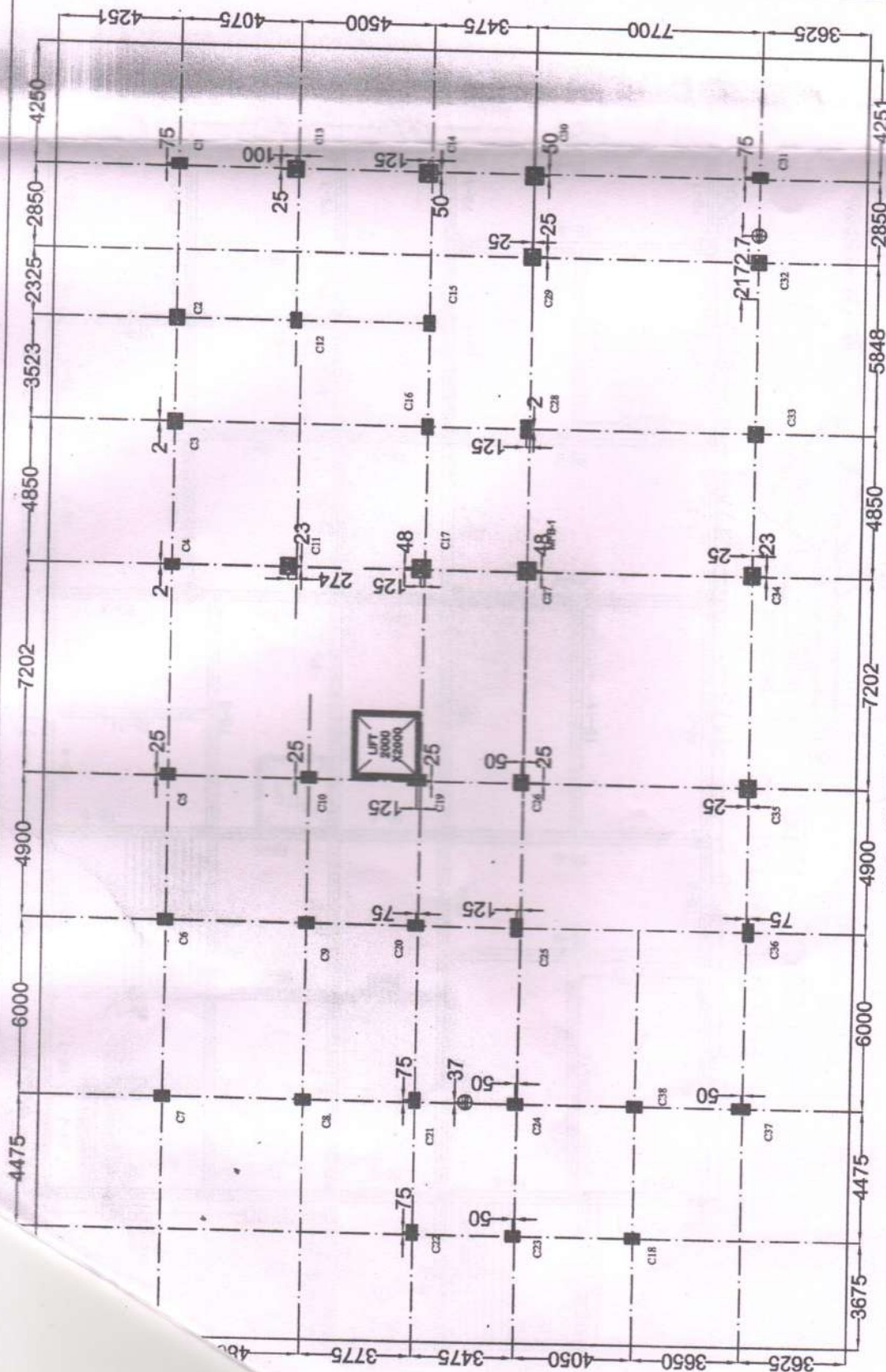
Distance from local outlet to Worksite		5	=	5.0	Km.
					Carriage cost / MT
1	Page-224, Item-1.03.A.h: Loading, unloading and stacking by Manual Means A. Loading in to trucks at the lifting point, unloading at destination, (but excluding stacking) properly in go downs or yard etc. as directed including carriage by head load up to a lead of 50.00 m at each of the two points.				Rs.96.00
	TABLE 1 : ROAD TRANSPORTATION & CARRIAGE WORKS vide Page-228				
2.i	Distance carried upto 5.0 KM.				Rs.82.00
Carriage cost for a distance upto		5.0	KM	=	Rs.178.00

