

**U.P. STATE CONSTRUCTION AND INFRASTRUCTURE
DEVELOPMENT CORPORATION LTD.**

(A Govt. of U.P. Enterprises)

(AN ISO 9001:2000 certified Organisation)

Reg. Office : T.C. – 46 V, Vibhuti Khand, Gomti Nagar, Lucknow (U.P.)

Ph.No. 0522-2305877 Fax No:- 0522-2305877

Website:www.upsknn.org

FINANCIAL BID

FOR

**INSTITUTE OF DRIVING TRAINING & RESEARCH
CENTRE (IDTR) RAEBARELI**

(UTTAR PRADESH)

(VOLUME-II)

Name of Tenderer:.....

Address:

.....

.....

.....

TENDER B.O.Q.

SUMMARY OF COST

(1)

SUMMARY OF COST (BILL OF QUANTITY)

NAME OF WORK :- C/O INSTITUTE OF DRIVING TRAINING & RESEARCH (IDTR) AT RAEBARELI

FORMATION LEVEL 1.15 METER BELOW ROAD LEVEL

S. No.	Description of work	AMOUNT (IN LACS) (WORK DONE BY NIGAM)
Cost Of Building		
1	NON RESIDENTIAL BUILDING (B CLASS)	
A	Academic Block (Framed Structure)	324.56
B	Hostel Building (Framed Structure)	43.19
C	Work Shop (Framed Structure)	76.84
D	Cost of External sanitary & site development	35.77
	A	480.36
Road Work (As Sanctioned)		
2	Two Lane Straight Road	73.43
3	Parking	38.42
4	Hump Road	20.72
5	3 Point Turn	10.87
6	5 Point Turn	9.05
7	S-Shaped Bend & V Bend	46.25
8	8- Shaped Bend	73.03
9	4-Lane Road	46.96
10	6-Lane Road	143.79
11	Reversing Box	3.27
	B	465.79
Others		
15	Horticulture Work	0.00
16	Street Lighting	38.30
17	Compound Wall	0.00
18	Water Supply Plumbing & O.H.T. (100 KL)	35.35
19	Simple MS gates 2 Nos & Security Cabin	17.09
23	Land Development Charges	97.91
	C	188.65
	Total A+B+C	1134.80
	Less 5.00 % due to work done by nigam	-56.74
		1078.06

Handwritten initials/signature

Handwritten signature

~~Signature~~
अधिराषी अभियन्ता
 स०पी० स्टेट कान्स्ट्रक्शन एण्ड इन्फ्रास्ट्रक्चर
 डेवलपमेन्ट कारपोरेशन लि० राबरेली

Percentage Rate (+/-) to be Quoted by bidder on A% B Rs =.....

Quoted Percentage. in words (.....)
Grand Total A+B Rs.=.....

Total in words

Signature of contractor

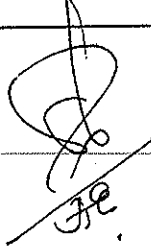
Seal

(2)

NAME OF WORK :-C/O INSTITUTE OF DRIVING TRAINING & RESEARCH (IDTR) AT RAEBARELI

PHASE -1

S. No.	DESCRIPTION	AMOUNT
1	ACADEMIC BUILDING	
A	COST OF CIVIL WORK	28155963.00
B	COST OF INTENAL SANITARY WORK	852378.60
C	COST OF INTERNAL ELECTRIFICATION	3448000
	TOTAL	32456341.60
	SAY (IN LACK)	324.56
2	HOSTEL BUILDING	
A	COST OF CIVIL WORK	4319292.50
B	COST OF INTENAL SANITARY WORK	
C	COST OF INTERNAL ELECTRIFICATION	
	TOTAL	4319292.50
	SAY (IN LACK)	43.19
1	WORKSHOP BUILDING	
A	COST OF CIVIL WORK	6424830.00
B	COST OF INTENAL SANITARY WORK	
C	COST OF INTERNAL ELECTRIFICATION	1259000.00
	TOTAL	7683830.00
	SAY (IN LACK)	76.84

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TENDER B.O.Q.

ABSTRACT OF COST

(civil work)

ACADEMIC BLOCK

TENDER BOQ

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
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BILL OF QUANTITY**PROJECT- ACADEMIC BLOCK AT I.D.T.R. RAEBARELI**

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.		1575.00	Sqm	4.00	6300.00
2	Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M 25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap) :	20.3				
	300 mm dia piles.	20.3.1	1170.00	M	2123.15	2484085.50
	400 mm dia piles	20.3.2		M		0.00
3	Extra over item No. 20.3 for providing additional bulbs in under reamed piles, under specified dia meter (Only the quantity of extra bulbs are to be paid).	20.4				
	300mm dia piles.	20.4.1	335.00	No.	1474.95	494108.25
	400mm dia piles.	20.4.2		No.		0.00
4	Earth work in excavation by mechanical means (Hydraulic Excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 m in length on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					
	All kinds of soil.	251	211.15	cum	95.00	20059.25
5	L. Concrete with 1:1.8 C:C/Sand:40 m.m.S/Ballast Mortar	281	30.34	cum	4990.00	151396.60
6	BK. Work in foundation with 1:6 C:Sand mortar	303+ dif	75.20	cum	4850.00	364720.00
7	12/15 mm plinth plaster with 1:4 C:C/CS mortar					
	1:4 (1 cement:4 coarse sand)	13.4.1	759.99	sqm	172.30	130946.97
8	Applying a coat of residual petroleum bitumen of grade of VG 10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	D.S.R-4.13	651.43	SQM	132.00	85988.76
9	Fine sand filling in trenches		97.95	cum	778.00	76205.10
10	Supply and Laying of 400 micron PVC sheet under plinth	M.R.	651.43	SQM	35.00	22800.05
11	25 mm thick DPC with 1:2:4 c:c/sand: s/grit mortar	361	85.61	SQM	290.00	24826.90
12	R.C.C. Work with 1:1.5:3 C:C/S/Grit 20 m.m. stone grit mortar complete with all material labour T& P					

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SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
	RCC 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)					
	In Foundation					
	In grid beam	279 b	87.42	Cum	7520.00	657398.40
	In Plinth Bend	285	41.25	Cum	8520.00	351450.00
	In Lintel & Projection	279 b		cum	7520.00	0.00
	Projection	283	30.80	cum	8020.00	247016.00
	RCC Coping Over parapet	283	21.90	cum	8020.00	175638.00
	In Column	283	11.10	cum	8020.00	89022.00
		289	58.48	cum	8520.00	498243.64
13	Brick work in super structure with 1:6 cement :sand mortar i/c all material labour T & P	303,309, 310 , diff	402.98	cum	5280.00	2127737.57
14	Brick work in super structure with 1:3 cement :C/sand mortar in step i/c all material labour T&P	307,309, 310	3.89	cum	5835.00	22698.15
15	Brick work in super structure with 1:4 cement :C/sand mortar in 115 mm wall	305b,309 , 310	113.58	sqm	5585.00	634344.30
16	Brick work in super structure with 1:4 cement :C/sand mortar in 115 mm wall	305b,309 , 310	52.67	cum	5585.00	294161.95
17	R.C.C.Work with 1:1.5:3 C:C/CS:20 m.m.stone grit mortar also i/c fixing and removal of shuttering complete with all material labour T&P					
A	In slab	284	253.90	cum	8320.00	2112448.00
B	In Shelves	283	0.36	cum	8020.00	2887.20
18	20 mm bearing plaster with 1:3 C:C/sand mortar & neat cement wash	597	144.77	sqm	212.00	30691.24
19	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding, all complete.					
	Thermo-Mechanically Treated bars.	504	73005.70	kg	68.90	5030092.73
20	Fabrication & supply of Alluminium door chaukhat section 105*50 mm including fixing with rowel plug					0.00
	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required	21.1				
	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately).	21.1.2				
	Powder coated aluminium (thick 50 Micron)	21.1.2.2	1069.3	kg	435.75	465947.48
21	Fabrication & supply of Alluminium window frame / ventilator					
	(A) Al. Window	21.1.1.2	2073.61	Kg	377.75	783306.18
	(B) Al.Grill		377.02	Kg	377.75	142419.31
22	Fabrication & Fixing of Al. entrance door shutter	MR	7.65	Sq.M.	5500.00	42075.00

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TENDER BOQ

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
23	10 mm thick ceiling plaster with 1:3 cement :C/sand mortar	13.16	1547.85	sqm	134.70	208495.40
24	15 mm cement plaster on rough side of single or half brick wall of mix : 1:6 (1 cement : 6 coarse sand)	13.5.2	2629.08	sqm	183.45	482303.81
25	12 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement : 6 coarse sand)	13.4.2	1908.38	sqm	158.40	302286.60
26	Add or deduct for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.		298.34	mtr	12.00	3580.08
27	Earth work in filling under floor upto plinth including watering ramming	Analy	416.82	Cu.M	450.00	187569.00
28	Supply and filling in plinth with sand under floors including, watering, ramming consolidating and dressing complete.		133.97	cum	778.00	104228.66
29	L.Concrete with 1:4:8 C:C/Sand:40 m.m.S/Ballast Mortor	M.R.	92.39	cum	4990.00	461026.10
30	Providing & injecting chemical emulsion for pre-antitermite treatment in four stages		892.92	Sq.M.	230.00	205371.60
31	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete. 40mm thick with 20mm nominal size stone aggregate	605	224.23	sqm	370.00	82965.10
32	40 mm wide and 4 mm thick glass strip in item No. 11.3		784.81	metre	9.00	7063.25
33	Cement plaster skirting (upto 30 cm height) with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement. 18 mm thick.	597	12.24	sqm	212.00	2594.88
33A	Providing & preparing of epoxy flooring 2-3 mm thick of approved brand complete with design and marking stripp with different colour over CC floor (cost of CC floor paid separately) i/c cost of all material labour T&P	MR	2544.42	Sq.ft	225.00	572493.87
34	Providing and laying polished vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	11.41				
A	Size of Tile 60x60cm	11.41.2	1377.75	sqm	1402.55	1932363.26
B	Same as above but for Skirting	11.46.2	117.88	sqm	1415.40	166845.94
35	Providing and fixing 18mm thick gang saw cut mirror polished (premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing moulding and polishing to edge to give high gloss finish etc. complete at all levels.	8.2				

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TENDER BOQ

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
	Area of slab over 0.50 sum.	8.2.2.2	183.72	sqm	3907.40	717867.53
36	Window sill cover with grainite top	8.2.2.1	30.15	sqm	3866.00	116559.90
37	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	11.36	81.01	sqm	785.40	63625.25
38	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sum including pointing in white cement mixed with pigment of matching shade complete.	11.37	386.35	sqm	836.65	281407.23
39	Extra for providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.	8.3				
	Granite work.	8.3.2	178.48	m	230.55	41148.56
40	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.	9.21				
A	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	9.21.2	99.12	sqm	1735.35	172007.89
B	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	9.26	9.45	sqm	104.55	988.00
41	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S including cost of adhesive of approved quality.	9.127				
	Providing and fixing of Lamination of door shutter.		37.80	Sqmt	829.70	31362.66
42	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured) Over item no. 9.20 and 9.21.	9.23	18.90	sqm	365.85	6914.57
43	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :	9.96				
A	300x16 mm	9.96.1	6.00	each	229.65	1377.90
	250x16 mm	9.96.2	88.00	each	189.00	16632.00

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SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
B	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :	9.97				
	200x10 mm	9.97.3	50.00	each	79.25	3962.50
	150x10 mm	9.97.4	0.00	each	65.35	0.00
C	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :	9.100				
	125 mm	9.100.1	100.00	each	69.80	6980.00
D	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.	9.101				
E	Twin rubber stopper	9.101.2	50.00	each	83.95	4197.50
44	P/F of MS Cupboard shutter complete in all respect	MR	0.00	sqm	3430.00	0.00
45	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces, etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sum. of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. With average thickness of 120mm and minimum thickness at khurra as 65 mm.	22.7				
		22.7.1	1057.00	sqm	1019.05	1077135.85
46	P/F of S/S Railing As per approved Drawing & design	10.28	211.50	Kg	619.40	131003.10
47	P/F of MS sheeted door shutter with angle Iron frame	10.5.1	2.10	Sq.M	3073.85	6455.09
48	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade	13.41				
	New work (two or more coats) over and including priming coat with cement primer.	13.41.1	4176.93	sqm	89.70	374670.17
49	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade	13.47				
	New work (Two or more coats applied @ 1.43 ltr/ 10 sum over and including base coat of water proofing cement paint applied @ 2.20 kg/ 10 sum).	13.47.1	2223.41	sqm	94.95	211112.68
50	Two coat of birla Putty on new surface to give smooth surface	13.8	6400.33	sqm	85.40	546588.52
51	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:	13.62				
	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	13.62.1				
	Steel Work		5.04	sqm	106.25	535.50
	Wood Work		237.89	sqm	106.25	25275.81

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SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
52	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm bed by dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.(900mm wide)	4.17				
53	S/Fixing of 4mm thick glass pans with Al. beading.		118.26	sqm	419.30	49586.42
54	Providing and fixing soil, waste and vent pipes RWP:	10.30.1	177.02	Sqm	764.45	135322.94
	110 mm PVC Pipe					
		12.41.2	180.60	metre	231.65	41835.99
55	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.					
A	110 mm PVC Pipe fitting	12.42.5.2	28.00	each	161.55	4523.40
B	Providing and fixing plain bend of required degree.					
	110 mm PVC Pipe fitting	12.42.6.2	28.00	each	295.10	8262.80
56	Filling of cinder in sunken portion	MR	14.00	Cu.m	3400.00	47600.00
57	Providing & fixing of curain rod with bracket complete chrome plated 250 mm dia	9.46.3	137.05	RM	468.75	64242.19
58	Providing & fixing of Tubler truss complete with purlin, foundation bolt & cleats etc. i/c cost of erraction	10.16.2	4800.00	Kg	115.10	552480.00
59	Providing & fixing polycarbonate sheet over required Al section for proper phastening of sheet & sealing of joint wth polymer adhesive i/c cost of all material labour	MR	2323.40	Sq.Ft	360.00	836424.00
60	Providing & fixing of powder coated Aluminium section framing for fixing of ACP cladding	26.1	324.00	Kg	338.25	109593.00
61	Providing & fixing ACP cladding in pannel mettalic colour of approved shed made of 4 mmthick A composite pannel complete with required al.bracket, nylon seperator complete in all respect i/c all material labour (specification as DSR-26.7)	26.7	47.70	Sq.M	3775.3	180081.81
						28155963.00
						0.00
						28155963.00
						28155963.00

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BIL OF QUANTITY

A.E.

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J.E.

(10)

TENDER B.O.Q.

ABSTRACT OF COST

(civil work)

HOSTEL BUILDING

BILL OF QUANTITY
PROJECT- HOSTEL BUILDING AT I.D.T.R. RAEBARELI

PHASE- 1

TENDER BOQ

SI No.	Items	PWD/ CPWD	Qty.	Unit	Rate	Amount
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.		2400.00	Sqm	4.00	9600.00
2	Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M 25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap) :	20.3				
	250 mm dia piles.		215.00	RM	1856.25	399093.75
	300mm dia piles.	20.3.1	1200.00	RM	2123.15	2547780.00
	375 mm dia piles	20.3.2	55.00	RM	2435.60	133958.00
3	Extra over item. 20.3 for providing additional bulb in under reamed piles, under specified dia meter (Only the quantity of extra bulbs are to be paid).	20.4				
	250mm dia piles.	20.4.1	43.00	No.	1354.58	58246.94
	300mm dia piles.	20.4.1	273.00	No.	1474.95	402661.35
	375 mm dia piles.	20.4.2	22.00	No.	1614.45	35517.90
4	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. (For pile work only)					
	Thermo-Mechanical Treated bars.	504	10630.40	kg	68.90	732434.56
						4319292.50
						0.00
						4319292.50

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अधिसाधी अभियन्ता
 राष्ट्रीय स्टेड कान्स्ट्रक्शन एण्ड इन्फ्रास्ट्रक्चर
 डेवलपमेन्ट कारपोरेशन लि० रायबरेली

TENDER B.O.Q.
ABSTRACT OF COST
(civil work)

WORK SHOP

TENDER BOQ

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
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PROJECT- WORKSHOP BUILDING AT I.D.T.R. RAEBARELI

PWD 01/06/15 & DSR2014

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.					
2	Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M 25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap) :	20.3	900.00	Sqm	4.00	3600.00
	300 mm dia piles.	20.3.1				
	400 mm dia piles	20.3.2			2123.15	0.00
3	Extra over item No. 20.3 for providing additional bulb in under reamed piles, under specified dia meter (Only the quantity of extra bulbs are to be paid).	20.4			0.00	0.00
	300mm dia piles.	20.4.1			1474.95	0.00
	400mm dia piles.	20.4.2			0.00	0.00
4	Earth work in excavation by mechanical means (Hydraulic Excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 cum on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					
	All kinds of soil.	251	90.80	cum	95.00	8626.00
5	L.Concrete with 1:4:8 C:C/Sand:40 m.m.S/Ballast Mortar	281				
6	BK.Work in foundation with 1:6 C:Sand mortar	303+ dif	10.40	cum	4990.00	51896.00
7	12/15 m.m.plinth plaster with 1:4 C:C/CS mortar		11.87	cum	4850.00	57569.50
	1:4 (1 cement : 4 coarse sand)	13.4.1	59.19	sqm	172.30	10198.09
8	Applying a coat of residual petroleum bitumen of grade of VG 10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	D.S.R-4.13	50.05	SQM	132.00	6606.60
9	Fine sand filling in trenches		5.89	cum	778.00	4582.42
10	Supply and laying of 400 micron PVC sheet under plinth					
11	25 mm thick DPC with 1:2:4 c:c/sand: s/grit mortar	M.R. 361	50.05	SQM	35.00	1751.75
			9.14	SQM	290.00	2650.60
12	R.C.C.Work with 1:1.5:3 C:C/C:S/Grit 20 m.m.stone grit mortar complete with all material labour T& P					

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TENDER BOQ

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
	RCC 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)					
	In Foundation	279 b	34.14	Cum	7520.00	256732.80
	In Plinth Bend	279 b	0.00	cum	7520.00	0.00
	In Lintel & Projection	283	1.38	cum	8020.00	11067.60
	Projection	283	5.04	cum	8020.00	40420.80
	RCC Coping Over parapet	283	0.60	cum	8020.00	4812.00
	In Column	289	14.26	cum	8520.00	121461.12
13	Brick work in super structure with 1:6 cement :sand mortar i/c all material labour T & P	303,309,310 , diff	19.01	cum	5280.00	100375.97
14	Brick work in super structure with 1:3 cement :C/sand mortar in step i/c all material labour T&P	307,309,310	0.00	cum	5835.00	0.00
15	Brick work in super structure with 1:4 cement :C/sand mortar in 115 mm wall	305b,309,310	1.99	sqm	5585.00	11114.15
16	Brick work in super structure with 1:4 cement :C/sand mortar in 115 mm wall	305b,309,310	3.77	cum	5585.00	21055.45
17	R.C.C.Work with 1:1.5:3 C:C/CS:20 m.m.stone grit mortar also i/c fixing and removal of shuttering complete with all material labour T&P					
A	In slab	284	6.32	cum	8320.00	52582.40
B	In Shelves	283	0.00	cum	8020.00	0.00
18	20 mm bearing plaster with 1:3 C:C/sand mortar & neat cement wash	597	10.31	sqm	212.00	2185.72
19	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.					
	Thermo-Mechanically Treated bars.	504	7262.93	kg	68.90	500415.88
20	Fabrication & supply of Alluminium door/chaukhat section 105*50 mm including fixing with rowel/plug					0.00
	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required	21.1				
	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (fittings shall be paid for separately).	21.1.2				
	Powder coated aluminium (thick 50 Micron)	21.1.2.2	63.24	kg	435.75	27556.83
21	Fabrication & supply of Alluminium window frame / ventilator					
	(A) Al. Window	21.1.1.2	81.00	Kg	377.75	30597.75
	(B) Al.Grill		16.20	Kg	377.75	6119.55
22	Fabrication & Fixing of Al. entrance door shutter	MR	0.00	Sq.M.	5500.00	0.00

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TENDER BOQ

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
23	10 mm thick ceiling plaster with 1:3 cement :C/sand mortar	13.16	264.44	sqm	134.70	35620.07
24	15 mm cement plaster on rough side of single or half brick wall of mix :					
	1:6 (1 cement : 6 coarse sand)	13.5.2	102.12	sqm	183.45	18733.91
25	12 mm cement plaster on the rough side of single or half brick wall of mix :					
	1:6 (1 cement : 6 coarse sand)	13.4.2	143.22	sqm	158.40	22686.05
26	Add or deduct for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.		15.23	mtr	12.00	182.76
27	Earth work in filling under floor upto plinth including watering ramming	Analy	211.49	Cu.M	450.00	95035.50
28	Supply and filling in plinth with sand under floors including, watering, ramming consolidating and dressing complete.		90.43	cum	778.00	70354.54
29	I. Concrete with 1:4:8 C:C/Sand:40 m.m.S/Ballast Mortar	M.R.	60.29	cum	4990.00	300847.10
30	Providing & injecting chemical emulsion for pre-antitermite treatment in four stages		474.20	Sq.M.	230.00	109066.00
31	Cement concrete flooring 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate) finished with a floating coat of neat cement including cement slurry, but excluding the cost of nosing of steps etc. complete.					
	50mm thick with 20mm nominal size stone aggregate	605	421.50	sqm	780.00	328770.00
32	40 mm wide and 4 mm thick glass strip in item No 11.3		1475.25	metre	14.00	20653.50
33	Cement plaster skirting (upto 30 cm height) with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement					
	18 mm thick.	597	6.92	sqm	212.00	1467.04
33A	Providing & preparing of epoxy flooring 2-3 mm thick of approved brand complete with design and marking stripp with different colour over CC floor (cost of CC floor paid seperately) i/c cost of all material labour T&P	MR	4535.34	Sq.ft	225.00	1020451.50
34	Providing and laying polished vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS - 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc. complete.	11.41				
A	Size of Tile 60x60 cm	11.41.2	43.62	sqm	1402.55	61179.23
B	Same as above but for Skirting	11.46.2	47.98	sqm	1415.40	67913.72
35	Providing and fixing 18mm thick gang saw cut mirror polished (premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing moulding and polishing to edge to give high gloss finish etc. complete at all levels.	8.2				

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TENDER BOQ

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
	Area of slab over 0.50 sum.	8.2.2.2	166.22	sqm	3907.40	649488.03
36	Window sill cover with grainite top	8.2.2.1	1.62	sqm	3866.00	6262.92
37	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse sand) including pointing the joints with white cement and matching pigment etc., complete.	11.36				
38	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sum including pointing in white cement mixed with pigment of matching shade complete.	11.37	0.00	sqm	785.40	0.00
39	Extra for providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.	8.3	23.54	sqm	836.65	19694.74
	Granite work.	8.3.2	5.40	m	230.55	1244.97
40	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters.	9.21				
A	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	9.21.2	6.30	sqm	1735.35	10932.71
B	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	9.26		sqm	104.55	0.00
41	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S including cost of adhesive of approved quality.	9.127				
	Providing and fixing of Lamination of door shutter.		25.20	Sqmt	829.70	20908.44
42	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured) Over item no. 9.20 and 9.21.	9.23	6.30	sqm.	365.85	2304.86
43	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :	9.96			0.00	
A	300x16 mm	9.96.1	0.00	each	229.65	0.00
	250x16 mm	9.96.2	6.00	each	189.00	1134.00

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TENDER BOQ

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
B	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :	9.97				
	200x10 mm	9.97.3	3.00	each	79.25	237.75
	150x10 mm	9.97.4	0.00	each	65.35	0.00
C	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :	9.100				
	125 mm	9.100.1	6.00	each	69.80	418.80
D	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.	9.101				
E	Twin rubber stopper	9.101.2	3.00	each	83.95	251.85
44	P/F of MS Cupboard shutter complete in all respect	MR	0.00	sqm	3430.00	0.00
45	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sum. of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300mm height including cleaning the surface before treatment. With average thickness of 120mm and minimum thickness at khurra as 65 mm.	22.7				
			230.81	sqm	1019.05	235206.93
46	P/F of S/S Railing As per approved Drawing & design	10.28	0.00	Kg	619.40	0.00
47	P/F of MS sheeted door shutter with angle iron frame	10.5.1	0.00	Sq.M	3073.85	0.00
48	Distempering with oil binding washable distemper of approved brand and manufacture to give an even shade New work (two or more coats) over and including priming coat with cement primer.	13.41				
			145.05	sqm	89.70	13010.99
49	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade New work (Two or more coats applied @ 1.43 ltr/ 10 sum over and including base coat of water proofing cement paint applied @ 2.20 kg/ 10 sum).	13.47				
			373.87	sqm	94.95	35498.77
50	Two coat of birla Putty on new surface to give smooth surface	13.8				
			518.92	sqm	85.40	44315.60
51	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	13.62				
		13.62.1				
	Steel Work		0.00	sqm	106.25	0.00
	Wood Work		15.12	sqm	106.25	1606.50

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TENDER BOQ

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
52	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm bed by dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth. (900mm wide)	4.17				
53	S/Fixing of 4mm thick glass pans with Al. beading.	10.30.1	19.83	sqm	419.30	8314.72
54	Providing and fixing pvc pipes for RWP: 110 mm PVC Pipe	17.35	6.48	Sqm	764.45	4953.64
		12.41.2	8.40	metre	231.65	1945.86
55	Providing and fixing bend of required degree with access door, insertion rubber washer 3 mm thick, bolts and nuts complete.					
A	110 mm PVC Pipe fitting	12.42.5.2	2.00	each.	161.55	323.10
B	Providing and fixing plain bend of required degree. 110 mm PVC Pipe fitting	12.42.6.2	2.00	each	295.10	590.20
56	Filling of cinder in sunken portion	MR	0.00	Cu.m	3400.00	0.00
57	Providing & fixing of curain rod with bracket complete chrome plated 250 mm dia	9.46.3	10.80	RM	468.75	5062.50
58	Providing & fixing of Tubler truss complete with purlin, foundation bolt & cleats etc. i/c cost of erraction	10.16.2	11200.00	Kg	115.10	1289120.00
59	Supply & installation 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, 57 microns epoxy primer on both side of the sheet and polyester top coat 15-18 microns. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x55mm) with EPDM seal or with polymer coated U or L hooks, bolts and nuts 8mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch in horizontal/ vertical or curved surfaces excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	12.5	817.70	Sq.m	622.00	508609.40
60	Providing & fixing of powder coated Aluminium section frming for fixing of ACP cladding	26.1	72.00	Kg	338.25	24354.00
61	Providing & fixing ACP cladding in pannel, mettalic colour of approved shed made of 4 mmthick Al. composite pannel complete with required al.bracket, nylon seperator complete in all respect i/c all material labour (specification as DSR 26.7)	26.7	13.80	Sq.M	3775.30	52099.14
						6424830.00
						0.00
						6424830.00
					(Rs In Lack)	64.25

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(19)

ABSTRACT OF COST

(SANITARY WORK)

TENDER. B. O. Q.

HOSTEL & ACADEMIC
BLOCK

SL. NO	DSR 2014	DESCRIPTION	UNIT	QTY	RATE (in Rs)	AMOUNT (in Rs)
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ABSTRACT OF COST

PROJECT- C/O IDTR AT RAEBARELI

MAIN BUILDING (INTERNAL PLUMBING)

SL. NO	DSR 2014	DESCRIPTION	UNIT	QTY	RATE (in Rs)	AMOUNT (in Rs)
I SANITARY INSTALLATIONS & C.P FITTINGS						
Sanitary Instalations						
1	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS:7231, Parryware/Hindware/Seabird/Orient (Coral) with all fittings and fixtures complete including cutting and making good the walls and floors wherever required.				
	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests	each	8.00	3392.80	27142.40
2	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS : 7231; Parryware/Hindware/Seabrid /Orient (Coral) with all fittings and fixtures complete including cutting and making good the walls and floors wherever required.				
	17.2.2	W.C. pan with ISI marked black solid plastic seat and lid	each	6.00	3294.05	19764.30
3	17.7.4	Providing & fixing white vitreous china wash basin with C.I. brackets painted white, 15 mm C.P. brass pillar taps, C.P. brass chain with rubber plug, 32mm C.P. brass waste of standerd pattern including cutting & making good the walls wherever required.				
		a)White Vitreous China Flat back wash Basin size 550x400 mm with single 15 mm C.P. brass pillar tap.	each	8.00	1807.10	14456.80
4	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
	17.28.1	Semi rigid pipe				
	17.28.1.1	32 mm dia	each	8.00	76.75	614.00
	17.28.1.2	40 mm dia	each	8.00	82.60	660.80
5	17.31	Providing and fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	each	8.00	793.95	6351.60
6	17.10	Providing and fixing Stainless Steel AISI 304 (18/8) kitchen sink as per I.S. 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required :				
	17.10.1	Kitchen sink with drain board				
	17.10.1.1	510x1040mm bowl depth 250mm	each	0.00	7052.15	0.00

[Signature]

J.E.

सहायक अभियन्ता

यू.पी. स्टेट कान्स्ट्रक्शन एण्ड इन्फ्रास्ट्रक्चर
डेवलपमेन्ट कॉर्पोरेशन, रायबरेली

[Signature]

अधिशाली अभियन्ता
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SL. NO	DSR 2014	DESCRIPTION SANITARY	UNIT	QTY	RATE (in Rs)	AMOUNT (in Rs)
7	17.5	Providing and fixing white vitreous china flat back half stall urinal of size 580*380*350mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in D.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass including painting of fittings and cutting and making good the walls and floors wherever required:				
	17.5.3	Range of Three half stall urinals with 10 litre PV.C. automatic flushing cistern.	each	2.00	13411.10	26822.20
	17.5.2	Range of Two half stall urinals with 5 litre PV.C. automatic flushing cistern.	each	2.00	10332.25	20664.50
	17.5.1	Range of One half stall urinals with 5 litre PV.C. automatic flushing cistern.	each	1.00	6591.10	6591.10
8	8.10	Providing and fixing stone slab table rubbed, edges rounded and polished of size 75x50cm deep and 1.8cm thick fixed in Urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1cement: 2coarse sand: 4graded stone aggregate 6mm nominal size) as per direction of Engineer-in-charge and finished smooth.				
	8.10.2	Granite Stone of approved shade	Sqm.	7.00	3263.50	22844.50
		CP Brass fittings				
9	18.21	Providing and fixing unplasticised PVC connection pipe with brass unions				
	18.21.2	45 cm length				
	18.21.2.1	15 mm nominal bore	each	34.00	68.60	2332.40
10	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931				
	18.49.1	a) 15 mm nominal bore	each	15.00	459.50	6892.50
11	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
	18.51.1	a) 15 mm nominal bore	each	10.00	610.65	6106.50
12	18.53	Providing and fixing C.P. brass angle valve for basin mixer and gysar points of approved quality conforming to IS:8931				
	18.53.1	a) 15 mm nominal bore	each	34.00	507.70	17261.80
13	18.22	Providing and fixing C.P. brass shower rose with 15 or 20mm inlet				
	18.22.2	150 mm diameter	each		86.35	0.00
14		Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931:				
	18.52	15mm nominal bore	each	6.00	619.75	3,718.50
					TOTAL [I]	182223.90
II		SOIL WASTE & VENT PIPES AND FITTINGS				
1		Providing & fixing soil, waste and vent pipes.				
		a) 160mm PVC Pipe	Rm	48.00	1007.00	48,336.00
		a) 110 mm PVC pipe	Rm	58.00	703.00	40,774.00
		a) 90 mm PVC pipe	Rm	48.00	486.00	23,328.00

J.E.

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E.E.

अधिशारी अभियन्ता
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SL. NO	DSR 2014	DESCRIPTION SANITARY	UNIT	QTY	RATE (in Rs)	AMOUNT (in Rs)
2		Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes & fitting of diameters.				
	17.58.1	a) 100mm	No.		243.75	-
	17.58.2	b) 75mm	No.		205.30	-
3		Providing & fixing PVC N trap of self cleansing design with or without ventarm complete, including cost of cutting & making good the walls & floors.				
		a) 100mm inlet & 75mm outlet.	No.	13.00	177.00	2,301.00
		P-Trap	No.	5	450.00	2,250.00
4		Providing & fixing PVC collar.				
		a) 110 mm PVC pipe	No.	24.00	156.00	3,744.00
		a) 90 mm PVC pipe	No.	20.00	101.00	2,020.00
5		Providing and fixing PVC Plane bend.				
		a) 110 mm PVC pipe	Nos.	16.00	205.00	3,280.00
		a) 90 mm PVC pipe	Nos.	14.00	171.00	2,394.00
6		Providing and fixing PVC Door bend.				
		a) 110 mm PVC pipe	Each	16.00	239.00	3,824.00
		a) 90 mm PVC pipe	Nos.	14.00	203.00	2,842.00
7		Providing and fixing PVC Door Tee				
		a) 110 mm PVC pipe	Nos.	2	333.00	666.00
		a) 90 mm PVC pipe	Nos.	2	289.00	578.00
8		Providing and fixing terminal guard.				
		a) 110 mm PVC pipe	Nos.	4	167.00	668.00
		a) 90 mm PVC pipe	Nos.	2	148.00	296.00
9	12.42	Providing and fixing on wall face unplasticised PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS:13592 Type A including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion.				
	12.42.5.2	Bend 87.5 degree				
	12.42.5.2	110 mm Bend	Each		161.55	-
	12.42.6	Shoe (Plain)				
	12.42.6.2	110 mm Shoe	Each		295.10	-
10	12.43	Providing and fixing unplasticised-PVC pipe clips of approved design to unplasticised-PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with MS screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
	12.43.2	110mm	Each	18.00	189.05	3,402.90
					TOTAL [II]	92367.90
III		INTERNAL & EXTERNAL WATER SUPPLY WORKS				
1		Providing & fixing G.I. pipes complete with G.I. fittings & clamps including cutting & making good the walls etc. (internal work)				
		Exposed on wall				
	18.10.1	15 mm dia. nominal bore	Rm.	74.00	215.10	15917.40
	18.10.2	20 mm dia. nominal bore	Rm.	60.00	249.30	14958.00
	18.10.3	a) 25mm dia nominal bore (medium duty)	Rm.		304.15	-

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SL. NO	DSR 2014	DESCRIPTION SANITARY	UNIT	QTY	RATE (in Rs)	AMOUNT (in Rs)
	18.10.4	b) 32mm dia nominal bore (medium duty)	Rm.	12.00	343.20	4,118.40
	18.10.5	c) 40mm dia nominal bore (medium duty)	Rm.		425.65	
1B		Concealed pipe including painting with anticorrosive bitumatic paint, cutting chases and making good the wall.				
	18.11.1	a) 15mm dia nominal bore	Rm.	48.00	306.05	14,690.40
	18.11.2	b) 20mm dia nominal bore	Rm.	68.00	333.85	22,701.80
2	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work :				0.00
	18.12.1	15 mm dia. nominal bore	metre	32.00	186.25	5960.00
	18.12.2	20 mm dia. nominal bore	metre	60.00	209.95	12597.00
	18.12.3	25 mm dia. nominal bore	metre		257.30	0.00
	18.12.4	32 mm dia. nominal bore	metre	48.00	281.05	13490.40
3		Providing and fixing GI Union in GI pipes including cutting and threading the pipe and making long screws etc. complete (new work).				
	18.46.1	15mm dia nominal bore	Nos	12.00	165.25	1983.00
	18.46.2	20mm dia nominal bore	Nos	26.00	188.50	4901.00
	18.46.3	25mm dia nominal bore	Nos		200.10	0.00
	18.46.4	32mm dia nominal bore	Nos	6.00	240.75	1444.50
	18.46.5	40mm dia nominal bore	Nos		316.25	0.00
4		Providing and fixing ball valve (brass) of approved quality complete. (High or low pressure with plastic floats).				
	18.18.3	a) 25mm. Nominal bore	Nos		449.95	
		b) 20 mm nominal bore	Nos.	6	409.90	2459.40
5	18.17	Providing and fixing gun metal gate valve with wheel of approved quality.				
		a) 20mm dia nominal bore	Each	12.00	345.00	4140.00
	18.17.1	a) 25mm dia nominal bore	Each		428.85	0.00
	18.17.2	b) 32mm dia nominal bore	Each	2.00	501.50	1003.00
	17.17.3	c) 40mm dia nominal bore	Each		585.50	0.00
6	18.16	Providing and fixing brass stop cock of approved quality.				
	18.16.2	a) 20 mm nominal bore	Nos.	6.00	344.85	2069.10
	18.16.1	a) 15 mm nominal bore	Nos.	6.00	260.60	1563.60
7	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked indicating the BIS license No. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and over flow pipes but without fitting and base support for tank. [Sintex, Electroplast, Star, Lotus or equivalent having valid ISI license].				
		Capacity in Liters	Per Ltrs	6000.00	7.25	43500.00
8		Making Base For Plateform including B/W, plater Flooring etc.				
			Nos.	6.00	3000.00	18000.00
					TOTAL	154621.60
					[[III]]	
IV SEWERAGE SYSTEM						

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डेवलपमेन्ट कॉर्पोरेशन

SL. NO	DSR 2014	DESCRIPTION	UNIT	QTY	RATE (in Rs)	AMOUNT (in Rs)
1	2.10	Excavating trenches of required width for pipes, cables etc. including excavation for sockets and dressing of sides, ramming of bottoms, depth upto 1.5m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed, within a lead of 50m.				
	2.10.1	All kinds of soil				
	2.10.1.2	Pipes, cables etc. exceeding 80mm dia but not exceeding 300mm.	metre	48.00	208.30	9998.40
2	19.1	Providing, laying and joining 110 mm PVC pipe				
		a) 110mm diameter	metre	48.00	274.80	13190.40
		b) 160mm diameter	metre	30.00	492.35	14770.50
3	19.2	Providing & laying cement concrete 1:5:10 (1 cement :5 coarse sand :10 graded stone aggregate 40mm nominal size) upto haunches PVC. Pipes including bed concrete as per standard design.				
	19.2.1	a) 110mm diameter	metre	48.00	281.65	13519.20
	19.2.2	b) 160mm diameter	metre	30.00	456.45	13693.50
4	19.4	Providing and fixing square-mouth gully trap grade 'A' complete with C.I. grating, brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design				
	19.4.2	150 x 100 mm size P type				
	19.4.2.2	With Sewer bricks conforming to IS : 4885	each	4.00	1664.80	6659.20
5	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement :4 coarse sand) RCC top slab with 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement :4 coarse sand :8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design.				
6	19.7.1	Constructing brick masonry manhole with 150 class designation F.P.S. bricks in cement mortar 1:4 (1 cement :4 coarse sand) RCC top slab with 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20mm nominal size); foundation concrete 1:4:8 mix				
	19.7.1	a) Inside size 60x60 cm & upto 60 cm deep including R.C.C. Cover				
		(i) For Sewer Line	each	14.00	6646.00	93044.00
					TOTAL [IV]	164875.20
NON SCHEDULED ITEMS						

J.E.

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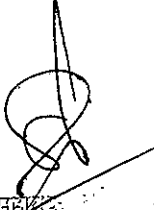
E.E.