Cost of MS/ Tor steel reinforcement work per MT					
Step- 1	A) Rate of item as per relevant section of the Schedule				
	Volume-I,page-43,item-40(10th Corri.,P-1)- Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction.				= Rs.60,003.00
	Category of steel: JSPL/SHYAM/ SRMB/BMASL/ELECTROSTEEL/SSL				
Step- 2	Volume-I,10th Corri.,P-4:- Deduct Issue Rate (Per MT) of respective Quality Steel including 10% contractor profit,2% sundries,watercharges & 5% Wastage				
	1.17	X	Rs.42,792.00	=	-Rs.50,066.64
Step- 3	Volume-I,9th Corri.,P-4:- Add Basic Price at outlet of Steel of respective quality including 10% contractor profit,2% sundries,watercharges & 5% Wastage				
	1.17	X	Rs.37,844.00	=	Rs.44,277.48
Step- 5	Add cost of Carriage from outlet to site with necessary loading , unloading and stacking charges for 1.05 MT Steel				
	1.05	X	Rs.178.00	=	Rs.186.90
TOTAL COST OF ITEM				=	Rs.54,400.74


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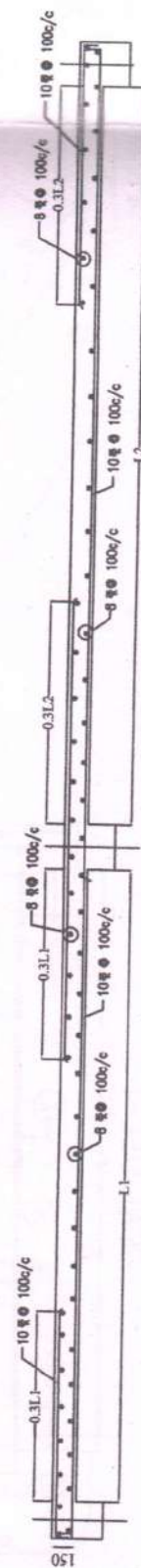
LAND DETAILS -	
MIRA BAZAR, PLASSEY, L.R. PLOT NO. - 296, 302, 303.345 MOUJA - UTTAR HAJRA POTA, J.L NO.-06, P.S- KALIGANJ, DIST - NADIA.	
NAME OF SCHEME	
PURPOSE OF GRANT: CONSTRUCTION OF ANNEX BUILDING (MEMO NO.-803(SANC)/EH/P/CS/69-1/2011)	
PROJECT NAME:-	
PROPOSED GROUND FLOOR PLAN OF G+2 STOREY EDUCATIONAL BUILDING OF PLASSEY COLLEGE AT MIRA BAZAR, PLASSEY, L.R. PLOT NO. - 296, 302, 303.345, MOUZA - UTTAR HAJRA POTA, J.L NO.-06, P.S- KALIGANJ, DIST - NADIA.	
L.B.S SIGNATURE -	
 AVIK BISWAS L.B.S. (B. Tech) K.M. Reg. No.-03 of 2018-19 Sastitala, Krishnagar	
STRUCTURE ENGINEER'S SIGNATURE -	
 Souvik Sharma M.Tech(Structure), B-Tech Civil L.B.S Reg. No. 059/O.M.M/2020-21 Bachamari, Old Malda, Malda.	
AUTHORITY SIGNATURE -	
 Principal Plassey College Mirabazar, P.O.-Plassey, Dt-Nadia	