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SL. NO	DSR 2014	DESCRIPTION SANITARY	UNIT	QTY	RATE (in Rs)	AMOUNT (in Rs)	
V SANITARY INSTALLATIONS & C.P FITTINGS							
1	NSR	Extra for providing & fixing 125 mm dia C.P. grating in place of C.I. grating over floor traps.	Each	18.00	80.00	1,440.00	
2	NSR	Providing & fixing 60x2cm. C.P. brass towelrail complete with C.P. brass brackets fixed to wooden cleats with C.P. brass screw.PARRYWARE C9948	Each	8.00	900.00	7200.00	
3	NSR	Supplying & Fixing of CP soap tray fixed to the wall with PVC rubber plug with CP brass screws	Each	8.00	800.00	6400.00	
4	NSR	Providing and Fixing C.P. brass Ablution health faucet assembly with 1.2 m long braided PVC hose with mounting bracket fixed on wall complete.[FOR EWC]	Each	6.00	500.00	3000.00	
5	NSR	Providing and fixing C.P. brass Two-way angle valve for EWC points & for fixing Ablution Health Fauct of approved quality conforming to IS:8931. 15 mm nominal bore	Each	6.00	1400.00	8400.00	
6	NSR	Providing & fixing Jaquar make C.P. brass bottle trap	Each	1.00	1050.00	1050.00	
7	NSR	Providing and fixing on Rigid PVC piper under floor a) 160mm diameter	Metre	32.00	650.00	20800.00	
8	NSR	Providing and fixing of special Toilet fitting for physically disabled person complete set of EWC, W basin & guiding rail ,post & handle of approved make i.e. CERA, HINDWARE etc.	Set	2.00	105000.00	210000.00	
						TOTAL [V]	258290.00
TOTAL I+II+III+IV+V							852378.60
							0.00
							852378.60

TENDER


 सहसंचालक
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 डेवलपमेन्ट कार्पोरेशन, रायबरेली

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TENDER B.O.Q.

ABSTRACT OF COST

(EXTERNAL SANITARY & SITE DEVELOPEMENT)

Abstract Of Cost**PROJECT- C/O I.D.T.R. AT RAEBARELI****Site development Work**

S.NO	ITEM	NO	L	B	H/D	QNTY	PER	RATE	AMOUNT
1	C/o of Septic Tank complete in all respect								
	50 User,s								
	ACADEMIC BLOCK	1.00				1.00			
	HOSTEL	2.00				2.00			
						3.00	No	86290.00	258870.00
	10 USER								
	Santry post	1.00				1.00	No.	18628.00	18628.00
2	C/o Soak Pit complete in all respect								
	2.25 m Dia 3.0 M depth	2.00				2.00	No.	51153.00	102306.00
	1.50 m Dia 2.10 M Depth	1.00				1.00	No.	20943.00	20943.00
3	Construction of manhole cover of internal size 600 *600 m.m.complete in all respect								
	ACADEMIC BLOCK	8.00				8.00			
	HOSTEL	11.00				11.00			
	Santry post	2.00				2.00			
						21.00	No	6646.00	139566.00
4	Supply & laying of 150 m.m.dia P.V.C.pipe for sewage disposal								
	ACADEMIC BLOCK	1.00	54.0			54.00			
	HOSTEL	1.00	45.00			45.00			
	Santry post	1.00	12.00			12.00			
	S.T. To S.P.	3.00	4.00			12.00			
	for Road cross	10.00	12.00			120.00			
	for Road cross	4.00	24.00			96.00			
						339.00	M.	550.00	186450.00
5	Providing & laying cement concrete 1:5:10 (1 cement :5 coarse sand :10 graded stone aggregate 40mm nominal size) upto haunches PVC Pipes including bed concrete as per standard design.								
	DSR 19/2.2								
	b) 160mm diameter	1.00	339.00			339.00			
	NET Qnty					339.0	RM	456.45	154736.55
6	Construction of Approach road of P.C.C. paver block laid over sand cushion complete in all respect								
	Approach road	2.00	24.00	6.00		288.00			
	ACADEMIC BLOCK	1.00	24.00	8.00		192.00			
	HOSTEL	2.00	12.00	6.00		144.00			
	work shop	1.00	21.00	6.00		126.00			
		1.00	9.50	6.00		57.00			
						807.00	Sq.	1764.00	1423548.00

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Site development Work

S.NO	ITEM	NO	L	B	H/D	QNTY	PER	RATE	AMOUNT
7	Construction of side Drain Of size 150*200 m.m.								
	M/Bldg	1.00	95.00			95.00			
	Hostel	1.00	135.00			135.00			
		1.00	45.00			45.00			
						275.00	M.	628.00	172700.00
8	Construction of connecting Drain Of size 300*300 m.m.								
	M/Bldg	1.00	35.00			35.00			
	Hostel	1.00	48.00			48.00			
		1.00	24.00			24.00			
						0.00			
						107.00	M.	1403.00	150121.00
9	Construction of Main Drain Of size 450*450 m.m.								
	M/Bldg	1.00	65.00			65.00			
	Hostel	1.00	71.50			71.50			
	For disposal	1.00	90.00			90.00			
						226.50	M.	2002.00	453453.00
10	(D) Water Supply Distribution line								
	DSR 18.12								
	Laying of G.I.Pipe								
	50 mm dia								
	Loop	2.00	165.00			330.00			
		2.00	85.00			170.00			
		1.00	65.00			65.00			
						565.00	M	399.50	225717.50
	32 mm dia								
	for Connection M/Bldg	4.00	36.00			144.00			
	Hostel	2.00	30.00			60.00			
	Workshop	1.00	48.00			48.00			
						252.00	M	281.05	70824.60
	20 mm dia								
	For Gardening	24.00	30.00			720.00	M	209.95	151164.00
	15 mm dia								
	For Gardening	24.00	6.00			144.00	M	186.25	26820.00
	P/fixing of gun metal Gate Valve								
	DSR 18.17								
	50 mm Dia	6.00				6.00	No.	750.75	4504.50
	32 mm Dia	10.00				10.00	No.	501.50	5015.00
	20 mm dia	24.00				24.00	No.	344.25	8262.00
	15 mm dia	12.00				12.00	No.	260.60	3127.20
									3576756.35
									0.00
									3576756.35
								say (In Laks)	35.77

J.E.

A.E.

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डेवलपमेन्ट कॉर्पोरेशन

E.E.

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TENDER B.O.Q.

ABSTRACT OF COST

(ROAD WORK)

(30)

**MEASUREMENT DETAIL & ABSTRACT OF COST
ROAD WORK (TRACK)**

Description of work	No.	L	B	H	Qty.	Unit	Rate	Amount
2	3	4	5	6	7	8	9	10
Construction of different type of track in campus ,i.e. Bituminous road over suitable grade WBM complete with required road marking and side Kerb stone complete in all respect								
2 Lane Straight Road	1	344.00	7.50		2580.00			
		344.00			2580.00		2846.00	7342680.00
Parking Area	1	30.00	45.00		1350.00			
					1350.00		2846.00	3842100.00
Hump Road					728.00		2846.00	2071888.00
3 Point Turn					382.00		2846.00	1087172.00
5 Point Turn					318.00		2846.00	905028.00
S-Shaped Bend & V Bend					1625.00			
					1625.00		2846.00	4624750.00
8- Shaped Bend					2566.00		2846.00	7302836.00
4-Lane Road	1	110.00	15.00		1650.00			
		110.00			1650.00		2846.00	4695900.00
6-Lane Road	1	215.00	23.50		5052.50			
		215.00			5052.50		2846.00	14379415.00
Reversing Box					115.00		2846.00	327290.00
							Total	46579059.00
							TOTAL COST	46579059.00

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डेवलपमेन्ट कार्पोरेशन, रायबरेली

अधिशाली अभियन्ता
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(31)

DETAIL OF MEASUREMENT & ABSTRACT OF COST

Name of work :- C/O I.D.T.R. AT RAIBARELI

TAKEN 3750 mm Wide x 1000 meter =3750 Sq.m

Sl. No.	Sch.	Items	No.	L	B	H	QNTY	Unit	Rate	Amount
1	16.1	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 22.5 cm. depth, dressing to camber and consolidating with road roller including making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth lead upto 50 metres.	1	1000.00	3.75		3750.00			
		Add extra for curve	15%				562.5			
							4312.50	Sq.M.	81.29	350563.13
2	16.7	Brick edging in full brick width and half brick depth including excavation, refilling and disposal of surplus earth lead upto 50 metres.								
	16.7.1	With F.P.S. bricks of class designation 150								
			2	1000.00			2000.00			
		Add extra for curve	15%				300			
							2300.00	M	124.30	285890.00
3		(i) Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80 -100 kN static roller in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering, and compacting to the required density Grading 1 as per Technical Specification Clause 404 MORTH & 405 MORD. For compacted thickness of 100 mm.								
		WBM Grading 1 (45 -90 mm stone aggregate)	1	1000.00	3.75	0.10	375.00			
		Add extra for curve	15%				56.25			
							431.25	Cu.M	4107.49	1771357.00
4		Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per Technical Specification Clause 405 MORD / 404 MORTH. For compacted thickness of 75 mm.								
		WBM Grading 2 (40 -63 mm stone aggregate)	1	1000.00	3.75	0.075	281.25			
		Add extra for curve	15%				42.19			
							323.44	Cu.M	4061.08	1313516.53

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Sl. No	Sch.	Items	No.	L	B	H	QNTY	Unit	Rate	Amount
5		(f) Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405 MORD/ 404 MORTH. For compacted thickness of 75 mm.								
		WBM Grading 3 (22.4-53 mm stone agregate)	1	1000.00	3.75	0.075	281.25			
		Add extra for curve	15%				42.1875			
							323.44	Cu.M	4409.91	1426330.59
6	16.25	Surface dressing on new surface with paving bitumen of grade VG 10 of approved quality using 2.25 kg of bitumen per sum with 1.65 cum of stone chippings 13.2 mm nominal size per 100 sum of road surface including consolidation with road roller of 6 to 8 tonne capacity etc. complete:								
			1	1000.00	3.75		3750.00			
		Add extra for curve	15%				562.5			
							4312.50	Sq.m	192.85	831665.63
7	16.30	Providing and applying tack coat using hot straight run bitumen of grade VG 10 including heating the bitumen, spraying the bitumen with mechanically operated spray unit fitted on bitumen boiler, cleaning and preparing the existing road surface as per specifications :								
	16.30.1	On W.B.M. @ 0.75 Kg / sum.	1	1000.00	3.75		3750.00			
		Add extra for curve	15%				562.5			
							4312.50	Sq.M	53.75	231796.88
8		Providing and laying bituminous concrete with 100 THP batch type hot mix plant producing and average output of 75 tonne per hour using crushed aggregates of specified grading, premixed with bituminous binder as per job mix, transporting the hot mix to work site laying with a hydrostatic paver finisher with sensor control to the required grade level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH & H Specifications clause 509 complete in all respects.								
			1	1000.00	3.75	0.05	187.50			
		Add extra for curve	15%				28.125			
							215.63	Cu.M	12890.04	2779414.88

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E.E.

Sl. No	Sch.	Items	No.	L	B	H	QNTY	Unit	Rate	Amount
9	16.41	Providing and laying seal coat over prepared surface of road with bitumen heated in bitumen boiler fitted with the spray set spraying using 98 kg of bitumen of grade 80/100 and blinding surface with 0.90cum of stone aggregate of 6.7 mm size (Passing 11.2mm sieve and retained on 2.36mm sieve) per 100 sum of road surface including rolling and finishing with power road roller all complete.								
			1	1000.00	3.75		3750.00			
		Add extra for curve	15%				562.5			
							4312.50	Sq.M	100.35	432759.38
10	16.48	Painting road surface marking with adequate no. of coats to give uniform finish with ready mixed road marking paint conforming to IS : 164, on bituminous surface in white/yellow shade including cleaning the surface of all dirt, scales, oil, grease and foreign material etc. complete.								
	16.48.1	New work (Two or more coats).								
		Side	2	1000.00	0.15	-	300.00			
		Center	1	1000.00	0.15	-	150.00			
		Zebra	100	2.00	0.15	-	30.00			
		Kerb stone	2	1000.00	0.45	-	900.00			
		Extra	50	6.00	0.15	-	45.00			
							1425.00			
		Add extra for curve	15%				213.75			
							1638.75	M ²	122.15	200173.31
11		Providing and fixing at or near ground level precast concrete in kerbs, edgings etc. as per approved pattern and setting in position with cement mortar 1:3 (1 Cement : 3 coarse sand) including the cost of required centring, shuttering and finishing smooth with 6mm thick cement plaster 1:3 (1 cement : 3 fine sand) on exposed surfaces complete.								
	DSR 4.6.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size).	2	1000.00	0.50	0.16	160.00			
		Add extra for curve	15%				24			
							184.00	Cu.M	5714.95	1051550.80
										10675018.13
										0.00
										10675018.13
		Hence Rate for one Sq.M								2846.00

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E.E.

Analysis of Rate

S.No	Ref. to MORT	Description	Unit	Quantity	Rate Rs.	Amount
1	2	3	4	5	6	7
1	507	Dense Graded Bituminous Macadam				
		Providing and laying dense graded bituminous with 100 THP batch type HMP producing an average output of 75 tonne per hour using crushed aggregates of specified grading, premixed with bituminous binder as per job mix transporting the hot mix to work site mix transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORT & H Specifications clause 507 complete in all respects.				
		Unit = Cum				
		Taking Output = 195 cum (450 tonners)				
	(a)	Labour				
		Mate	day	0.84	363.00	304.92
		Mazdoor working with HMP, mechanical broom, paver, roller, asphalt cutter and assistance for setting out lines, levels and layout of construction	day	14.00	363.00	5082.00
		Skilled mazdoor for checking line & levels.	day	5.00	363.00	1815.00
	(b)	Machinery				
		Batch mix hmp 100 TPH @ 100 tonne per hour actual output	hour	6.00	17500.00	105000.00
		Paver finisher hydrostatic with mechanical control @ 100 cum per hour	hour	6.00	1000.00	6000.00
		Generator 250 KVA	hour	6.00	700.00	4200.00
		Front end loader 1 cum bucket capacity (Rs 5000 per day)	hour	6.00	2500.00	15000.00
		Tipper 10 tonne capacity	T.Km	450x50	3.00	67500.00
		Add 10 per cent of cost of carriage to cover cost of loading and unloading				151.88
		Smooth wheeled roller 8-10 tonne for initial break down rolling	hour	6.00x0.65	460.00	1794.00
		Vibratory roller 8 tonne for intermediate rolling	hour	6.00x0.65	1541.00	6009.90
		Finish rolling with 8 tonne smooth wheeled tandem roller.	hour	6.00x0.65	1144.00	4461.60
		Add for extra carriage from plant to site (upto 50.0 Km)	Cu.m	195	456.00	88920.00
5.6	507	Dense Graded Bituminous Macadam				
	(c)	Material				
	(d)	i) Bitumen VG 30 @ 4.5 percent of mix weight of mix = 205x2.2=450 tonne	tonne	20.25	55855.59	1131075.74
		ii) Aggregate				
		Total weight of mix = 450 tonnes				
		Weight of bitumen = 20.25 tonnes				
		Weight of aggregate = 450-20.25 = 429.75 tonnes (Volume of aggregate = 286.5 cum)				
		Grading II (19 mm nominal size)				
		25-10 mm 30 per cent	cum	85.95	2577.80	221561.91

(35)

S.N.	Ref. to MORT	Description	Unit	Quantity	Rate Rs.	Amount
		10-5 mm 28 per cent	cum	80.22	2381.50	191043.93
		5 mm 40 per cent	cum	114.60	1896.40	217327.44
					1517.20	
		Filler @ 2 per cent of weight of aggregates	cum	5.73	1757.80	10072.19
						2077320.51
(d)		Add over Head @ 10%	10%			207732.05
						2285052.56
(e)		Contractor's profit @ 10%	10%			228505.26
						2513557.82
		Rate per cum = (a+b+c+d+e)/195 (for Grading II)				12890.04
		Although the rollers are required only for 3 hours as per norms of output, but the same have to be available at site for six hours as the hot mix plant and paver will take six hours for mixing and paver the out put of 450 tonne considered in this analysis, to cater for the idle period of these rollers, their Quantity of bitumin has been taken for analysis purpose. The actual quantity will depend upon job mix formula. Labour for traffic control, watch and ward and other miscellaneous duties at site including sundries have been included in administrative overheads of the contractor. In case DBM is laid over freshly laid tack coat, provision of mechanical broom and 2 mazdoors shall be deleted as the same has been included in the cost of tack coat.				
					Rate per cum	12890.04

Say Rs. 12890.00

TENDER

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ANALYSIS OF RATE

		DESCRIPTION	UNIT	QNTY		RATE	AMOUNT
KRR-SBBS-9	9	Water Bound Macadam Sub-base/base					
	A	With stone screening / binding materials					
	I	WBM Grading 1 (45-90 MM Stone Agregate)					
		(i) Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with three wheel 80 -100 kN static roller in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 1 as per Technical Specification Clause 404 MORTH & 405 MORD. For compacted thickness of 100 mm.					
		By Manual Means (Common for rural & urban works)					
		Unit = cum.					
		Taking output = 360 cum					
		a) Labour					
		Mate	day				
		Mazdoor (Skilled)	day	12.08		363.00	4385.04
		Mazdoor (Unskilled)	day	250.00		329.00	82250.00
		b) Machinery					
		Three wheel 80-100 kN static roller @ 10 cum per hour for Rural Area works	hour	36.00			
		(OR)					
		Three wheel 80-100 kN static roller @ 30 cum per hour for R&B & Urban Works	hour	12.00			
		(OR)					
		Vibratory roller 8-10 tonnes @ 60 cum per hour	hour	6.00	1.60	1300.00	12480.00
		Water tanker 6 kl capacity	hour	24.00	1.60	150.00	5760.00
		c) Material (Refer Tables 400, 403, 9 and 10)					
		Aggregate					
		Grading 1 90 mm to 45 mm @ 1.21 cum per 10 sqm for compacted thickness of 100 mm	cum	435.60		1867.50	813483.00
		Stone Screenings					
		Type A 13.2mm for Grading-1 @ 0.27 cum per 10sqm	cum	97.20		2381.50	231481.80
		Binding Material					
		Binding Material @ 0.08 cum per 10 sqm for grading 1 material	cum	28.80		1757.80	50624.64
		Water	kl	144.00		150.00	21600.00
							1222064.48
		d&e) Overheads & Contractors Profit					122206.45
							1344270.93
							134427.09
							1478698.02
		Cost for 360 cum = a+b+c+d+e (Vibratory Roller)					
		Rate per cum = (a+b+c+d+e)/360					4107.49

ANALYSIS OF RATE

	DESCRIPTION	UNIT	QNTY		RATE	AMOUNT
II	WBM Grading 2 (40-60 mm Stone Agregate)					
(i)	Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening/binding materials to fill-up the interstices of coarse aggregate, watering and compacting to the required density grading 2 as per Technical Specification Clause 405 MORD / 404 MORTH. For compacted thickness of 75 mm.					
	By Manual Means					
	Unit = cum					
	Taking output = 360 cum					
	a) Labour					
	Mate	day				
	Mazdoor (Skilled)	day	12.08		363.00	4385.04
	Mazdoor (Unskilled)	day	250.00		329.00	82250.00
	b) Machinery					
	Three wheel 80-100 kN static roller @ 10 cum per hour for Rural Area works	hour	36.00			
	(OR)					
	Three wheel 80-100 kN static roller @ 30 cum per hour for R&B & Urban Works	hour	12.00			
	(OR)					
	Vibratory roller 8-10 tonnes @ 60 cum per hour	hour	6.00	1.60	1300.00	12480.00
	Water tanker 6 kl capacity	hour	24.00	1.60	150.00	5760.00
	c) Material (Refer Tables 400.7, 8, 9 and 10 MORD/ 400.6, 7, 8 & 9 MORTH)					
	Aggregate					
	Grading 2 63 mm to 45 mm @ 0.91 cum per 10 sqm for compacted thickness of 75 mm	cum	435.60		2052.30	893981.88
	Stone Screening					
	Type B 11.2 mm for Grading 2 @ 0.18 / 0.20 cum/10sqm	cum	86.40			
	(OR)					
	Type B 13.2 mm for Grading 2 @ 0.12 cum per 10sqm	cum	57.60		2381.50	137174.40
	Binding Material					
	Binding Material @ 0.06 cum per 10 sqm for Grading 2 material	cum	28.80		1757.80	50624.64
	Water	kl	144.00		150.00	21600.00
						1208255.96
	d&e) Overheads & Contractors Profit	10.00%				120825.60
						1329081.56
		10.00%				132908.16
	TOTAL					1461989.71
	Using 13.2 mm for Grading 2					
	Cost for 360 cum = a+b+c+d+e (Vibratory Roller)					
	Rate per cum = (a+b+c+d+e)/360					4061.08

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ANALYSIS OF RATE

	DESCRIPTION	UNIT	QNTY		RATE	AMOUNT
III	WBM Grading 3 (22.4-53 mm stone Agregate)					
	(i) Providing, laying, spreading and compacting stone aggregates of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with smooth wheel roller 80-100 kN in stages to proper grade and camber, applying and brooming, stone screening to fill-up the interstices of coarse aggregate, watering and compacting to the required density Grading 3 as per Technical Specification Clause 405 MORD/ 404 MORTH. For compacted thickness of 75 mm.					
	By Manual Means					
	Unit = cum					
	Taking output = 360 cum					
	a) Labour					
	Mate	day	-			
	Mazdoor (Skilled)	day	12.08		363.00	4385.04
	Mazdoor (Unskilled)	day	250.00		329.00	82250.00
	b) Machinery					
	Three wheel 80-100 kN static roller @ 10 cum per hour for Rural Area works	hour	36.00			
	(OR)					
	Three wheel 80-100 kN static roller @ 30 cum per hour for R&B & Urban Works	hour	12.00			
	(OR)					
	Vibratory roller 8-10 tonnes @ 60 cum per hour	hour	6.00	1.60	1300.00	12480.00
	Water tanker 6 kl capacity	hour	24.00	1.60	150.00	5760.00
	c) Material (Refer Tables 400.7, 8, 9 & 10 MORD/ 400.6, 7, 8 & 9 MORTH)					
	Aggregate					
	Grading 3 53 mm to 22.4 mm @ 0.91 cum per 10 sqm for compacted thickness of 75 mm	cum	435.60		2133.10	929178.36
	Stone Screening					
	Type B 11.2 mm for Grading 3 @ 0.18 cum per 10sqm	cum	86.40		2381.50	205761.60
	Binding Material					
	Binding Material @ 0.06 cum per 10 sqm for Grading 2 material	cum	28.80		1757.80	50624.64
	Water	kl	144.00		150.00	21600.00
						1312039.64
	d&e) Overheads & Contractors Profit					131203.96
		10.00%				1443243.60
		10.00%				144324.36
	TOTAL					1587567.96
	Cost for 360 cum = a+b+c+d+e (Vibratory Roller)					
	Rate per cum = (a+b+c+d+e)/360					4409.91

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(39)

TENDER B.D.Q.

ABSTRACT OF COST

(HORTICULTURE)

(40)

TENDER B.O. 12.

ABSTRACT OF COST

(STREET LIGHTING)

(41)

TENDER BOQ.

ABSTRACT OF COST

(O.H.T.)

(42)

PROJECT- C/O I.D.T.R AT RAEBARELI					
O.H.T. ,PUMP HOUSE BORING & PUMP					
ABSTRACT OF COST (100 K.L. R.C.C. OVER HEAD TANK)					
1	Cost for O.H.T.	100000.00	KL	25.00	2500000.00
2	Cost for rising main pipe line.		(L. S.)		
	Inlet 65 mm	42.00	RM	524.25	22018.50
	Outlet 80 mm	30.00	RM	637.05	19111.50
	Wash out 50 mm	30.00	RM	399.50	11985.00
	Overflow 65 mm	36.00	RM	524.25	18873.00
	Sluice Valve				
	80 mm	1.00	No	2950.00	2950.00
	65 mm	2.00	No	2450.00	4900.00
	50 mm	1.00	No	1950.00	1950.00
3	Cost for Water Metere gauge.				35000.00
4	Cost for Earthing Lighting Conductor.				35000.00
5	Cost of Tubewell & pump				685800.00
6	Cost of pump Room				197773.09
				TOTAL	3535361.09
				G. TOTAL	3535361.09
			Say Rs.	35.35	Lacs.

TENDER

सहायक अभियन्ता
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डेवलपमेन्ट कापोरेशन, रायबरेली

अधिशाली अभियन्ता
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BILL OF QUANTITY OF PROPOSED PUMP ROOM						
ABSTRACT OF COST						
PUMP ROOM AT I.D.T.R. RAEBARELI						
S.No	DESCRIPTION	SOR No.	QTY	UNIT	RATE	AMOUNT
1.	Earth work in excavation in trenches for foundations and pipes cables etc in ordinary soil (lean clay or sand) including lift upto 1.5 m, lead upto 50 m and dressing of sides and ramming of bottom and disposal of surplus excavated earth as directed by the Engineer- in- charge with in a lead of 50m .(Including rovalty)	251	10.47	CUM	95.00	994.19
2	Filling of carted earth.	Analysis	4.05	CUM	460.00	1863.00
3	Sand filling in plinth under floor including watering, ramming, consolidating and dressing complete lead up to 50m and lift upto 1.5m including cost of sand.	Analysis	1.35	CUM	778.00	1050.30
4	Providing and laying in cement concrete 1:4:8 (1 cement :4 coarse sand :8 graded stone ballast 40 mm nominal size) and curing complete,including cost of form- work,in foundation and floors.	281	3.18	CUM	4990.00	15853.23
5	Providing and injecting chemical emulsion for preconstructional antitermite treatment and creating a chemical barrier under and around the column pits wall trenches basement excavation top surface if plinth filling junction of wall and floor, along the external perimeter of binding expansion joints, surroundings of pipes and conduits etc, complete (plinth area of the building at ground floor only shall be measured as per I.S.6313 (Part II 1981) Alderine emulsifiable concentrate or any other approved material such as Heprachlor or chlordance will be used. The rate of application of chemical emulsion shall be as follows: (1) Treatment for masonry & foundation 5 liters per/ sqm. (2) Back fill in immediate contact with foundation 7.5 liters/sqm (3) Treatment of top surface of plinth, filling 5 litres per sqm (4) Treatment of soil along external perimeter of building 7.5 liters/sqm. (5) Treatment of soil under apron along external	p.e. 2015	12.00	SQM	230.00	2760.00
6	Fine sand filling in trenches	analysis+				
		PWD 255	8.14	CUM	778.00	6332.61
7	Applying a coat of residual petroleum bitumen of grade of VG-10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil	D.S.R- 4.13	36.82	SQM	132.00	4860.50
8	Supply and Laying of 400 micron PVC sheet under plinth	M.R.	46.51	SQM	35.00	1627.92
9	R.c.c. work with cement approved coarse sand and 2 cm. (3/4") guage approved stone ballast in the proportion 1:1.5:3,(1cement 1.5 coarse sand 3grit) in lintels of doors and windows excluding supply of reinforcement and its fixing and bending but including its fixing and binding the same necessary with 24 BWC binding wire and including necessary centering and shuttering etc and also including supply of all materials, labour and tools and plants etc, required for proper completion of the works. strength of the concrete shall not be less than 20	Analysis	0.59	CUM	8020.00	4766.45
10	As in item 7 above but for slabs (Using 1:1.5:3 Mix concrete)	Analysis	1.46	CUM	8320.00	12154.49
11	Class 150 brick work in 1:6 cement and coarse sand of 2.25 fineness modulus mortar in foundation and plinth including supply of all materials, labour and tools and plants etc. required for proper completion of the work.	Analysis	5.79	CUM	4850.00	28103.91

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ABSTRACT OF COST

PUMP ROOM AT I.D.T.R. RAEBARELI

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S.No	DESCRIPTION	SOR No.	QTY	UNIT	RATE	AMOUNT
12	Same as in item no. 11 above but in super-structure above plinth level up to floor two level (up to two storeys) including necessary cutting and moulding of brick work as required and also including honey combed brick work in thickness of wall more than 12cms. IN 1:6 Cement and coarse sand.	Analysis	7.26	CUM	5280.00	38354.31
13	Same as in item no. 13 but in 1:4 cement and coarse sand mortar in superstructure for wall thickness 12 cms & below brick work.	Analysis	0.92	CUM	5585.00	5156.18
14	Supply and Laying of 400 micron PVC sheet on plinth band	M.R.	2.76	SQM	35.00	96.76
15	Providing and fixing ISI marked flush door shutters conforming to IS : 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters: 30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws	D.S.R. 9.21	1.89	SQM	1735.35	3279.81
16	Mild steel or iron work of small sizes and sections such and holding down bolts, hold fast tierods, gratings etc. (when not included in an over all rates) wrought to required from including supply of steel and its wastage including cost of bolts, nuts if required for and welding, grinding and making holes as required completion of work fabrication of holes doors chaukhats nosing					
a.	Fabrication of hold fast for door chaukhats and windows.	PWD-503	2.56	KG	75.90	194.15
b.	Fabrication of grill / stairs case railing.		1.13	SQM	1506.00	1694.25
c.	Fabrication of Z-section steel windows.		1.80	SQM	2078.00	3740.40
d.	Angle iron door chaukhats .35x35x5)	PWD-503	13.26	KG	75.90	1006.43
17	Fixing of steel or wooden chaukhats in position. (a) Door chaukhats window chaukhats above 1.5 sqm And upto 3.0 sqm. (b) Window chaukhats up to 1.5 sqm (c) Ventilator chaukhats					
			1.00	NOS	157.50	157.50
			2.00	NOS	157.50	315.00
				NOS	120.00	
18	Mild steel or iron in plain work such as reinforced concrete or reinforced, brick work (when not included in an over all rates) wrought to required shape as necessary including bending for proper completion of the work and including supply of steel its wastage bend hooks and authorised over lapping shall be measured upto floor two level	504	1.90	QTL	6890.00	13091.18
19	12 mm cement plaster of mix: 1:6 (1 cement: 6 coarse sand)	DSR-13.4.2	67.26	SQM	158.40	10654.62
20	15 mm cement plaster on rough side of single or half brick wall of mix: 1:6 (1 cement: 6 coarse sand)	DSR-13.5.2	28.07	SQM	183.45	5148.52
21	6 mm cement plaster of mix :1:3 (1 cement : 3 fine sand)	13.16.1	10.44	SQM	134.70	1406.27
22	Making grooves 10 to 12 mm widex 8mm deep in plaster of the wall or in ceiling vertically or horizontally as required.	2008 lko	12.00	RM	14.00	168.00
23	Add for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.	DSR-5.30	26.76	RM	30.75	822.87
24	Cement concrete flooring 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20mm nominal size) laid in one layer finished with a floating coats neat cement (25 mm thick floor).	(PWD-601	12.63	SQM	245.00	3094.35

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ABSTRACT OF COST						
PUMP ROOM AT I.D.T.R. RAEBARELI						
S.No	DESCRIPTION	SOR No.	QTY	UNIT	RATE	AMOUNT
25	Cement concrete floor with cement approved coarse sand and 2cm. Graded approved stone ballast laid in panels finished with 3mm (1/8") floating coat of neat cement or cement and marble dust in ratio of 5:1 as specified over and including 8 cm. (3") local sand and brick ballast 4 cm. gause in proportion of 1:4:8 and removing any giving then a uniform finish,including supply of 'all materials, labour, T&P etc. required for proper	605	9.00	SQM	370.00	3330.00
26	Cement plaster skirting up to 30 cm height, with cement mortar 1:3 (1cement : 3 coarse sand), finished with a floating coat of neat cement 18 mm thick	597	2.71	SQM	212.00	574.52
27	Painting two coat over priming coat (but including cost of priming coat) on steel and other metal surfaces up to 10 cm. width or girth or small articles not exceeding 0.10sqm in area white superior synthetic enamel such as LUXOL3,Hi-gloss apcolite superlac, DULUX specified brushing to give an even shade and including cleaning the surface of all dirt,dust and other foreign matter sand papering and stoping including cost of all materials, labour tools and plants etc. required for proper completion of the work	641+642	7.88	SQM	93.00	733.21
28	Same as item above but on new wood surface.	641+642	3.78	SQM	93.00	351.54
29	Finishing walls with water-proofing on cement paint of approved make such as super snowcem, durrocem, robiacem, guttucem supercem quality and of required shade on undecorated wall surfaces (two coat) overone and including one coat white cement primer to give an even shade after thoroughly brushing the surface to powdered materials including curing and cost of all materials	660+661	67.26	SQM	68.00	4573.95
30	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade New work (two or more coats) over and including water tinnable priming coat with cement primer.		38.51	SQM	89.70	3453.90
31	Fixing panes of glass with putal or equivalent I.S.I. marked quality putty, brads and springs complete. (a) 4 mm thick	DSR-10.30.	2.25	SQM	764.45	1720.01
32	Providing and fixing glass strips in joints of terrazo/ cement concrete floors. 40 mm wide and 4 mm thick	DSR-11.13.	44.21	RM	50.05	2212.46
33	Providing and fixing oxidised sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete : 300x16 mm	DSR 9.62.1	1.00	NOS	173.20	173.20
34	Providing and fixing oxidised tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete : 300x10 mm	DSR9.63. 1	1.00	NOS	66.95	66.95
35	Providing and fixing oxidised handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete : 125 mm	DSR9.66. 2	2.00	NOS	26.40	52.80

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ABSTRACT OF COST						
PUMP ROOM AT I.D.T.R. RAEBARELI						
S.No	DESCRIPTION	SOR No.	QTY	UNIT	RATE	AMOUNT
36	Providing and laying integral cement based water proofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc consisting of following operations: a) Applying a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with water proofing compound conforming to IS. 2645 and approved by Engineer-in-charge over the RCC slab including adjoining walls upto 300 mm height including cleaning the surface before treatment. b) Laying brick bats with mortar using broken bricks/brick bats 25 mm to 115 mm size with 50% of cement mortar 1:5 (1 cement : 5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge over 20 mm thick layer of cement mortar of mix 1:5 (1 cement :5 coarse sand) admixed with water proofing compound conforming to IS : 2645 and					
	Engineer-in-charge to required slope and treating similarly the adjoining walls upto 300 mm height including rounding of junctions of walls and slabs c) After two days of proper curing applying a second coat of cement slurry using 2.75 kg/ sqm of cement admixed jointless cement mortar of mix 1:4 (1 cement :4 coarse sand) admixed with water proofing compound conforming to IS : 2645 and approved by Engineer-in-charge including laying glass fibre cloth of approved quality in top layer of plaster and finally finishing the surface with trowel with neat cement slurry and making pattern of 300x300 mm square 3 mm deep. e) The whole terrace so finished shall be flooded with water for a minimum period of two weeks for curing and for final test. All					
	operations to be done in order and as directed and specified by the Engineerin- Charge : With average thickness of 120 mm and minimum thickness at khurra as 65 mm.	DSR- 22.7.	10.38	SQM	1019.05	10577.74
37	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes conforming to IS : 13592 Type A including jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. (i) Single socketed pipes. 110mm diameter		4.40	Mtr	274.00	1205.60
					TOTAL	197773.09
					G.TOTAL	197773.09
				SAY Rs.	1.98	LACS.

TENDERS

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TENDER B.O.Q.

ABSTRACT OF COST

(M.S.GATE & SECURITY CABIN)

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NAME OF WORK :-C/O INSTITUTE OF DRIVING TRAINING & RESEARCH (IDTR) AT RAEBARELI

S. No.	DESCRIPTION	AMOUNT
1	SECURITY CABIN	
A	COST OF CIVIL WORK	548367.00
B	COST OF INTENAL SANITARY WORK	88023.63
C	COST OF INTERNAL ELECTRIFICATION	30000.00
	TOTAL	666390.63
	SAY (IN LACK)	6.66
2	SANTRY POST (02 No.)	
A	COST OF CIVIL WORK	770806.00
C	COST OF INTERNAL ELECTRIFICATION	25000.00
	TOTAL	795806.00
	SAY (IN LACK)	7.96
3	M.S. GATE	
	Providing & fixing of MS gate (size 6000 x 1500 -03 No.& 1650X1500 -02No.) mm made of MS hallow section as per drawing & design approved complete with guide rail & wheel	
A		246960.00
	wt 2400 kg@ 102.90 = 246960.00	
	DSR 10.16.1	
	TOTAL	246960.00
	SAY (IN LACK)	2.47
	TOTAL 1+2+3	17.09

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TENDER BOQ

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
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BILL OF QUANTITY

PROJECT- C/O SECURITY CABIN BUILDING AT I.D.T.R. RAEBARELI

PWD 01/06/15 & DSR2014

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.					
2	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sum on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.		40.00	Sqm	4.00	160.00
	All kinds of soil.	254	10.14	cum	95.00	963.30
3	L.Concrete with 1:4:8 C:C/Sand:40 m.m.S/Ballast Mortor	284				
4	BK.Work in foundation with 1:6 C:Sand mortar	303+ dif	1.43	cum	4990.00	7135.70
5	12/15 m.m.plinth plaster with 1:4 C:C/CS mortar		10.65	cum	4850.00	51652.50
	1:4 (1 cement : 4 coarse sand)	134	47.93	sqm	172.30	8259.03
6	Applying a coat of residual petroleum bitumen of grade of VG 10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	D.S.R-4.13	28.75	SQM	132.00	3795.00
7	Fine sand filling in trenches		3.62	cum	778.00	2816.36
8	Supply and Laying of 400 micron PVC sheet underplinth	M.R.	28.75	SQM	35.00	1006.25
9	25 mm thick DPC with 1:2:4 C:C/sand: s/grit mortar	361	0.00	SQM	290.00	0.00
10	R.C.C.Work with 1:1.5:3 C:C/C:S/Grnt 20 m.m.stone grit mortar complete with all material labour T& P					
	RCC 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)					
	In Foundation	279 b	4.01	Cum	7520.00	30155.20
	In Plinth Bend	279 b	0.56	cum	7520.00	4211.20
	In Lintel & Projection	283	0.75	cum	8020.00	6015.00
	Projection	283	0.31	cum	8020.00	2486.20
	RCC Coping Over parapet	283	0.00	cum	8020.00	0.00
	In Column	289	1.00	cum	8520.00	8520.00
11	Brick work in super sturcture with 1:6 cement :sand mortar i/c all material labour T & P	303,309,310 , dif	10.39	cum	5280.00	54834.91
12	Brick work in super sturcture with 1:4 cement :C/sand mortar in 115 mm wall	305b,309,310	0.00	sqm	5585.00	0.00
13	Brick work in super sturcture with 1:4 cement :C/sand mortar in 115 mm wall	305b,309,310	0.28	cum	5585.00	1563.80
14	R.C.C.Work with 1:1.5:3 C:C/CS:20 m.m.stone grit mortar also i/c fixing and removal of shuttering complete with all material labour T&P					

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TENDER BOQ

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
A	In slab	284	4.10	cum	8320.00	34112.00
B	In Shelves	283	0.00	cum	8020.00	0.00
15	20 mm bearing plaster with 1:3 C:C/sand mortar & neat cement wash	597	4.66	sqm	212.00	987.92
16	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.					
	Thermo-Mechanically Treated bars.	504	1262.33	kg	68.90	86974.54
17	Fabrication & supply of Alluminium door chaukhat section 105*50 mm including fixing with rowel plug					0.00
	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required	21.1				
	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately).	21.1.2				
	Powder coated aluminium (thick 50 Micron)	21.1.2.2	63.24	kg	435.75	27556.83
18	Fabrication & supply of Alluminium window frame / ventilator					
	(A) Al. Window	21.1.1.2	40.50	Kg	377.75	15298.88
	(B) Al Grill		8.10	Kg	377.75	3059.78
19	10 mm thick ceiling plaster with 1:3 cement :C/sand mortar	13.16	35.53	sqm	134.70	4785.89
20	15 mm cement plaster on rough side of single or half brick wall of mix : 1:6 (1 cement : 6 coarse sand)	13.5.2	38.88	sqm	183.45	7131.62
21	12 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement : 6 Coarse sand)	13.4.2	81.72	sqm	158.40	12944.45
22	Add or deduct for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.		6.46	mtr	12.00	77.52
23	Earth work in filling under floor upto plinth including watering ramming	Analy	23.92	Cu.M	450.00	10764.00
24	Supply and filling in plinth with sand under floors including, watering, ramming consolidating and dressing complete.		2.77	cum	778.00	2155.06
25	L. Concrete with 1:4:8 C:C/Sand:40 m.m.S/Ballast Mortar	M.R.	1.84	cum	4990.00	9181.60
26	Providing & injecting chemical emulsion for pre-antitermite treatment in four stages		24.45	Sq.M.	230.00	5623.50