COLUMN LAYOUT PLAN
SCALE :- 1:100

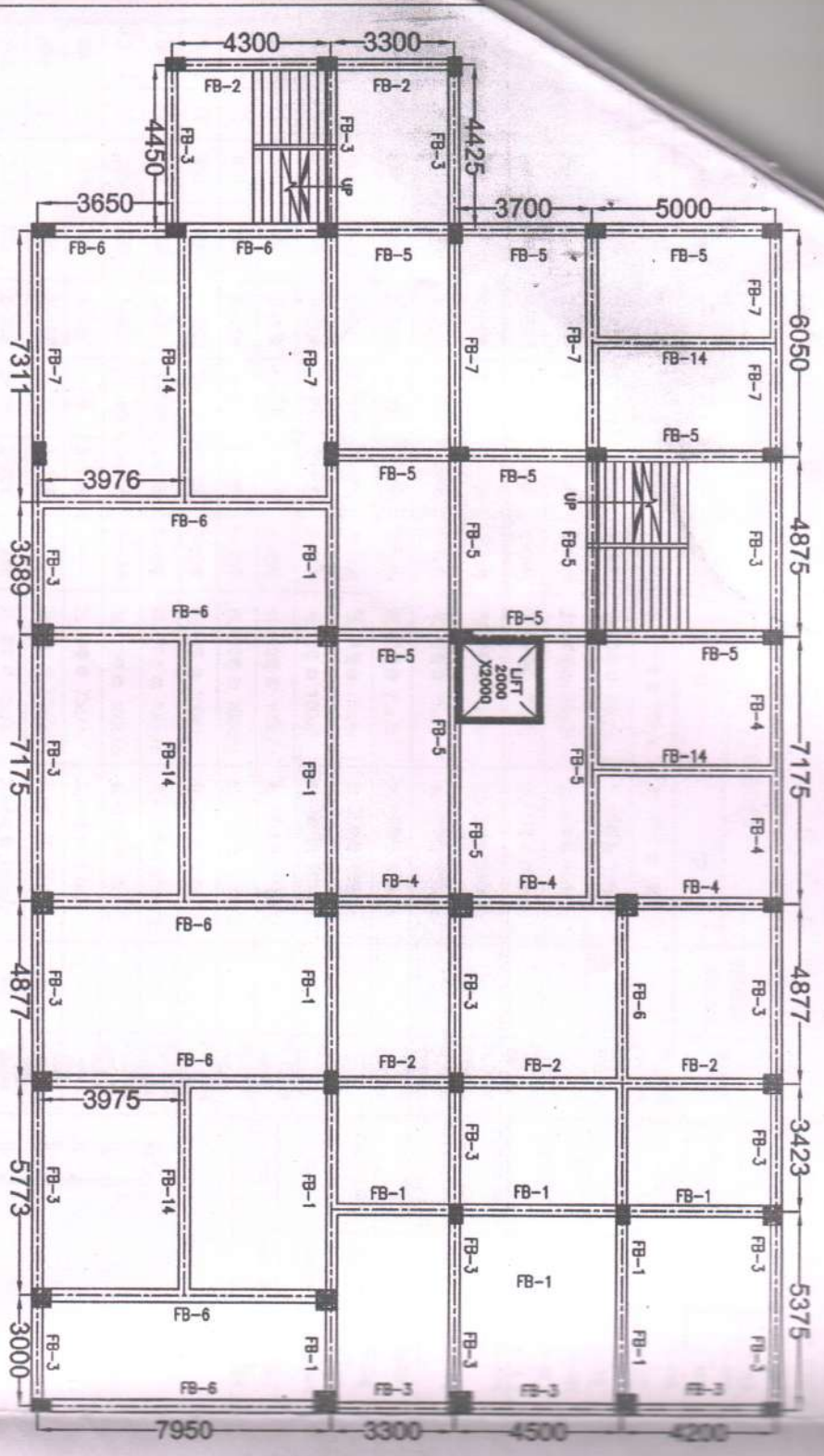
SCALE :- 1:100



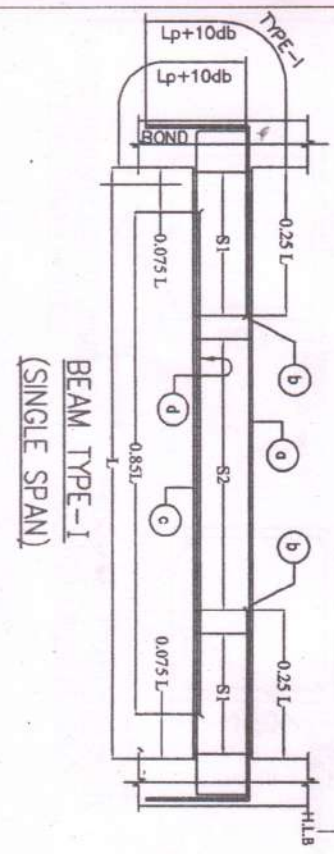
TYPICAL RC DETAIL OF FLOOR SLAB
SCALE-N.T.S

SCALE-N.T.S.

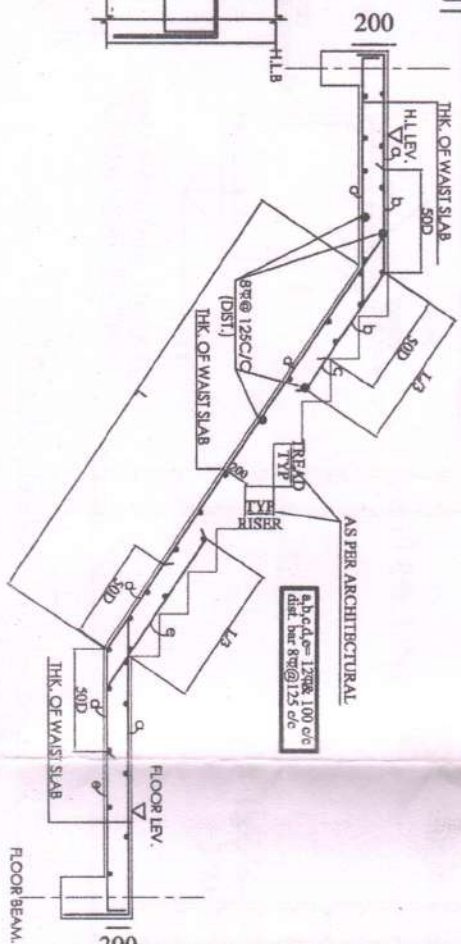
LAND DETAILS -	
MIRA BAZAR, PLASSEY, L.R. PLOT NO. - 296, 302, 303.345 MOUJA - UTTAR HAJRA POTA, J.I NO.-06, P.S- KALIGANJ, DIST - NADIA.	
NAME OF SCHEME	
PURPOSE OF GRANT: CONSTRUCTION OF ANNEX BUILDING (MEMO NO.-803(SANC)/EH/P/CS/68-1/2011)	
PROJECT NAME: -	
PROPOSED GROUND FLOOR PLAN OF G+2 STOREY EDUCATIONAL BUILDING OF PLASSEY COLLEGE AT MIRA BAZAR, PLASSEY, L.R. PLOT NO. - 296, 302, 303.345. MOUZA - UTTAR HAJRA POTA, J.I NO.-06, P.S- KALIGANJ, DIST - NADIA.	
L.B.S SIGNATURE -	
 AVIK BISWAS L.B.S. (B. Tech) K.M. Reg. No.-03 of 2018-19 Sasitala, Krishnagar	
STRUCTURE ENGINEER'S SIGNATURE -	
 Souvik Sharma Souvik Sharma M.Tech(Structure), B-Tech Civil L.B.S Reg. No. 059/O.M.M/2020-21 Bachamari, Old Malda, Malda.	
AUTHORITY SIGNATURE -	
 Principal Plassey College Plassey, P.O.-Plassey Dt-Nadia Mirabazar.	