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TENDER BOQ

Sl No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
27	Providing and laying polished vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete.	11.41				
A	Size of Tile 60x60 cm	11.41.2	17.54	sqm	1402.55	24600.73
B	Same as above but for Skirting	11.46.2	2.46	sqm	1415.40	3479.76
28	Providing and fixing 18mm thick gang saw cut mirror polished (premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing moulding and polishing to edge to give high gloss finish etc. complete at all levels.	8.2				
	Area of slab over 0.50 sum.	8.2.2.2	5.82	sqm	3907.40	22741.07
29	Window sill cover with granite top	8.2.2.1	0.81	sqm	3866.00	3131.46
30	Providing and laying Ceramic glazed floor tiles 300x300 mm (thickness to be specified by the manufacturer) of 1st quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick Cement Mortar 1:4 (1 Cement : 4 Coarse Sand) including pointing the joints with white cement and matching pigment etc., complete.	11.36				
			2.87	sqm	785.40	2254.10
31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS : 15622 (thickness to be specified by the manufacture) of approved make in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge in skirting, risers of steps and dados over 12 mm thick bed of cement Mortar 1:3 (1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sum including pointing in white cement mixed with pigment of matching shade complete.	11.37				
			12.29	sqm	836.65	10278.25
32	Extra for providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.	8.3				
	Granite work.	8.3.2	2.40	m	230.55	553.32
33	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters :	9.21			0.00	
A	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	9.21.2	3.68	sqm	1735.35	6386.09
B	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	9.26		sqm	104.55	0.00

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यू.पी. स्टेट कान्स्ट्रक्शन एण्ड इन्फ्रास्ट्रक्चर
डेवलपमेन्ट कापोरिशन, रायबरेली

अधिशाली अभियन्ता
यू.पी. स्टेट कान्स्ट्रक्शन एण्ड इन्फ्रास्ट्रक्चर
डेवलपमेन्ट कापोरिशन, रायबरेली

TENDER BOQ

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
34	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S including cost of adhesive of approved quality.	9.127				
	Providing and fixing of Lamination of door shutter.		7.35	Sqmt	829.70	6098.30
35	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured) Over item no. 9.20 and 9.21.	9.23				
36	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete :	9.96	3.68	sqm	365.85	1346.33
A	300x16 mm	9.96.1	0.00	each	229.65	0.00
	250x16 mm	9.96.2	4.00	each	189.00	756.00
B	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :	9.97				
	200x10 mm	9.97.3	2.00	each	79.25	158.50
	150x10 mm	9.97.4	0.00	each	65.35	0.00
C	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :	9.100				
	125 mm	9.100.1	4.00	each	69.80	279.20
D	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.	9.101				
E	Twin rubber stopper	9.101.2	2.00	each	83.95	167.90
37	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound, consisting of applying : a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sum mixed with water proofing cement compound @ 0.253 kg/sum. b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sum mixed with water proofing cement compound @ 0.670 kg/sum and coarse sand @ 1.289 kg/sum. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30cm on parapet wall and tucked into groove in parapet all around.	22.7				
		22.6	29.27	sqm	390.35	11425.54
38	P/F of S/S Railing As per approved Drawing & design	10.28	16.83	Kg	619.40	10424.50

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TENDER BOQ

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
39	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade	13.41				
	New work (two or more coats) over and including priming coat with cement primer.	13.41.1	59.43	sqm	89.70	5330.42
40	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade	13.47				
	New work (Two or more coats applied @ 1.43 ltr/ 10 sum. over and including base coat of water proofing cement paint applied @ 2.20 kg/ 10 sum).	13.47.1	115.88	sqm	94.95	11003.19
41	Two coat of birla Putty on new surface to give smooth surface	13.8	175.31	sqm	85.40	14971.39
42	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:	13.62				
	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	13.62.1				
	Steel Work		0.00	sqm	106.25	0.00
	Wood Work		8.83	sqm	106.25	938.19
43	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm bed by dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.(900mm wide)	4.17	12.73	sqm	419.30	5337.69
44	S/Fixing of 4mm thick glass pans with Al/ beading.	10.30.1	3.24	Sqm	764.45	2476.82
						548367.00
						0.00
						548367.00
					(Rs In Lack)	5.48

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TENDER BOQ

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
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BILL OF QUANTITY

PROJECT- C/O SANTRY POST AT I.D.T.R. RAEBARELI

PWD 01/06/15 & DSR2014

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
1	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.		25.00	Sqm	4.00	100.00
2	Earth work in excavation by mechanical means (Hydraulic Excavator)/ manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sum on plan) including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.					
	All kinds of soil.	251	5.03	cum	95.00	477.85
3	L.Concrete with 1:4:8 C:C/Sand:40 m.m.S/Ballast Mortor	281	0.70	cum	4990.00	3493.00
4	BK.Work in foundation with 1:6 C:Sand mortor	303+ dif	4.78	cum	4850.00	23183.00
5	12/15 m.m.plinth plaster with 1:4 C:C/CS mortor					
	1:4 (1 cement : 4 coarse sand)	134	25.58	sqm	172.30	4407.43
6	Applying a coat of residual petroleum bitumen of grade of VG 10 of approved quality using 1.7 kg per square metre on damp proof course after cleaning the surface with brushes and finally with a piece of cloth lightly soaked in kerosene oil.	D.S.R-4.13	15.34	SQM	132.00	2024.88
7	Fine sand filling in trenches		3.90	cum	778.00	3034.20
8	Supply and Laying of 400 micron PVC sheet under plinth	M.R.	15.34	SQM	35.00	536.90
9	25 mm thick DPC with 1:2:4 C:C/sand: s/grit mortor	361	0.00	SQM	290.00	0.00
10	R.C.C.Work with 1:1.5:3 C:C/S/Grit 20 m.m.stone grit mortor complete with all material labour T& P					
	RCC 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size)					
	In Foundation	279 b	1.98	Cum	7520.00	14889.60
	In Plinth Bend	279 b	0.28	cum	7520.00	2105.60
	In Lintel & Projection	283	0.43	cum	8020.00	3448.60
	Projection	283	0.00	cum	8020.00	0.00
	In Column	289	1.25	cum	8520.00	10650.00
11	Block work in super sturcture with 1:6 cement :sand mortor/c all material labour T & P	303,309, 310 , dif	7.16	cum	5280.00	37786.85
12	R.C.C.Work with 1:1.5:3 C:C/CS:20 m.m.stone grit mortor also/c fixing and removal of shuttering complete with all material labour T&P					
A	In slab	284	4.43	cum	8320.00	36857.60
13	20 mm bearing plaster with 1:3 C:C/sand mortor & neat cement wash	597	2.73	sqm	212.00	578.76
14	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.					
	Thermo-Mechanically Treated bars.	504	984.69	kg	68.90	67845.14

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TENDER BOQ

Sl No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
15	Fabrication & supply of Alluminium door chaukhat section 105*50 mm including fixing with rowel plug					0.00
	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS : 1285, fixed with rawl plugs and screws or with fixing clips, or with expansion hold fasteners including necessary filling up of gaps at junctions, at top, bottom and sides with required PVC/neoprene felt etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required	21.1				
	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of PVC / neoprene gasket required (Fittings shall be paid for separately).	21.1.2				
	Powder coated aluminium (thick 50 Micron)	21.1.2.2	21.08	kg	435.75	9185.61
16	Fabrication & supply of Alluminium window frame / ventilator					
	(A) Al. Window	21.1.1.2	72.00	Kg	377.75	27198.00
	(B) Al.Grill		10.80	Kg	377.75	4079.70
17	10 mm thick ceiling plaster with 1:3 cement :C/sand mortar	13.16	25.46	sqm	134.70	3429.46
18	15 mm cement plaster on rough side of single or half brick wall of mix : 1:6 (1 cement : 6 coarse sand)	13.5.2	33.02	sqm	183.45	6057.52
19	12 mm cement plaster on the rough side of single or half brick wall of mix : 1:6 (1 cement : 6 coarse sand)	13.4.2	49.47	sqm	158.40	7836.05
20	Add or deduct for plaster drip course/ groove in plastered surface or moulding to R.C.C. projections.		16.40	mtr	12.00	196.80
21	Earth work in filling under floor upto plinth including watering ramming	Analy	9.76	Cu.M	450.00	4392.00
22	Supply and filling in plinth with sand under floors including, watering, ramming consolidating and dressing complete.		1.13	cum	778.00	879.14
23	L. Concrete with 1:4:8 C:C/Sand:40 m.m.S/Ballast Mortar	M.R.	0.89	cum	4990.00	4441.10
24	Providing & injecting chemical emulsion for pre-antitermite treatment in four stages		10.24	Sq.M.	230.00	2355.20
25	Providing and laying polished vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption's less than 0.08% and conforming to IS : 15622 of approved make in all colours and shades, laid on 20mm thick cement mortar 1:4 (1 cement : 4 coarse sand) including grouting the joints with white cement and matching pigments etc., complete.	11.41				
A	Size of Tile 60x60 cm	11.41.2	7.74	sqm	1402.55	10855.74
B	Same as above but for Skirting	11.46.2	1.49	sqm	1415.40	2114.61

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TENDER BOQ

Sl No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
26	Providing and fixing 18mm thick gang saw cut mirror polished (premoulded and prepolished) machine cut for kitchen platforms, vanity counters, window sills, facias and similar locations of required size of approved shade, colour and texture laid over 20mm thick base cement mortar 1:4 (1 cement : 4 coarse sand) with joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing moulding and polishing to edge to give high gloss finish etc. complete at all levels.	8.2				
	Area of slab over 0.50 sum.	8.2.2.2	1.41	sqm	3907.40	5509.43
27	Window sill cover with grainite top	8.2.2.1	2.70	sqm	3866.00	10438.20
28	Extra for providing edge moulding to 18mm thick marble stone counters, Vanities etc. including machine polishing to edge to give high gloss finish etc. complete as per design approved by Engineer-in-Charge.	8.3				
	Granite work.	8.3.2	8.00	m	230.55	1844.40
29	Providing and fixing ISI marked flush door shutters conforming to IS: 2202 (Part I) non-decorative type, core of block board construction with frame of 1st class hard wood and well matched commercial 3 ply veneering with vertical grains or cross bands and face veneers on both faces of shutters :	9.21				
A	30 mm thick including ISI marked Stainless Steel butt hinges with necessary screws.	9.21.2	2.10	sqm	1735.35	3644.24
B	Extra for cutting rebate in flush door shutters (Total area of the shutter to be measured).	9.26	0.00	sqm	104.55	0.00
30	Providing & Fixing decorative high pressure laminated sheet of plain / wood grain in gloss / matt / suede finish with high density protective surface layer and reverse side of adhesive bonding quality conforming to IS : 2046 Type S including cost of adhesive of approved quality.	9.127				
	Providing and fixing of Lamination of door shutter.		4.20	Sqmt	829.70	3484.74
31	Extra for providing lipping with 2nd class teak wood battens 25 mm minimum depth on all edges of shutters (over all area of door shutter to be measured) Over item no. 9.20 and 9.21.	9.23	2.10	sqm	365.85	768.29
32	Providing and fixing aluminium sliding door bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with nuts and screws etc. complete.	9.96				
A	300x16 mm	9.96.1	0.00	each	229.65	0.00
	250x16 mm	9.96.2	2.00	each	189.00	378.00
B	Providing and fixing aluminium tower bolts ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :	9.97				
	200x10 mm	9.97.3	1.00	each	79.25	79.25
	150x10 mm	9.97.4	0.00	each	65.35	0.00
C	Providing and fixing aluminium handles ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour or shade with necessary screws etc. complete :	9.100				
	125 mm	9.100.1	0.00	each	69.80	0.00

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TENDER BOQ

SI No.	Items	PWD/CPWD	Qty.	Unit	Rate	Amount
D	Providing and fixing aluminium hanging floor door stopper ISI marked anodised (anodic coating not less than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade with necessary screws etc. complete.	9.101				
E	Twin rubber stopper	9.101.2	1.00	each	83.95	83.95
33	Providing and laying water proofing treatment on roofs of slabs by applying cement slurry mixed with water proofing cement compound consisting of applying : a) after surface preparation, first layer of slurry of cement @ 0.488 kg/sum mixed with water proofing cement compound @ 0.253 kg/sum. b) laying second layer of Fibre glass cloth when the first layer is still green. Overlaps of joints of fibre cloth should not be less than 10 cm. c) third layer of 1.5 mm thickness consisting of slurry of cement @ 1.289 kg/sum mixed with water proofing cement compound @ 0.670 kg/sum and coarse sand @ 1.289 kg/sum. This will be allowed to air cure for 4 hours followed by water curing for 48 hours. The entire treatment will be taken upto 30cm on parapet wall and tucked into groove in parapet all around.	22.7				
		22.6	36.90	sqm	390.35	14403.92
34	P/F of S/S Railing As per approved Drawing & design	10.28	28.26	Kg	619.40	17504.24
35	Distemping with oil bound washable distemper of approved brand and manufacture to give an even shade	13.41				
	New work (two or more coats) over and including priming coat with cement primer.	13.41.1	43.54	sqm	89.70	3905.54
36	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade	13.47			0.00	
	New work (Two or more coats applied @ 1.43 lit/10 sum. over and including base coat of water proofing cement paint applied @ 2.20 kg/10 sum).	13.47.1	103.99	sqm	94.95	9873.85
37	Two coat of birla Putty on new surface to give smooth surface	13.8	147.53	sqm	85.40	12599.06
38	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade:	13.62				
	Two or more coats on new work over an under coat of suitable shade with ordinary paint of approved brand and manufacture.	13.62.1				
	Steel Work		0.00	sqm	106.25	0.00
	Wood Work		5.04	sqm	106.25	535.50
39	Making plinth protection 50mm thick of cement concrete 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) over 75mm bed by dry brick ballast 40mm nominal size well rammed and consolidated and grouted with fine sand including finishing the top smooth.(900mm wide)	4.17	2.28	sqm	419.30	956.00
40	S/Fixing of 4mm thick glass pans with Al. beading.	10.30.1	6.48	Sqm	764.45	4953.64
						385403.00
						0.00
	Cost of One no. santry post					385403.00
	Cost of Two no. santry post				(Rs In Lack)	770806.00
	Cost of Two no. santry post					7.71

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SL. NO	DSR 2014	DESCRIPTION	UNIT	QTY	RATE (in Rs)	AMOUNT (in Rs)
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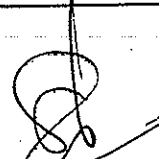
ABSTRACT OF COST

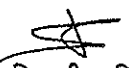
PROJECT- C/O IDTR AT RAEBARELI

SECURITY CABIN (INTERNAL PLUMBING)

SL. NO	DSR 2014	DESCRIPTION	UNIT	QTY	RATE (in Rs)	AMOUNT (in Rs)
I SANITARY INSTALLATIONS & C.P FITTINGS						
Sanitary Installations						
1	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever) conforming to IS:7231, Parryware/Hindware/Seabird/Orient (Coral) with all fittings and fixtures complete including cutting and making good the walls and floors wherever required.				
	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440mm with integral type foot rests	each	1.00	3392.80	3392.80
2	17.2	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern with manually controlled device (handle lever), conforming to IS : 7231, Parryware/Hindware/Seabrid /Orient (Coral) with all fittings and fixtures complete including cutting and making good the walls and floors wherever required				
	17.2.2	W.C. pan with ISI marked black solid plastic seat and lid	each	0.00	3294.05	0.00
3	17.7.4	Providing & fixing white vitreous china wash basin with C.I. brackets painted white, 15 mm C.P. brass pillar taps, C.P. brass chain with rubber plug, 32mm C.P. brass waste of stander pattern including cutting & making good the walls wherever required.				
		a)White Vitreous China flat back wash Basin size 550x400 mm with single 15 mm C.P. brass pillar tap.	each	1.00	1807.10	1807.10
4	17.28	Providing and fixing P.V.C. waste pipe for sink or wash basin including P.V.C. waste fittings complete.				
	17.28.1	Semi rigid pipe				
	17.28.1.1	32 mm dia	each	1.00	76.75	76.75
	17.28.1.2	40 mm dia	each	1.00	82.60	82.60
5	17.31	Providing and fixing 600x450mm bevelled edge mirror of superior glass (of approved quality) complete with 6mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	each	1.00	793.95	793.95
6	17.10	Providing and fixing Stainless Steel AISI 304 (18/8) kitchen sink as per I.S. 13983 with C.I. brackets and stainless steel plug 40 mm including painting of fittings and brackets, cutting and making good the walls wherever required :				
	17.10.1	Kitchen sink with drain board				
	17.10.1.1	510x1040mm bowl depth 250mm	each	0.00	7052.15	0.00

J.E.


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 डेवलपमेन्ट कार्पोरेशन, रायबरेली


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SL. NO	DSR 2014	DESCRIPTION	UNIT	QTY	RATE (in Rs)	AMOUNT (in Rs)
7	17.5	Providing and fixing white vitreous china flat back half stall urinal of size 580*380*350mm with white PVC automatic flushing cistern, with fittings, standard size C.P. brass flush pipe, spreaders with unions and clamps (all in D.P. brass) with waste fitting as per IS : 2556, C.I. trap with outlet grating and other couplings in C.P. brass including painting of fittings and cutting and making good the walls and floors wherever required:				
	17.5.3	Range of Three half stall urinals with 10 litre PV.C. automatic flushing cistern.	each		13411.10	0.00
	17.5.2	Range of Two half stall urinals with 5 litre PV.C. automatic flushing cistern.	each		10332.25	0.00
	17.5.1	Range of One half stall urinals with 5 litre PV.C. automatic flushing cistern.	each	1.00	6591.10	6591.10
8	8.10	Providing and fixing stone slab table rubbed, edges rounded and polished of size 75x50cm deep and 1.8cm thick fixed in Urinal partitions by cutting a chase of appropriate width with chase cutter and embedding the stone in the chase with epoxy grout or with cement concrete 1:2:4 (1cement: 2coarse sand: 4graded stone aggregate 6mm nominal size) as per direction of Engineer-in-charge and finished smooth.				
	8.10.2	Granite Stone of approved shade	Sqm.	1.00	3263.50	3263.50
		CP Brass fittings				
9	18.21	Providing and fixing unplasticised PVC connection pipe with brass unions				
	18.21.2	45 cm length				
	18.21.2.1	15 mm nominal bore	each	4.00	68.60	274.40
10	18.49	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931				
	18.49.1	a) 15 mm nominal bore	each	1.00	459.50	459.50
11	18.51	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms.				
	18.51.1	a) 15 mm nominal bore	each	1.00	610.65	610.65
12	18.53	Providing and fixing C.P. brass angle valve for basin mixer and gysar points of approved quality conforming to IS:8931				
	18.53.1	a) 15 mm nominal bore	each	4.00	507.70	2030.80
13	18.22	Providing and fixing C.P. brass shower rose with 15 or 20mm inlet				
	18.22.2	150 mm diameter	each	1.00	86.35	86.35
14		Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS:8931.				
	18.52	15mm nominal bore	each	1.00	619.75	619.75
					TOTAL [I]	20089.25
II SOIL WASTE & VENT PIPES AND FITTINGS						
1		Providing & fixing soil, waste and vent pipes.				
		a) 160mm PVC Pipe	Rm	0.00	1007.00	-
		a) 110 mm PVC pipe	Rm	12.00	703.00	8,436.00
		a) 90 mm PVC pipe	Rm	9.00	486.00	4,374.00

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SL. NO	DSR 2014	DESCRIPTION SANITARY	UNIT	QTY	RATE (in Rs)	AMOUNT (in Rs)
2		Providing lead caulked joints to sand cast iron/centrifugally cast (spun) iron pipes & fitting of diameters.				
	17.58.1	a) 100mm	No.		243.75	-
	17.58.2	b) 75mm	No.		205.30	-
3		Providing & fixing PVC N trap of self cleansing design with or without ventarm complete, including cost of cutting & making good the walls & floors.				
		a) 100mm inlet & 75mm outlet.	No.	2.00	177.00	354.00
		P-Trap	No.	1	450.00	450.00
4		Providing & fixing PVC collar.				
		a) 110 mm PVC pipe	No.	2.00	156.00	312.00
		a) 90 mm PVC pipe	No.	2.00	101.00	202.00
5		Providing and fixing PVC Plane bend.				
		a) 110 mm PVC pipe	Nos.	1.00	205.00	205.00
		a) 90 mm PVC pipe	Nos.	1.00	171.00	171.00
6		Providing and fixing PVC Door bend.				
		a) 110 mm PVC pipe	Each	1.00	239.00	239.00
		a) 90 mm PVC pipe	Nos.	1.00	203.00	203.00
7		Providing and fixing PVC Door Tee				
		a) 110 mm PVC pipe	Nos.	0	333.00	0.00
		a) 90 mm PVC pipe	Nos.	0	289.00	0.00
8		Providing and fixing terminal guard.				
		a) 110 mm PVC pipe	Nos.	1	167.00	167.00
		a) 90 mm PVC pipe	Nos.	0	148.00	0.00
9	12.42	Providing and fixing on wall, face unplasticised PVC moulded fittings/accessories for unplasticised Rigid PVC rain water pipes conforming to IS:18592 Type A including jointing with seal ring conforming to IS:5382 leaving 10mm gap for thermal expansion.				
	12.42.5.2	Bend 87.5 degree				
	12.42.5.2	110 mm Bend	Each		161.55	-
	12.42.6	Shoe (Plain)				
	12.42.6.2	110 mm Shoe	Each		295.10	-
10	12.43	Providing and fixing unplasticised-PVC pipe clips of approved design to unplasticised-PVC rain water pipes by means of 50x50x50 mm hard wood plugs, screwed with MS screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
	12.43.2	110 mm	Each	3.00	189.05	567.15
TOTAL [II]						15680.15
III INTERNAL & EXTERNAL WATER SUPPLY WORKS						
1		Providing & fixing G.I. pipes complete with G.I. fittings & clamps including cutting & making good the walls etc. (internal work)				
		Exposed on wall				
	18.10.1	15 mm dia. nominal bore	Rm.	12.00	215.10	2581.20
	18.10.2	20 mm dia. nominal bore	Rm.	6.00	249.30	1495.80
	18.10.3	a) 25mm dia nominal bore (medium duty)	Rm.		304.15	-

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SL. NO	DSR 2014	DESCRIPTION SANITARY	UNIT	QTY	RATE (in Rs)	AMOUNT (in Rs)
	18.10.4	b) 32mm dia nominal bore (medium duty)	Rm.		343.20	-
	18.10.5	c) 40mm dia nominal bore (medium duty)	Rm.		425.65	-
1B		Concealed pipe including painting with anticorrosive bitumatic paint, cutting chases and making good the wall.				
	18.11.1	a) 15mm dia nominal bore	Rm.	6.00	306.05	1,836.30
	18.11.2	b) 20mm dia nominal bore	Rm.	4.50	333.85	1,502.33
2	18.12	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc. External work :				0.00
	18.12.1	15 mm dia. nominal bore	metre	12.00	186.25	2235.00
	18.12.2	20 mm dia. nominal bore	metre	60.00	209.95	12597.00
	18.12.3	25 mm dia. nominal bore	metre		257.30	0.00
	18.12.4	32 mm dia. nominal bore	metre	0.00	281.05	0.00
3		Providing and fixing GI Union in GI pipes including cutting and threading the pipe and making long screws etc. complete (new work).				
	18.46.1	15mm dia nominal bore	Nos	1.00	165.25	165.25
	18.46.2	20mm dia nominal bore	Nos	1.00	188.50	188.50
	18.46.3	25mm dia nominal bore	Nos		200.10	0.00
	18.46.4	32mm dia nominal bore	Nos	0.00	240.75	0.00
	18.46.5	40mm dia nominal bore	Nos		316.25	0.00
4		Providing and fixing ball valve (brass) of approved quality complete. (High or low pressure with plastic floats).				
	18.18.3	a) 25mm. Nominal bore	Nos		449.95	-
		b) 20 mm nominal bore	Nos.	2	409.90	819.80
5	18.17	Providing and fixing gun metal gate valve with wheel of approved quality.				
		a) 20mm dia nominal bore	Each	2.00	345.00	690.00
	18.17.1	a) 25mm dia nominal bore	Each		428.85	0.00
	18.17.2	b) 32mm dia nominal bore	Each	0.00	501.50	0.00
	17.17.3	c) 40mm dia nominal bore	Each		585.50	0.00
6	18.16	Providing and fixing brass stop cock of approved quality.				
	18.16.2	a) 20 mm nominal bore	Nos.	1.00	344.85	344.85
	18.16.1	a) 15 mm nominal bore	Nos.	2.00	260.60	521.20
7	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked indicating the BIS License No. with cover and suitable locking arrangement and making necessary holes for inlet, outlet and over flow pipes but without fitting and base support for tank. [Sintex, Electroplast, Star, Lotus or equivalent having valid ISI license]. Capacity in Liters	Per Ltrs	500.00	7.25	3625.00
8		Making Base For Platform including B/W, plater Flooring etc.				
			Nos.	1.00	3000.00	3000.00
					TOTAL	27525.23
					[[III]]	

IV SEWERAGE SYSTEM

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SL. NO	DSR 2014	DESCRIPTION SANITARY	UNIT	QTY	RATE (in Rs)	AMOUNT (in Rs)
1	2.10	Excavating trenches of required width for pipes, cables etc. including excavation for sockets and dressing of sides, ramming of bottoms, depth upto 1.5m including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20cm in depth including consolidating each deposited layer by ramming, watering etc. and disposing of surplus excavated soil as directed, within a lead of 50m.				
	2.10.1	All kinds of soil				
	2.10.1.2	Pipes, cables etc. exceeding 80mm dia but not exceeding 300mm.	metre	12.00	208.30	2499.60
2	19.1	Providing, laying and joining 110 mm PVC pipe				
		a) 110mm diameter	metre	12.00	274.80	3297.60
		b) 160mm diameter	metre	0.00	492.35	0.00
3	19.2	Providing & laying cement concrete 1:5:10 (1 cement :5 coarse sand :10 graded stone aggregate 40mm nominal size) upto haunches PVC. Pipes including bed concrete as per standard design.				
	19.2.1	a) 110mm diameter	metre	12.00	281.65	3379.80
	19.2.2	b) 160mm diameter	metre	0.00	456.45	0.00
4	19.4	Providing and fixing square-mouth gully trap grade 'A' complete with C.I. grating, brick masonry chamber with water tight C.I. cover with frame of 300 x300 mm size (inside) the weight of cover to be not less than 4.50 kg and frame to be not less than 2.70 kg as per standard design				
	19.4.2	150 x 100 mm size P type				
	19.4.2.2	With Sewer bricks conforming to IS : 4885	each	0.00	1664.80	0.00
5	19.7	Constructing brick masonry manhole in cement mortar 1:4 (1 cement :4 coarse sand) RCC top slab with 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20mm nominal size), foundation concrete 1:4:8 mix (1 cement :4 coarse sand :8 graded stone aggregate 40mm nominal size) inside plastering 12mm thick with cement mortar 1:3 (1 cement :3 coarse sand) finished with floating coat of neat cement and making channels in cement concrete 1:2:4 (1 cement :2 coarse sand :4 graded stone aggregate 20mm nominal size) finished with a floating coat of neat cement complete as per standard design.				
6	19.7.1	Constructing brick masonry manhole with 150 class designation F.P.S. bricks in cement mortar 1:4 (1 cement :4 coarse sand) RCC top slab with 1:2:4 mix (1 cement :2 coarse sand :4 graded stone aggregate 20mm nominal size); foundation concrete 1:4:8 mix				
	19.7.1	a) Inside size 60x60 cm & upto 60 cm deep including RCC. Cover				
		(i) For Sewer Line	each	2.00	6646.00	13292.00
					TOTAL [IV]	22469.00
		NON SCHEDULED ITEMS				

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SL. NO	DSR 2014	DESCRIPTION SANITARY	UNIT	QTY	RATE (in Rs)	AMOUNT (in Rs)
V SANITARY INSTALLATIONS & C.P FITTINGS						
1	NSR	Extra for providing & fixing 125 mm dia C.P. grating in place of C.I. grating over floor traps.	Each	2.00	80.00	160.00
2	NSR	Providing & fixing 60x2cm. C.P. brass towelrail complete with C.P. brass brackets fixed to wooden cleats with C.P. brass screw.PARRYWARE C9948	Each	1.00	900.00	900.00
3	NSR	Supplying & Fixing of CP soap tray fixed to the wall with PVC rubber plug with CP brass screws	Each	1.00	800.00	800.00
4	NSR	Providing and Fixing C.P. brass Ablution health faucet assembly with 1.2 m long braided PVC hose with mounting bracket fixed on wall complete.[FOR EWC]	Each	0.00	500.00	0.00
5	NSR	Providing and fixing C.P. brass Two-way angle valve for EWC points & for fixing Ablution Health Fauct of approved quality conforming to IS:8931. 15 mm nominal bore	Each	0.00	1400.00	0.00
6	NSR	Providing & fixing approved make C.P. brass shower	Each	1.00	400.00	400.00
TOTAL [V]						2260.00
TOTAL I+II+III+IV+V						88023.63
						0.00
						88023.63

TENDER

[Handwritten Signature]

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[Handwritten Signature]

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डव्लपमेन्ट कापोरिशन, रायबरेली

(64)

TENDER B.O.Q.

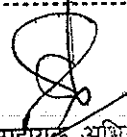
ABSTRACT OF COST

(LAND DEVELOPEMENT)

(65)

**MEASUREMENT DETAIL & ABSTRACT OF COST
LAND DEVELOPMENT**

o.	Description of work	No.	L	B	H	Qty.	Unit	Rate	Amount
	2	3	4	5	6	7	8	9	10
	Earth work in filling i/c watering ramming complete (earth brought from outside)								
	As per Detail					20653.10	Cu.M	450.00	9293895.00
	C/O RCC culvert having span 1.00 meter and 9.00 meter in lenth complete with brick work, plaster, RCC slab in all respect					0.00	No.	162146.44	0.00
	Cutting of earth mount upto desired level by JCB i/c hire charges of machine and cost of fuel & driver					0.00	Hour	1200.00	0.00
	Levelling & dressing of site by mechanical means (Tractor harrow with leveller i/c driver & its fuel) using cutter, leveller i/c cutting of mounts and levelled all ground					0.00	Hour	270.00	0.00
	5. Cautionary /warning sign boards of equilateral triangular shape having each side of 900mm with support length of 3650mm.	110	1.20	1.05		138.60	Sq.M	3587.20	497185.92
									9791080.92
									9791080.92
									SAY (IN LAKH) 97.91

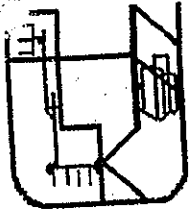



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(66)



कार्यालय अधिशासी अभियन्ता
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 पूर्ववर्ती (उत्तर प्रदेश समाज कल्याण निर्माण निगम लि.)
 (उ०प्र० शासन का प्रतिष्ठान)
 स्टेशन रोड, मंशा देवी मन्दिर के सामने, रायबरेली

दिनांक: 03/07/2015

पत्रांक: 65/अधि.अभि./आई.डी.टी.आर./राय./15-16

सेवा में,

मेसर्स श्राइन ट्रेडर्स,
 एल-व/178,
 अलीगंज,
 लखनऊ।

विषय:- इन्स्टीट्यूट ऑफ़ ड्राइविंग, ट्रेनिंग एण्ड रिसर्च, रायबरेली की चाहरदीवारी आदि के निर्माण कार्य हेतु एल०ओ०आई० के सम्बन्ध में।

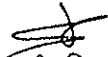
महोदय,

उपरोक्त विषयक इन्स्टीट्यूट ऑफ़ ड्राइविंग, ट्रेनिंग एण्ड रिसर्च, जनपद रायबरेली की चाहरदीवारी के निर्माण कार्य हेतु डाली गयी निविदा का सन्दर्भ ग्रहण करें जिसके परिप्रेक्ष्य में आप द्वारा निविदित दरों में दिनांक 29.06.2015 को निगोशियेशन के उपरान्त निम्न दरें दी गयी हैं:-

क्र. सं.	कार्य का नाम	बिल ऑफ़ क्वान्टिटी की लागत	निविदित दर (बी०ओ०क्यू० की लागत पर)	निगोशिएशन के पश्चात् दी गयी दर (बी०ओ०क्यू० की लागत पर)
1.	इन्स्टीट्यूट ऑफ़ ड्राइविंग, ट्रेनिंग एण्ड रिसर्च, रायबरेली की चाहरदीवारी का निर्माण कार्य	रु० 114.40 लाख	BOQ में दी गयी दरों पर (-)0.25% (माइनस जीरो दशमलव पच्चीस प्रतिशत) लागत - 114.114 लाख	BOQ में दी गयी दरों पर (-)0.25% (माइनस जीरो दशमलव पच्चीस प्रतिशत) लागत - 114.114 लाख

आपको निर्देशित किया जाता है कि एल०ओ०आई० जारी होने की तिथि के 03 दिन के अन्दर कार्य प्रारम्भ करना सुनिश्चित करें। कार्य पूर्ण करने की अवधि आठ माह होगी। उक्त कार्य हेतु 10 दिन के अन्दर अधोहस्ताक्षरी के समक्ष उपस्थित होकर रु० 100/- के स्टाम्प पेपर पर अनुबन्ध सम्पादित कराना सुनिश्चित करें।

भवदीय



 (ओ०पी०मिश्रा)

अधिशासी अभियन्ता
 रायबरेली

प्रतिलिपि:- निम्नलिखित को सादर सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित-

- मुख्य अभियन्ता (मध्य), यू०पी० स्टेट कान्सट्रक्शन एण्ड इन्फ्रास्ट्रक्चर डेवलपमेन्ट कारपोरेशन लि० लखनऊ।
- क्षेत्रीय प्रबन्धक, यू०पी० स्टेट कान्सट्रक्शन एण्ड इन्फ्रास्ट्रक्चर डेवलपमेन्ट कारपोरेशन लि० लखनऊ।

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 (ओ०पी०मिश्रा)

अधिशासी अभियन्ता
 रायबरेली

(67)

Electrification

(68)

U.P State Construction & Infrastructure Development Corporation Ltd.
Name of work:- Electrical Estimate for Main building, Hostel , Work shop, External
Service Connection & Street Light at IDTR at Raebareli

Summary of Cost

S.No.	Particular	Sanction cost (In Lacs)	Estimated Cost (In Lacs)
1	<u>Main Building</u>		
a	Cost of Enternal Electrification	32.15	26.30
b	Cost of Automatic Fire Alarm System	8.18	8.18
2	Hostel	31.26	24.07✓
3	<u>Work Shop</u>		
a	Cost of Internal Electrification	10.25	10.00
b	Cost of Automatic Fire Alarm System	2.63	2.59
4	Santary Post-2 No	0.25	0.25
5	Security Cabin	0.30	0.30
6	Enternal Service Connection & Street Light	35.00	38.30
	Total	120.02	109.99
	Add Contingency Charges @2% (+)	-	2.20
	Total	120.02	112.19


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U.P State Construction & Infrastructure Development Corporation Ltd.
Name of work:- Electrical Estimate of Academic Block for IDTR at Raebareli

U.P.P.W.D Schedule of rates 07 January 2016

Sl. No	Description	Code	Unit	Qty.	Rate	Amount
1	Wiring point for light with 1 Sq. mm FR PVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sq. mm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & ceiling rose angle/batten holder on 3mm thick phenolic paminated backlite sheet etc. complete in all respect.	138C	Nos	193	495.00	95535.00
2	Wring point for To way light with 1.5 Sq. mm FR PVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sqmm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & ceiling rose angle /batten holder on 3mm thick phenolic paminated backlite sheet etc. complete in all respect.	139C	Nos	2	635.00	1270.00
3	Wiring point for fan/fresh air fan (light duty exhaust fan) with 1 Sq. mm FR PVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sqmm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & ceiling rose angle/batten holder on 3mm thick phenotic paminated backlite sheet etc. complete in all respect.	140C	Nos	76	580.00	44080.00
4	Wiring point for plug with 1 Sq. mm FRPVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sqmm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & socket etc. complete in all respect.	141C	Nos	36	265.00	9540.00
5	Wring point for call bell with 1 Sq. mm FR PVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sqmm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type bell orsh for two pin socket etc. complete in all respect.	142C	Nos	5	460.00	2300.00
6	Wiring point for H.P.S.V. with 1.5 Sq.mm FR PVC insulated multistrend copper conductor cable in PVC conduit with 1.5 Sq. mm FR PVC insulated multistrand copper conductor cable as earth wire drawn inside 15A piano type switch & ceiling rose on 3mm thick backlite sheet complete in all respects/ HPSV	143C	Nos	6	840.00	5040.00
7	Supply & wiring of submains with two number 4.00 sqmm PVC insulated single core copper conductor in 20mm dia heavy duty PVC conduit with 1 no.2.5sqmm FR PVC insulated multistrend single core drawn inside the conduit complete in all respect.	221C	Rm	825	148.00	122100.00
8	Supply & wiring of submains with two number 10 sqmm PVC insulated single core copper conductor in 25mm dia heavy duty PVC conduit with 1 no.6sqmm FR PVC insulated multistrend single core drawn inside the conduit complete in all respect.	223C	Rm	400	309.00	123600.00
9	Supply & Fixing of Water tight oblong bulkhead fitting of approved make complete with prismatic glass holder, rubber gasket, G.I. Guard etc. complete in all respects.	408	Nos	3	390.00	1170.00
10	Supply & Fixing of single wall brackets on matching MDFEG board base etc. complete. Cat.-AA	412	Nos	6	815.00	4890.00