FLOOR BEAM LAY-OUT
SCALE :- 1:100



BEAM TYPE-I
(SINGLE SPAN)



TYPICAL REINFORCEMENT ARRANGEMENT OF STAIR.

LAND DETAILS - MIRA BAZAR, PLASSEY, L.R. PLOT NO. - 296, 302, 303, 345 MOUJA - UTTAR HAIRA POTA, J.L. NO.-06, P.S- KALGANJ, DIST - NADIA.	NAME OF SCHEME PURPOSE OF GRANT: CONSTRUCTION OF ANNEX BUILDING (MEMO NO.-803(SANC)/EH/P/CS/68-1/2011)	PROJECT NAME:- PROPOSED GROUND FLOOR PLAN OF G+2 STOREY EDUCATIONAL BUILDING OF PLASSEY COLLEGE AT MIRA BAZAR, PLASSEY, L.R. PLOT NO. - 296, 302, 303, 345, MOUJA - UTTAR HAIRA POTA, J.L. NO.-06, P.S- KALGANJ, DIST - NADIA.	L.B.S SIGNATURE - <i>Avik Biswas</i> AVIK BISWAS L.B.S. (B. Tech) K.M. Reg. No.-03 of 2018-19 Sastitala, Krishnagar	STRUCTURE ENGINEER'S SIGNATURE - <i>Souvik Sharma</i> Souvik Sharma M.Tech(Structure), B-Tech Civil L.B.S Reg. No. 059/O.M.M/2020-21 Bachamari, Old Malda, Malda.	AUTHORITY SIGNATURE - <i>Principal</i> Principal Plassey College Mirabazar, P.O.-Plassey, Dt-Nadia
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E D U L E O F F L O O R B E A M S													LAND DETAILS -	
I	BEAM SIZE		REINFORCEMENTS				STIRRUPS		SIDE REINF. EACH FACE	REMARKS	COL. MARK	COL. SIZE	COL. REINFORCE	LINK
	WIDTH (mm)	DEPTH (mm)	a	b	c	d	SI	S2						
II	300	500	4-20#	3-20#	4-20#	3-20#	2L-10# @ 75c/c	2L-10# @ 150c/c	-	FLOOR BEAM	C1, C3, C8, C18, C20, C24	350 X 500	4-20# + 8-16#	8# @ 75/175c/c (3nos/SET)
II	300	500	3-20#	2-16#	3-20#	2-16#	2L-8# @ 75c/c	2L-8# @ 150c/c	-	FLOOR BEAM	C4, C5, C6, C7, C10, C21	350 X 500	6-20# + 6-16#	8# @ 75/175c/c (3nos/SET)
II	300	500	4-20#	3-16#	3-20#	3-16#	2L-8# @ 75c/c	2L-8# @ 150c/c	-	FLOOR BEAM	C21, C22	350 X 500	6-20# + 6-16#	8# @ 75/175c/c (3nos/SET)