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1	Supply & Fixing of Factory wired HPF box, type fluorescent tube light fitting suitable for 1X40Watt fluorescent tube complete with electronic ballast.	453(i)	Nos	99	1116.00	110484.00
12	Supply & Fixing of factory wired sodium vapour street lighting luminous single piece cast aluminium body suitable for 70watt SV lamp GI pipe bracket complete in all respect.	485(i)	Nos	6	4640.00	27840.00
13	S/F of 6Amp. To 32 amp. SPMCB (10 KA) Cat.-B	1002	Nos	116	200.00	23200.00
14	S/F of 63 DPMCB (10 KA) Cat.-B	1011	Nos	7	865.00	6055.00
15	S&F of 63 Amp 4 pole MCB (10 KA) Cat-B	1020A	Nos	3	1550.00	
16	S/F of surface/flush mounting 12 ways SPN distribution board with additional metal door without MCB complete in all respect. Cat-B	1025A	Nos	7	1700.00	11900.00
17	S/F of Call bell of approved make.	1101	Nos	5	125.00	625.00
18	S&F of Power plug with 15A/250 volt flush type switch and 5 pin 15A/250V flush type universal socket in suitable MS box of 175mm x 100mm x 50mm size with phenolic laminated bakelite sheet cover 3mm thick fixed with brass machine screw and cup washer. (Modular Box & Power Plug)	1139A	Nos	33	595.00	19635.00
19	S&F of 16gauge MS drum duly painted including making hole in the wall for exhaust fan and finishing properly complete in all respect with luvvers duly painted.	1122A	Nos	4	950.00	3800.00
20	Erection and testing of exhaust fan on the existing hole with suitable size of rag bolts, nuts and washers etc. complete in all respect.	1120	Nos	4	130.00	520.00
21	Add for fixing of tube fitting as pendent with two number 19mm dia 16 gauge rigid steel conduit double cheek nuts, spring loaded flanges or MS hook fabricated from 25mm X 3mm flat iron duly grouted in the ceiling up to 3.5 height of ceiling including painting with synthetic enamel paint along with supply of all materials labour t&n etc. required for proper completion.	1143	Nos	135	235.00	31725.00
22	S/F of hexagonal fan box with hexagonal side of approx 80mm in length fabricated from 16 SWG MS sheet incorporating 10 mm dia, MS round bar as per approved complete in all respect.	1149	Nos	72	135.00	9720.00
23	Supply and burring of Safe Earthing Electrode T-19, (Hot Dip Galvanized), Length up to 3000mm. Outer pipe 50mm, inner pipe 25, terminal Dia 12 mm, outer GI pipe of 16 swg and inner Gi pipe of 12 swg with Hot Dip Galvanization up to 100 micron filled with crystalline conductive mixture (CCM) having anti corrosive & conductive property with 50 kgs activated soil (BFC) capable of reducing the soil resistivity with good mixture of retaining capacity and one earthing lead of 20 x 3 G.I. strip, up to switch board (from apron to switch board, the cost of G.I. strip will be extra) along with 30 cm square C.I. frame with hinged cover &	725B	Nos	2	11817.00	23634.00
24	S&L of 25mm x 3mm G.I. Strip from earth electrode directly in the ground as required complete in all respect.	716	Rm	30	82.00	2460.00
25	S&F of Fire extinguisher, dry chemical type 4.00Kg. Capacity ISI marked ISI 5683 & TAC approved complete in all respect.	1131	Nos	2	8100.00	16200.00
26	S&F of fire bucket, round bottom made of G.I. Sheet duly painted as per fire brigade complete in all respect.	1133	Nos	2	350.00	700.00
27	S&F of shock treatment chart (Prescribed under I.E Rule) duly framed with glass complete in all respect.	1134	Nos	1	235.00	235.00
28	Erection and testing of ceiling fan and regulator etc. excluding supply of down rad, complete in all respect.	1115	Nos	72	68.00	4896.00
29	S&F danger board fabricated from 10 gauge M.S. sheet as per I.E. Rules.	1109	Nos	1	70.00	70.00


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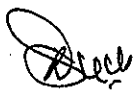

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30	S&L of 1800mm x 900mmx12mm thick chequered rubber matting of tested quality	1136	Nos	1	2525.00	2525.00
31	Supply of erection of factory fabricated and wired metal clad dust and vermin proof floor mounting panel TPN switch board complete in all respect as per UPPWD specification. Cat-A Incoming-200 Amp TPN=1No Outgoing 63Amp TPN=3No+4=5Nos	802(b) +345	Nos	1	91590.00	91590.00
32	Supply & fixing of Electronic fan regulator	1203A	Nos	72	305.00	21960.00
36	S/L Armoured cable 120sqmm x3.5 core Al complete with bricks/saddle etc.	501o	Rm	200	1110.00	222000.00
37	Mirror Optics 4 x 14watt	422II	Nos	4	6512.00	26048.00
38	Mirror Optics 2x 36watt/40watt	424vi	Nos	21	3512.00	73752.00
39	Box type fitting 2 x 40watt	454I	Nos	15	1621.00	24315.00
40	S/F of A.C box 20 Amp with Top Cat-B	1031A	Nos	10	995.00	9950.00
41	Additional charges for Modular type switches etc.					
(i)	Modular Switch for Light & fan point	187A	No	269	125.00	33625.00
(ii)	Modular 2 way point	187B	No	2	230.00	460.00
(iii)	S/F of Modular switch & socket	187C	No	36	215.00	7740.00
(iv)	S/F of Modular Call bell	187E	Nos	5	140.00	700.00
42	S/wiring of 2.5sqmmx2wire1.5x1 earthing PVC	1307C	Rm	150	115.00	17250.00
43	S/L submain cable 1.5sqmmX2 wire with 1.5sqmm earthwire.	1313C	Rm	900	97.00	87300.00
44	S/F of 4 way TPDB Double door Cat-B	1026	No.	3	2650.00	7950.00
45	S/F of 10amp socket-3Nos & 20amp 1No. with modular Box &	MR	No.	5	600.00	3000.00
46	Supply & Fixing of Light duties exhaust fan 12"dia Usha/Bajaj/Crompton	MR	Nos	4	2000.00	8000.00
47	Supply & Fixing of exhaust fan lours 12"dia or 18"dia	MR	Nos	2	500.00	1000.00
48	Supply & Fixing of Fan Sheet of Backelite	MR	Nos	72	38.00	2736.00
49	S/f of ceiling fan ISI Marked 1200 mm sweep Usha/Bajaj/Crompton	MR	Nos	72	1650.00	118800.00
50	S/F of CFL 18 watt Usha/Bajaj/Crompton	MR	Nos	53	210.00	11130.00
51	Point wiring for Inver Point with 1.5sqmm copper wire existing PVC conduit Pipe	MR	Rm	1080	18.00	19440.00
52	S/F of cable Gland & Lugs etc.	MR	Job	1	5000.00	5000.00
53	Supply & Erection Raising and Lowering type 12mtr high mast system. Mast soft shall be in low section hot dip galvanized inside and out side in single dip Inside dip, suitable for wind velocity as per IS 875 part-3 there shall be only one longitudinal seam weld also include accessories for high mast including head frame, 3/2 point suspension system with steal wire rope 6mm dia (7.19 construction) double drum wiitch, Galvanized lantern carriage arrangement suitable for 6 Luminaires symmetrical & its CG boxes & lighting final. the mast shall have integral type power too at the base. The complete job including following items (a)S/F of foundation bolt manufactured from special steel along with nuts, washers, anchor plates 12mtr Mast light. (b)S/F of Non-integral IP66 Flood light luminaire type Glanz with two Nos. 400watt MHT lamp and its IP 65 control gear boxes (Cat-AUPPWD Approved make) (c)S/F of GLS type twin dome aviation obstruction lights of BJAOL-2 (d) S/F of control panel housing suitable control circuit for automatic switching ON and OFF on the mast. The control panel shall also have necessary control for power tool. (e) Supply & Construction of suitable shallow foundation with M-20 grade concrete for the high mast considering the safe soil bearing capacity at site as 10T/sqmt at 2 mtr depth with all material. but for 12 mtr mast light. (f)Supply & making of 2 no 3 mtr. J. or g 50mm dia electrode earthing complete with connections, material & Labour. (g) Testing & commissioning of above High mast system		Job	2	490000.00	980000.00
54	S/Laying of AL Armoured cable 16sqmm x4 core all complete with bricks/saddle etc. as per UPPWD specification.	501i	Rm	400	376	150400
	Total					2629895.00

Say Rs. 26.30 Lacs


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U.P. STAE CONSTRUCTION & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
NAME OF WORK FIRE ALARM SYSTEM AT INSTITUTE OF DRIVING TRAINING AND
RESEARCH (IDTR) RAIBARELLY U.P.

SL.NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.	Supply, Installation, Testing & Commissioning of 08 zone Main control panel with facilities like open/short circuit, fire and fault indication etc. complete with battery charger and all other accessories with PA system. Make-Agni	EACH	01	57500.00	57,500.00
2.	Supply, Installation, Testing & Commissioning of 04 zone local control panel with facilities like open/short circuit, fire and fault indication etc. complete with battery charger and all other accessories. Make-Agni	Each	01	24011.00	24011.00
3.	Supply, Installation, Testing & Commissioning of Photoelectric type smoke detector. Make- system sensor.	Each	118	3559.00	4,19,962.00
4.	Supply, Installation, Testing & Commissioning of Remote response indicator Make-Agni	Each	20	216.00	4,320.00
5.	Supply, Installation, Testing & Commissioning of manual call point break glass in a metallic box. Make-Agni	Each	06	460.00	2,760.00
6.	Supply, Installation, Testing & Commissioning of Electronic Alarm Sounder in a metallic box Make-Agni	Each	08	595.00	3,570.00
7.	Supply, Installation, Testing & Commissioning of 2x12.volt 07 AH maintenance free battery for backup support Exide make.	Set	02	2,000.00	4,000.00
8.	Supply, Installation, Testing & Commissioning of 20 mm dia MS Conduct pipe fire/red painted ISI mark including accessories	M	800	87.50	70,000.00
9.	Supply, Installation, Testing & Commissioning of 1.5 sq.mm copper conductor PVC insulated copper wire Fire approved and ISI mark.	M	5800	14.60 Per mt.	84,680.00
10.	Supply, Installation, Testing & Commissioning of ABC type Fire Extinguisher capacity 6kg ISI Mark	Each	06	3786.00	22,216.00
11.	Supply, Installation, Testing & Commissioning of Fire Bucket 9 Liter.	Each	04	200.00	800.00
12.	Supply, Installation, Testing & Commissioning of Heat detector. Make- system sensor.	Each	20	2129.00	42580.00
13.	Supply, Installation, Testing & Commissioning of Cline Agent type Fire Extinguisher capacity 2kg ISI Mark	Each	06	7,500.00	45,000.00
14.	Supply, Installation, Testing & Commissioning of Co2 type Fire Extinguisher capacity 4.5kg ISI Mark	Each	02	9,500.00	19,000.00
15.	Supply, Installation, Testing & Commissioning of Water Co2 type Fire Extinguisher capacity 9 Liter ISI Mark	Each	04	4,500.00	18,000.00
	Total				8,18,399.00

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U.P.S.C.I.D.C. Ltd

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U.P.S.C.I.D.C. Ltd

Ex. Engr.
U.P.S.C.I.D.C. Ltd

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U.P State Construction & Infrastructure Development Corporation Ltd.

Name of work:- Electrical Estimate of Hostel IDTR at Raebareli

U.P.P.W.D Schedule of rates 07 January 2016

Sl. No	Description	Code	Unit	Qty.	Rate	Amount
1	Wiring point for light with 1 Sq. mm FR PVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sq. mm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & ceiling rose angle/batten holder on 3mm thick phenolic paminated backlite sheet etc. complete in all respect.	138C	Nos	222	495.00	109890.00
2	Wring point for To way light with 1.5 Sq. mm FR PVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sqmm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & ceiling rose angle /batten holder on 3mm thick phenolic paminated backlite sheet etc. complete in all respect.	139C	Nos	2	635.00	1270.00
3	Wiring point for fan/fresh air fan (light duty exhaust fan) with 1 Sq. mm FR PVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sqmm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & ceiling rose angle/batten holder on 3mm thick phenotic paminated backlite sheet etc. complete in all respect.	140C	Nos	80	580.00	46400.00
4	Wiring point for plug with 1 Sq. mm FRPVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sqmm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & socket etc. complete in all respect.	141C	Nos	69	265.00	18285.00
5	Wring point for call bell with 1 Sq. mm FR PVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sqmm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type bell orsh for two pin socket etc. complete in all respect.	142C	Nos	2	460.00	920.00
6	Wiring point for Exhaust Fan with 1.5 Sq.mm FR PVC insulated multistrend copper conductor cable in PVC conduit with 1.5 Sq. mm FR PVC insulated multistrand copper conductor cable as earth wire drawn inside 15A piano type switch & ceiling rose on 3mm thick backlite sheet complete in all respects/ HPSV	144C	Nos	3	760.00	2280.00
7	Wiring point for H.P.S.V. with 1.5 Sq.mm FR PVC insulated multistrend copper conductor cable in PVC conduit with 1.5 Sq. mm FR PVC insulated multistrand copper conductor cable as earth wire drawn inside 15A piano type switch & ceiling rose on 3mm thick backlite sheet complete in all respects/ HPSV	143C	Nos	6	840.00	5040.00
8	Supply & wiring of submains with two number 4.00 sqmm PVC insulated single core copper conductor in 20mm dia heavy duty PVC conduit with 1 no.2.5sqmm FR PVC insulated multistrend single core drawn inside the conduit complete in all respect.	221C	Rm	725	148.00	107300.00
9	Supply & wiring of submains with two number 10 sqmm PVC insulated single core copper conductor in 25mm dia heavy duty PVC conduit with 1 no.6sqmm FR PVC insulated multistrend single core drawn inside the conduit complete in all respect.	223C	Rm	570	309.00	176130.00
10	Supply & Fixing of Water tight oblong bulkhead fitting of approved make complete with prismatic glass holder, rubber gasket, G.I. Guard etc. complete in all respects.	408	Nos	9	390.00	3510.00

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11	Supply & Fixing of single wall brackets on matching MDFEG board base etc. complete. Cat.-AA	412	Nos	4	815.00	3260.00
12	Supply & Fixing of Factory wired HPF box, type fluorescent tube light fitting suitable for 1X40Watt fluorescent tube complete with electronic ballast.	453(l)	Nos	134	1116.00	149544.00
13	Supply & Fixing of factory wired sodium vapour street lighting luminous single piece cast aluminium body suitable for 70watt SV lamp GI pipe bracket complete in all respect.	485(i)	Nos	6	4640.00	27840.00
14	S/F of 6Amp. To 32 amp. SPMCB (10 KA) Cat.-B	1002	Nos	190	200.00	38000.00
15	S/F of 63 DPMCB (10 KA) Cat.-B	1011	Nos	19	865.00	16435.00
16	S/F of surface/flush mounting 12 ways SPN distribution board with additional metal door without MCB complete in all respect. Cat-B	1025A	Nos	19	1700.00	32300.00
17	S/F of Call bell of approved make.	1101	Nos	2	125.00	250.00
18	S&F of Power plug with 15A/250 volt flush type switch and 5 pin 15A/250V flush type universal socket in suitable MS box of 175mm x 100mm x 50mm size with phenolic laminated bakelite sheet cover 3mm thick fixed with brass machine screw and cup washer. (Modular Box & Power Plug)	1139A	Nos	29	595.00	17255.00
19	S&F of 16gauge MS drum duly painted including making hole in the wall for exhaust fan and finishing properly complete in all respect with louver dully painted.	1122A	Nos	11	950.00	10450.00
20	Erection and testing of exhaust fan on the existing hole with suitable size of rag bolts, nuts and washers etc. complete in all respect.	1120	Nos	11	130.00	1430.00
21	Add for fixing of tube fitting as pendent with two number 19mm dia 16 gauge rigid steel conduit double cheek nuts, spring loaded flanges or MS hook fabricated from 25mm X 3mm flat iron duly grouted in the ceiling up to 3.5 height of ceiling including painting with synthetic enamel paint along with supply of all materials labour t&p etc. required for proper completion.	1143	Nos	40	235.00	9400.00
22	S/F of hexagonal fan box with hexagonal side of approx 80mm in length fabricated from 16 SWG MS sheet incorporating 10 mm dia, MS round bar as per approved complete in all respect.	1149	Nos	72	135.00	9720.00
23	Supply and burring of Safe Earthing Electrode T-19. (Hot Dip Galvanized), Length up to 3000mm. Outer pipe 50mm, inner pipe 25, terminal Dia 12 mm, outer GI pipe of 16 swg and inner Gi pipe of 12 swg with Hot Dip Galvanization up to 100 micron filled with crystalline conductive mixture (CCM) having anti corrosive & conductive property with 50 kgs activated soil (BFC) capable of reducing the soil resistivity with good mixture of retaining capacity and one earthing lead of 20 x 3 G.I. strip, up to switch board (from apron to switch board, the cost of G.I. strip will be extra) along with 30 cm square C.I. frame with hinged cover & masonry housing	725B	Nos	2	11817.00	23634.00
24	S&L of 25mm x 3mm G.I. Strip from earth electrode directly in the ground as required complete in all respect.	716	Rm	30	82.00	2460.00
25	S&F of Fire extinguisher, dry chemical type 4.00Kg. Capacity ISI marked ISI 5683 & TAC approved complete in all respect.	1131	Nos	2	8100.00	16200.00
26	S&F of fire bucket, round bottom made of G.I. Sheet duly painted as per fire brigade complete in all respect.	1133	Nos	2	350.00	700.00
27	S&F of shock treatment chart (Prescribed under I.E Rule) duly framed with glass complete in all respect.	1134	Nos	1	235.00	235.00
28	Erection and testing of ceiling fan and regulator etc. excluding supply of down rad, complete in all respect.	1115	Nos	72	68.00	4896.00
29	S&F danger board fabricated from 10 gauge M.S. sheet as per I.E. Rules.	1109	Nos	2	70.00	140.00

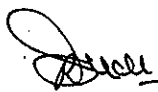
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30	S&L of 1800mm x 900mmx12mm thick chequered rubber matting of tested quality	1136	Nos	1	2525.00	2525.00
31	Supply of erection of factory fabricated and wired metal clad dust and vermin proof floor mounting panel TPN switch board complete in all respect as per UPPWD specification. Cat-A Incoming-200 Amp TPN=1No Outgoing 63Amp TPN=3No+4=7 Nos	802(b) +345	Nos	1	103220.00	103220.00
32	Supply & fixing of Electronic fan regulator	1203A	Nos	72	305.00	21960.00
36	S/L Aluminium Armoured cable 120sqmmX3½ core in Ground or on surface.	501o	Rm	200	1110.00	222000.00
37	Mirror Optics 4 x 14watt	422II	Nos	4	6512.00	26048.00
38	S/F of A.C box 20 Amp with Top Cat-B	1031A	Nos	2	995.00	1990.00
39	S/F of Modular Switch & or switch for fan/	187A	No	302	125.00	37750.00
40	S/F of Modular But 2 way point	187B	No	2	230.00	460.00
41	S/F of Modular But plug & switch	187C	No	69	215.00	14835.00
42	S/F of Modular But Exhaust fan switch	187D	No	3	125.00	375.00
43	S/F of Modular But Call bell	187E	Nos	2	140.00	280.00
44	S/wiring of 2.5sqmmx2wirex1.5x1 earthing PVC	1307C	Rm	150	115.00	17250.00
45	S/L submain cable 1.5sqmmX2 wire with 1.5sqmm earthwire.	1313C	Rm	1400	97.00	135800.00
46	Supply & Fixing of Light duties exhaust fan 12"dia 300mm Usha/Bajaj/ Crompton	MR	Nos	8	2000.00	16000.00
47	Supply & Fixing of heavy duties exhaust fan 18"dia Usha/Bajaj/Crompton .	MR	Nos	3	3500.00	10500.00
48	Supply & Fixing of exhaust fan lours 12"dia or 18"dia	MR	Nos	2	500.00	1000.00
49	Supply & Fixing of Fan Sheet of Backelite	MR	Nos	72	38.00	2736.00
50	S/f of ceiling fan ISI Marked 1200 mm sweep Usha/Bajaj/Crompton	MR	Nos	72	1650.00	118800.00
51	S/F of CFL 18 watt Usha/Bajaj/Crompton	MR	Nos	77	210.00	16170.00
52	S/Laying 1.5sqmmx1 wire in existing pipe inver point	MR	Rm	150	115.00	17250.00
53	S/F of cable Gland & Lugs etc.	MR	Job	1	5000.00	5000.00
54	Supply & Erection Raising and Lowering type 12mtr high mast system. Mast soft shall be in low section hot dip galvanized inside and out side in single dip Inside dip, suitable for wind velocity as per IS 875 part-3 there shall be only one longitudinal seam weld also include accessories for high mast including head frame, 3/2 point suspension system with steal wire rope 6mm dia (7.19 construction) double drum witch, Galvanized lantern carriage arrangement suitable for 6 Luminaires symmetrical & its CG boxes & lighting final. the mast shall have integral type power too at the base. The complete job including following items (a)S/F of foundation bolt manufactured from special steel along with nuts, washers, anchor plates 12mtr Mast light. (b)S/F of Non-Integral IP66 Flood light luminaire type Glanz with two Nos. 400watt MHT lamp and its IP 65 control gear boxes (Cat-AUPPWD Approved make) (c)S/F of GLS type twin dome aviation obstruction lights of BJAOL-2 (d) S/F of control panel housing suitable control circuit for automatic switching ON and OFF on the mast. The control panel shall also have necessary control for power tool. (e) Supply & Construction of suitable shallow foundation with M-20 grade concrete for the high mast considering the safe soil bearing capacity at site as 10T/sqmtr at 2 mtr depth with all material. but for 12 mtr mast light. (f)Supply & making of 2 no 3 mtr. J. or g 50mm dia electrode earthing complete with connections, material & Labour. (g) Testing & commisioning of above High mast system Make-Bajaj/Crompton/Philips	MR	Job	1	490000.00	490000.00
55	S/Laying of AL Armoured cable 16sqmm x4 core all complete with bricks/saddle etc. as per UPPWD specification.	501i	Rm	250	376	94000
56	S/Making of panel Room size 4.0mx3.0mx3.0m	MR	Sqm	12	18000.00	216000.00
						2407123.00

Say Rs. 24.07 Lacs


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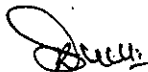
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(77)

U.P State Construction & Infrastructure Development Corporation Ltd.
Name of work:- Electrical Estimate of Work shop IDTR at Raebareli

U.P.P.W.D Schedule of rates 07 January 2016

Sl. No	Description	Code	Unit	Qty.	Rate	Amount
1	Supply & Fixing of factory wored sodium vapour street lighting luminous single piece cast aluminium body suitable for 70watt SV lamp GI pipe bracket complete in all respect.	121B	Nos	50	625.00	31250.00
2	Wiring point for fan/fresh air fan (light duty exhaust fan) with 1 Sq. mm FR PVC insulated multistrend single core copper conductor cable in Havey guage steel conduit Pipe with 1.5 Sqmm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & ceiling rose angle/batten holder on 3mm thick phenotic paminated backlite sheet etc. complete in all respect.	123B	Nos	24	763.00	18312.00
3	Wiring point for plug with 1 Sq. mm FRPVC insulated multistrend single core copper conductor cable in Havey guage steel conduit Pipe with 1.5 Sqmm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & socket etc. complete in all respect.	124B	Nos	15	325.00	4875.00
4	Wiring point for Exhaust Fan with 1.5 Sq.mm FR PVC insulated multistrend copper conductor cable in Havey guage steel conduit Pipe with 1.5 Sq. mm FR PVC insulated multistrand copper conductor cable as earth wire drawn inside 15A piano type switch & ceiling rose on 3mm thick backlite sheet complete in all respects/ HPSV	127B	Nos	4	935.00	3740.00
5	Wiring point for H.P.S.V. with 1.5 Sq.mm FR PVC insulated multistrend copper conductor cable in Havey guage steel conduit Pipe with 1.5 Sq. mm FR PVC insulated multistrand copper conductor cable as earth wire drawn inside 15A piano type switch & ceiling rose on 3mm thick backlite sheet complete in all respects/ HPSV	126B	Nos	6	1140.00	6840.00
6	Supply & wiring of submains with two number 4.00 sqmm PVC insulated single core copper conductor in 20mm dia heavy duty Havey guage steel conduit Pipe with 1 no.2.5sqmm FR PVC insulated multistrend single core drawn inside the conduit complete in all respect.	211B	Rm	360	217.00	78120.00
7	Supply & wiring of submains with two number 6 sq. mm PVC insulated single core copper conductor in 25mm dia heavy duty PVC conduit with 1 no. 4 sq.mm FR PVC insulated multistrend single core copper conductor cable as earth continuity wire drawn inside the conduit complete in all respect.	212B	Rm	100	268.00	26800.00
8	Supply & wiring of submains with two number 10 sqmm PVC insulated single core copper conductor in 25mm dia heavy duty PVC conduit with 1 no. 6sqmm FR PVC insulated sultistrend single core copper conductor cable as earth continuity wire drawn inside the conduit complete in all respect.	213B	Rm	100	395.00	39500.00



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9	Supply & Fixing of Factory wired HPF box, type fluorescent tube light fitting suitable for 1X40Watt fluorescent tube complete with electronic ballast.	453(l)	Nos	13	1116.00	14508.00
10	Supply & Fixing of factory wired sodium vapour street lighting luminous single piece cast aluminium body suitable for 70watt SV lamp GI pipe bracket complete in all respect.	485(i)	Nos	6	4640.00	27840.00
11	S/F of 6Amp. To 32 amp. SPMCB (10 KA) Cat.-B	1002	Nos	40	200.00	8000.00
12	S/F of 63 DPMCB (10 KA) Cat.-B	1011	Nos	4	865.00	3460.00
13	S/F of surface/flush mounting 12 ways SPN distribution board with additional metal door without MCB complete in all respect. Cat.-B	1025A	Nos	4	1700.00	6800.00
14	S&F of Power plug with 15A/250 volt flush type switch and 5 pin 15A/250V flush type universal socket in suitable MS box of 175mm x 100mm x 50mm size with phenolic laminated bakelite sheet cover 3mm thick fixed with brass machine screw and cup washer. Modular type switch & socket.	1139A	Nos	9	595.00	5355.00
15	Erection and testing of exhaust fan on the existing hole with suitable size of rag bolts, nuts and washers etc. complete in all respect.	1120	Nos	4	130.00	520.00
16	Add for fixing of tube fitting as pendent with two number 19mm dia 16 gauge rigid steel conduit double cheek nuts, spring loaded flanges or MS hook fabricated from 25mm X 3mm flat iron duly grouted in the ceiling up to 3.5 height of ceiling including painting with synthetic enamel paint along with supply of all materials labour t&p etc. required for proper completion.	1143	Nos	27	235.00	6345.00
17	Supply and burring of Safe Earthing Electrode T-19, (Hot Dip Galvanized), Length up to 3000mm. Outer pipe 50mm, inner pipe 25, terminal Dia 12 mm, outer GI pipe of 16 swg and inner Gi pipe of 12 swg with Hot Dip Galvanization up to 100 micron filled with crystalline conductive mixture (CCM) having anti corrosive & conductive property with 50 kgs activated soil (BFC) capable of reducing the soil resistivity with good mixture of retaining capacity and one earthing lead of 20 x 3 G.I. strip, up to switch board (from apron to switch board, the cost of G.I. strip will be extra) along with 30 cm square C.I. frame with hinged cover & masonry housing.	725B	Nos	5	11817.00	59085.00
18	S&L of 25mm x 3mm G.I. Strip from earth electrode directly in the ground as required complete in all respect.	716	Rm	50	82.00	4100.00
19	S&F of Fire extinguisher, dry chemical type 4.00Kg. Capacity ISI marked ISI5683 & TAC approved complete in all respect.	1131	Nos	2	8100.00	16200.00
20	S&F of fire bucket, round bottom made of G.I. Sheet duly painted as per fire brigade complete in all respect.	1133	Nos	2	350.00	700.00
21	S&F of shock treatment chart (Prescribed under I.E Rule) duly framed with glass complete in all respect.	1134	Nos	1	235.00	235.00
22	Erection and testing of ceiling fan and regulator etc. excluding supply of down rad, complete in all respect.	1115	Nos	24	68.00	1632.00
23	S&F danger board fabricated from 10 gauge M.S. sheet as per I.E. Rules.	1109	Nos	1	70.00	70.00

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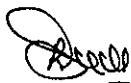
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24	S&L of 1800mm x 900mmx12mm thick chequered rubber matting of tested quality	1136	Nos	1	2525.00	2525.00
25	Supply of erection of factory fabricated and wired metal clad dust and vermin proof floor mounting panel TPN switch board complete in all respect as per UPPWD specification. Cat-B Incoming-200 Amp TPN=1No Outgoing 63Amp TPN=7No	801(a) +345	Nos	1	10322.00	10322.00
26	Supply & fixing of Electronic fan regulator	1203A	Nos	24	305.00	7320.00
27	S/L Armoured cable 16X4 Al complete with bricks/saddle etc.	5011	Rm	150	376.00	56400.00
28	S/L submain cable 1.5sqmmX2 wire with 1.5sqmm earthwire.	1313C	Rm	450	97.00	43650.00
29	S/F of Box type fitting 2x40 watt electronic ballast	454i	No.	27	1621.00	43767.00
30	S/F of 63 A TPN/415V on Bracket	316	No.	3	3830.00	11490.00
31	Addition when modular type switches etc are used in place of piano type switches etc in various wiring point.					
(a)	Add for 4 fan point Modular switch	187A	No.	74	125.00	9250.00
(b)	Add for plug point for Modular switches & socket	187C	No.	15	215.00	3225.00
(c)	Add for HPSV/Exhaust fan point with Modular switches	187D	No.	9	125.00	1125.00
32	S/L of 1.5sqmmX1 wire in existing PVC pipe for inver	Rm	Rm	450	18.00	8100.00
33	S/L of Aluminium Armoured cable 120sqmmX3.5 core	501(o)	Rm	200	1110.00	222000.00
34	Supply & Fixing of heavy duties exhaust fan 18"dia	MR	Nos	3	3500.00	10500.00
35	Supply & Fixing of exhaust fan lours 12"dia or 18"dia	MR	Nos	3	500.00	1500.00
36	S/f of ceiling fan ISI Marked 1200 mm sweep Usha/Bajaj/Crompton	MR	Nos	24	1650.00	39600.00
37	S/F of CFL 18 watt Usha/Bajaj/Crompton	MR	Nos	10	210.00	2100.00
38	S/Making of Meter Room size 3.0mx3.0mx3.0m	MR	Sqm	9	18000.00	162000.00
		Total				999161.00

Say Rs. 10.00 Lacs



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U.P. STAE CONSTRUCTION & INFRASTRUCTURE DEVELOPMENT CORPORATION LTD.
NAME OF WORK FIRE ALARM SYSTEM AT INSTITUTE OF DRIVING TRAINING AND
RESEARCH (IDTR) WORKSHOP RAIBARELLY U.P.

SL.NO	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1.	Supply, Installation, Testing & Commissioning of 04 zone local control panel with facilities like open/short circuit, fire and fault indication etc. complete with battery charger and all other accessories. Make-Agni	Each	01	24,011.00	24,011.00
3.	Supply, Installation, Testing & Commissioning of Photoelectric type smoke detector. Make- system sensor.	Each	47	3559.00	1,67,273.00
4.	Supply, Installation, Testing & Commissioning of Remote response indicator Make-Agni	Each	03	216.00	648.00
5.	Supply, Installation, Testing & Commissioning of manual call point break glass in a metallic box. Make-Agni	Each	02	460.00	920.00
6.	Supply, Installation, Testing & Commissioning of Electronic Alarm Sounder in a metallic box Make-Agni	Each	02	595.00	1,190.00
7.	Supply, Installation, Testing & Commissioning of 2x12 volt 07 AH maintenance free battery for backup support Exide make.	Set	01	2,000.00	2,000.00
8.	Supply, Installation, Testing & Commissioning of 20 mm dia MS Conduct pipe fire/red painted ISI mark including accessories	M	300	87.50	26,250.00
9.	Supply, Installation, Testing & Commissioning of 1.5 sq.mm copper conductor PVC insulated copper wire Fire approved and ISI mark.	M	800	14.60 Per mt.	13,140.00
10.	Supply, Installation, Testing & Commissioning of ABC type Fire Extinguisher capacity 6kg ISI Mark	Each	06	3786.00	22,716.00
11.	Supply, Installation, Testing & Commissioning of Fire Bucket 9 Liter.	Each	04	200.00	800.00
	Total				2,58,948.00


J.E.

U.P.S.C.I.D.C. Ltd


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U.P.S.C.I.D.C. Ltd


Ex. Engr.
U.P.S.C.I.D.C. Ltd

(81)

U.P State Construction & Infrastructure Development Corporation Ltd.
Name of work:- Electrical Estimate of Santary Post-2 No, IDTR at Raebareli

U.P.P.W.D Schedule of rates 07 January 2016

Sl. No	Description	Code	Unit	Qty.	Rate	Amount
1	Wiring point for light with 1 Sq. mm FR PVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sq. mm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & ceiling rose angle/batten holder on 3mm thick phenolic paminated backlite	138C	Nos	4	495.00	1980.00
2	Wiring point for fan/fresh air fan (light duty exhaust fan) with 1 Sq. mm FR PVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sqmm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & ceiling rose angle/batten holder on 3mm thick phenolic paminated backlite sheet etc. complete in all respect.	140C	Nos	2	580.00	1160.00
3	Wiring point for plug with 1 Sq. mm FRPVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sqmm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & socket etc.	141C	Nos	2	265.00	530.00
4	Supply & Fixing of Factory wired HPF box, type fluorescent tube light fitting suitable for 1X40Watt fluorescent tube complete with electronic ballast.	453(l)	Nos	2	1116.00	2232.00
5	S/F of 40 DPMCB (10 KA) Cat.-B	1010	Nos	2	705.00	1410.00
6	S/F of surface/flush mounting 4 ways SPN distribution boardwith additional metal door without MCB complete in all respect. Cat-B	1024A	Nos	2	950.00	1900.00
7	Erection and testing of ceiling fan and regulator etc. excluding supply of down rad, complete in all respect.	1115	Nos	2	68.00	136.00
8	S/L Armoured cable 16sqmm x2 Al complete with bricks/saddle etc	501C	Rm	27	402.00	10854.00
9	Addition when modular type switches etc are used in place of piano type switches etc in various wiring point.					
(a)	Add for Light/fan point with Modular switches	187A	No.	5	125.00	625.00
(b)	Add for plug point with Modular switches & socket	187C	No.	1	215.00	215.00
10	S/F of wall fan 16" Usha/Bajaj/Crompton	MR	No.	2	2150.00	4300.00
	Total					25342.00



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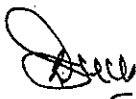
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(82)

U.P State Construction & Infrastructure Development Corporation Ltd.
Name of work:- Electrical Estimate of Security Cabin IDTR at Raebareli

U.P.P.W.D Schedule of rates 07 January 2016

Sl. No	Description	Code	Unit	Qty.	Rate	Amount
1	Wiring point for light with 1 Sq. mm FR PVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sq. mm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & ceiling rose angle/batten holder on 3mm thick phenolic paminated backlite	138C	Nos	4	495.00	1980.00
2	Wiring point for fan/fresh air fan (light duty exhaust fan) with 1 Sq. mm FR PVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sqmm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & ceiling rose angle/batten holder on 3mm thick phenotic paminated backlite sheet etc. complete in all respect.	140C	Nos	1	580.00	580.00
3	Wiring point for plug with 1 Sq. mm FRPVC insulated multistrend single core copper conductor cable in PVC conduit with 1.5 Sqmm FR PVC insulated multistrend copper conductor cable as earthwire drawn inside piano type switch & socket etc.	141C	Nos	1	265.00	265.00
4	Supply & wiring of submains with two number 4.00 sqmm PVC insulated single core copper conductor in 20mm dia heavy duty PVC conduit with 1 no.2.5sqmm FR PVC insulated multistrend single core drawn inside the conduit complete in all respect.	221C	Rm	20	148.00	2960.00
5	Supply & Fixing of Factory wired HPF box, type fluorescent tube light fitting suitable for 1X40Watt fluorescent tube complete with electronic ballast.	453(I)	Nos	1	1116.00	1116.00
6	S/F of 6Amp. To 32 amp. SPMCB (10 KA) Cat.-B	1002	Nos	2	200.00	400.00
7	S/F of 40 DPMCB (10 KA) Cat.-B	1010	Nos	1	705.00	705.00
8	S/F of surface/flush mounting 4 ways SPN distribution boardwith additional metal door without MCB complete in all respect. Cat-B	1024A	Nos	1	950.00	950.00
9	S&F of Power plug with 15A/250 volt flush type switch and 5 pin 15A/250V flush type.universal socket in suitable MS box of 175mm x 100mm x 50mm size with phenolic laminated bakelite sheet cover 3mm thick fixed with brass machine screw and cup	1139A	Nos	1	595.00	595.00
10	S/F of hexagonal fan box with hexagonal side of approx 80mm in legnth fabricated from 16 SWG MS sheet incorporating 10 mm dia, MS round bar as per approved complete in all respect.	1149	Nos	1	135.00	135.00
11	Erection and testing of ceiling fan and regulator etc. excluding supply of down rad, complete in all respect.	1115	-Nos	1	68.00	68.00
12	Supply & fixing of Electronic fan regulator	1203A	Nos	1	305.00	305.00
13	S/L Armoured cable 16sqmm x2 Al complete with bricks/saddle etc	501C	Rm	55	306.00	16830.00
14	Addition when modular type swtchs etc are used in place of piano type switches etc in various wiring point.					
(a)	Add for Light/fan point with Modular switches	187A	No.	5	125.00	625.00
(b)	Add for plug point with Modular switches & socket	187C	No.	1	215.00	215.00
15	S/F of CFL 18 watt	MR	Nos	3	210.00	630.00
16	Supply & Fixing of Fan Sheet of Backelite	MR	Nos	1	38.00	38.00
17	S/f of ceiling fan ISI Marked 1200 mm sweep	MR	Nos	1	1650.00	1650.00
	Total					30047.00


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(83)

U.P State Construction & Infrastructure Development Corporation Ltd.
Name of work:- External Electrification Street Lighting of IDTR Raebareli

U.P.P.W.D Schedule of rates 07 January 2016

Sl. No	Description	Code	Qty.	Rate	Amount
1	Supply and Erection of factory make octogonal hot galvanised Iron pole 7.0 meter long including base cement concrete in foundation with excavation making of the pedestal of PCC with 1:2:4 (1 cement:2 course sand also including the required size and depth and also including the required shattering complete in all respect as per direction engineer-in-charge				
(a)	For single Arm bracket	MR	44	21900.00	963600.00
(b)	For Double Arm bracket	MR	16	22600.00	361600.00
2	Supply and fixing of factory wired sodium vapour street lighting luminaries single piece cast 'Aluminium' body flat glass with IP 66 Protection suitable for 250 watt HPSV. lamp on pole.	487II	76	7540.00	573040.00
3	S/L of Aluminium armoured cable 16sqmmx4 core	501(J)	2000	376.00	752000.00
4	S/L of Aluminium armoured cable 35sqmmx3½core	501(K)	325	448.00	145600.00
5	S/L of Aluminium armoured cable 25sqmmx3½core	501	600	402.00	241200.00
6	S/F of feeder pillar out door type Incoming 63A MCCB with suitable Bus Bar for 4 Nos. outgoing	MR	4	28000.00	112000.00
7	S/F of Automatic street light cubical control panel with contractors, HRC fuses, Isolating switches medering instrument box with C.T in case of TPN out door type feeder complete in all respect.	MR	2	45000.00	90000.00
8	S/making of electrode earthing 50mm dia x 3.0m long	725B	14	11817.00	165438.00
9	S/F of floor mounted cubical panel board complete as per PWD specification. Incoming 400A TPMCCB=1 Out going 200 A TPMCB=4 6A TPMCB=5	813(b)+ MR	1	329730.00	329730.00
10	S&F of Fire extinguisher, dry chemical type 6.00Kg. Capacity ISI marked IS15683& TAC approved complete in all respect.	1131A	2	9010.00	18020.00
11	S&F of fire bucket, round bottom made of G.I. Sheet 9-11 litres capacity duly painted as per fire brigade complete in all respect.	1133	4	350.00	1400.00
12	S&F of shock treatment chart (Prescribed under I.E Rule) duly famed with glass complete in all respect.	1134	1	235.00	235.00
13	S&L of 1800mm x 900mmx12mm thick chequered rubber matting of tested quality.	1136	1	2525.00	2525.00
14	S&F danger board fabneated from 10 gauge M.S. sheet as per I.E. Rules.	1109	1	70.00	70.00
15	S/F pf cable gland, lugs etc.	MR	7	3000.00	21000.00
16	S/F of G.I. pipe 50mm B Class	MR	60	333.00	19980.00
17	S/F of G.I. pipe 80mm B Class	MR	60	543.00	32580.00
	Total				3830018.00

Say Rs. 38.30

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