II	300	450	4-20#	3-16#	3-20#	3-16#	2L-8# @ 75c/c	2L-8# @ 150c/c	-	FLOOR BEAM	C23, C38	350 X 500	10-20# + 4-16#	8# @ 75/175c/c (3nos/SET)
II	300	450	4-20#	3-16#	4-20#	3-16#	2L-8# @ 75c/c	2L-8# @ 150c/c	-	FLOOR BEAM	C38, C37	350 X 500	14-20#	8# @ 75/175c/c (3nos/SET)
II	350	500	5-20#	5-20#	5-20#	5-20#	4L-8# @ 75c/c	4L-8# @ 150c/c	-	FLOOR BEAM	C18, C25	350 X 500	8-20# + 8-16#	8# @ 75/175c/c (3nos/SET)
II	300	525	5-20#	3-16#	5-20#	3-16#	2L-8# @ 75c/c	2L-8# @ 150c/c	-	FLOOR BEAM	C2, C3, C28, C32, C33	500 X 500	16-25#	8# @ 75/175c/c (3nos/SET)
II	200	300	2-20#	2-16#	2-20#	2-16#	2L-8# @ 75c/c	2L-8# @ 150c/c	-	GRID BEAM	C14, C17, C27, C30	600 X 600	20-25#	8# @ 75/175c/c (3nos/SET)
II	500	500	3-20#	3-20#	3-20#	2-20#	4L-8# @ 100c/c	4L-8# @ 150c/c	-	FLOOR BEAM	C11, C13, C34, C35	550 X 550	18-20#	8# @ 75/175c/c (3nos/SET)
II	650	650	5-25#	5-25#	5-25#	5-25#	4L-10# @ 100c/c	4L-10# @ 150c/c	-	FLOOR BEAM	C12, C15, C16	350 X 600	8-20# + 4-16#	8# @ 75/175c/c (3nos/SET)
II	650	650	5-25#	5-25#	5-25#	5-25#	6L-10# @ 100c/c	6L-10# @ 150c/c	-	FLOOR BEAM	C29	550 X 600	18-20#	8# @ 75/175c/c (3nos/SET)
II	350	350	3-25#	3-25#	3-25#	3-25#	4L-8# @ 100c/c	4L-8# @ 150c/c	-	FLOOR BEAM	C28	350 X 600	8-20# + 6-16#	8# @ 75/175c/c (3nos/SET)
II	350	650	3-25#	3-25#	3-25#	3-25#	4L-10# @ 100c/c	4L-10# @ 150c/c	-	FLOOR BEAM				
II	300	500	3-20#	3-16#	3-20#	3-16#	4L-10# @ 100c/c	4L-10# @ 150c/c	-	FLOOR BEAM				
I	300	300	3-16#	-----	3-16#	-----	2L-8# @ 75c/c	2L-8# @ 150c/c	-	ROOF MURTY				
I	200	300	3-16#	-----	3-16#	-----	2L-8# @ 75c/c	2L-8# @ 150c/c	-	ROOF MURTY				
HLB	300	500	2-20#	2-16#	2-20#	2-16#	2L-8# @ 75c/c	2L-8# @ 150c/c	-	LANDING BEAM				

MIRA BAZAR, PLASSEY, L.R. PLOT NO. - 296, 302, 303.345 MOUJA - UTTAR HAJRA POTA, J.L NO.-06, P.S- KALIGANJ, DIST - NADIA.	
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L.B.S SIGNATURE -	
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STRUCTURE ENGINEER'S SIGNATURE -	
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AUTHORITY SIGNATURE -	
Principal Plassey College Mirabazar, P.O. Plassey Dist-Nadia	

10 @ 125c/c

12 @ 150c/c

12 @ 150c/c

150

150

2-8#

STIRRUPS

8# @ 100 mm c/c

125

150

3-8#

125 MM WALL (ALL THROUGH)
LINTEL CROSS SECTION

2-10#

STIRRUPS

8# @ 125 mm c/c

250

200

3-10#

ONLY 1000 MM ABOVE OPENING
LINTEL CROSS SECTION

2-8#

STIRRUPS

8# @ 100 mm c/c

250

150

3-8#

250 MM WALL (ALL THROUGH)
LINTEL CROSS SECTION

TYPICAL RCC DETAIL OF LIFT WALL

SCALE-N.T.S.

L.B.S SIGNATURE -
Avik Biswas
AVIK BISWAS
 L.B.S. (B. Tech) K.M.
 Reg. No.-03 of 2018-19
 Sastitala, Krishnagar

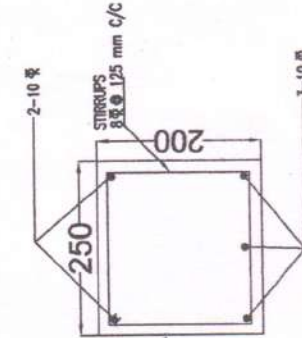
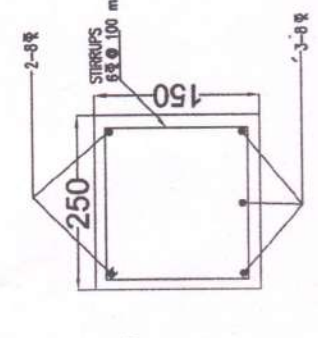
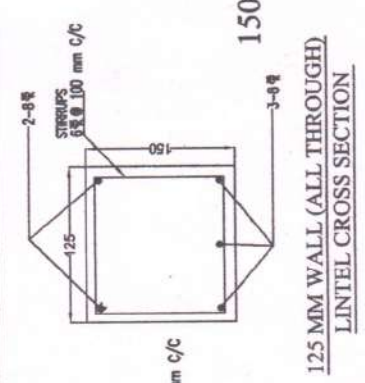
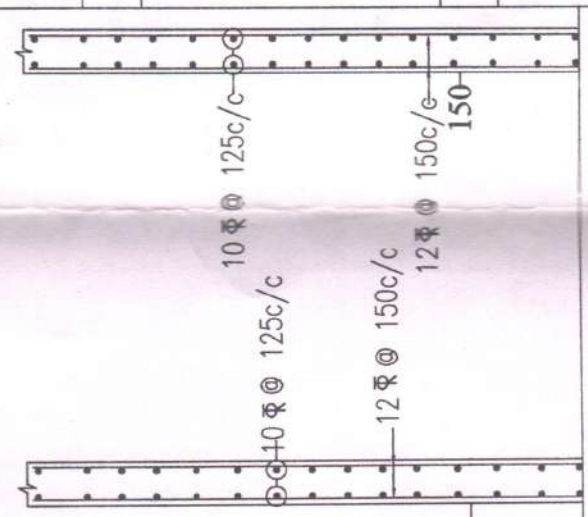
STRUCTURE ENGINEER'S
 SIGNATURE -

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 Souvik Sharma
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 L.B.S Reg. No. 059/O.M.M/2020-21
 Bachamari, Old Malda, Malda.

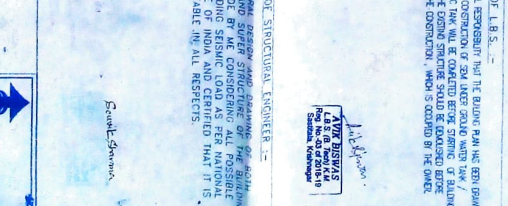
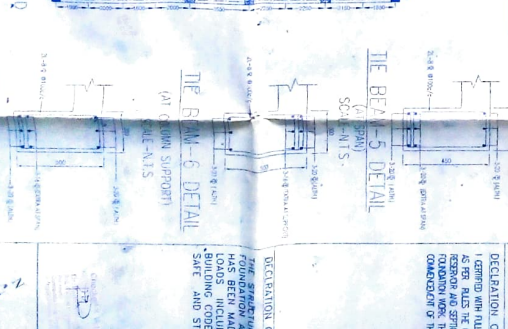
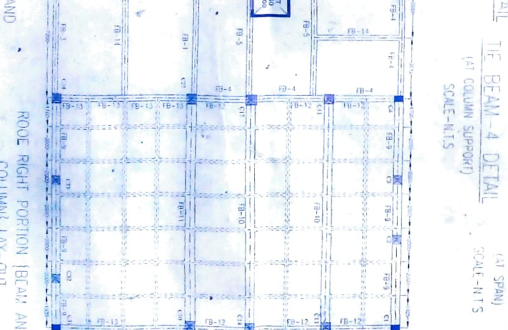
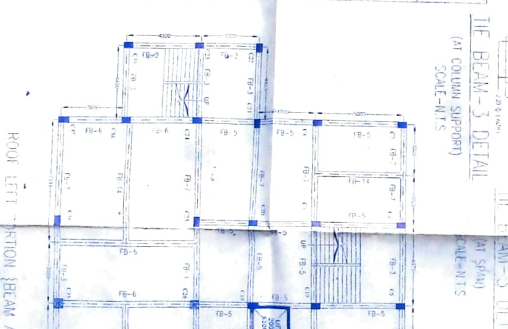
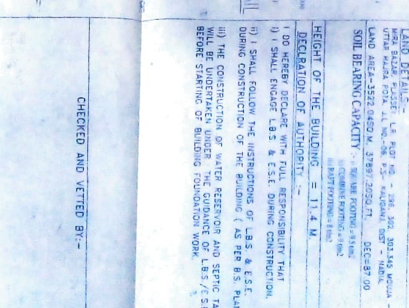
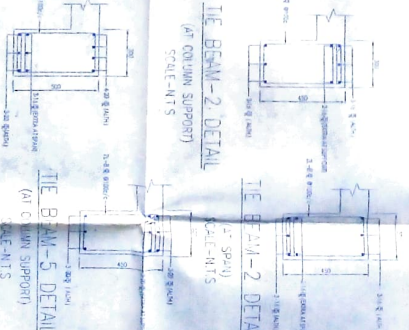
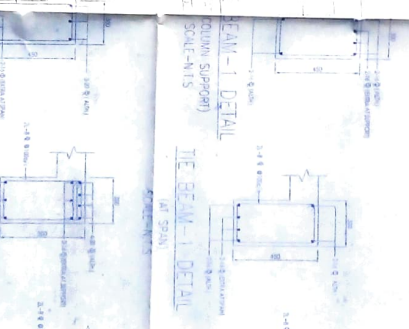
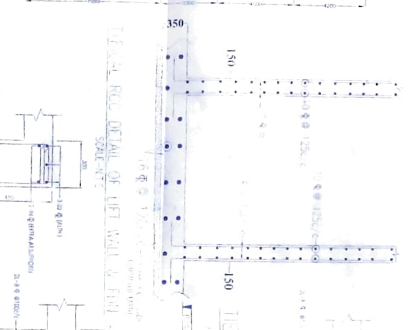
AUTHORITY SIGNATURE -

Souvik Sharma

Principal
 Plassey College
 Mirzapur, P.O. Plassey, Dt-Nadia



TYPICAL RCC DETAIL OF LIFT WALL
 SCALE-N.T.S.



C

FOLLOW THE INSTRUCTIONS OF LAB INSTRUCTION OF THE BUILDING (AS

THE BUILDING = 11.4 M.

FOIA b 7 - D
FOIA b 6 - X
FOIA b 5 - X
FOIA b 4 - X
FOIA b 3 - X
FOIA b 2 - X
FOIA b 1 - X

3522 0450 M, 37897, 2050 FT, D

BUILDING OF PLASTER COLLEGE A
PLOT NO - 298, 302, 303, 345
POTA, II NO-06 P3- KAILAN

GRANT CONSTRUCTION OF MINOR R
C/CM/P/CS/GB-1/2011)

TO BE MAILED WITH REGULAR MAIL

[illegible]

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University of California, San Diego,
La Jolla, CA 92037, USA.
E-mail: jkagan@ucsd.edu

...and the ...

1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 26

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