Skill India
कौशल भारत - कुशल भारत

कार्यालय संस्थान प्रबंधन समिति
औद्योगिक प्रशिक्षण संस्था परपोड़ी
जिला-बेमेतरा (छ०ग०)

Industrial Training Institute

मो.नं. 07821–292198, 9406267681 E-mail ID – itiprpd@rediffmail.com website-www.itiparpodi.com

क्रमांकः-औप्रस/आईएमसी/स्थाप/भवन/निविदा/2019/ *384* /परपोड़ी, दिनांक *09-10-2019*

निविदा सूचना

शासकीय औद्योगिक प्रशिक्षण संस्था परपोड़ी जिला बेमेतरा (IMC) द्वारा नवीन भवन निर्माण के शेष कार्य हेतु सीलबंद लिफाफे में आवेदन आमंत्रित किया जाता है। निविदा प्रति संस्था में दिनांक 10.10.2019 से दिनांक 08.11.2019 तक उपलब्ध रहेगा। इच्छुक निविदाकर्ता दिनांक 08.11.2019 दोपहर 1:00 बजे तक निविदा, निविदा राशि 5000/- (पांच हजार रूपये) के साथ जमा कर सकता है, निविदा की प्रति एवं नियम/शर्तें राज्य स्तरीय वेबसाइट www.cgstate.gov.in एवं जिला स्तरीय वेबसाइट www.bemetara.gov.in तथा www.itiparpodi.com से अपलोड किया जा सकता है। दिनांक 08.11.2019 दोपहर 12:00 बजे के बाद निविदा स्वीकार नहीं किया जावेगा। निविदा शास. औद्योगिक प्रशिक्षण संस्था परपोड़ी, बेमेतरा में दिनांक 08.11.2019 को 1:00 बजे निविदा समिति के समक्ष खोला जावेगा।

(हरीश शर्मा)
प्राचार्य/सचिव
आई.एम.सी. आई.टी.आई.परपोड़ी,
जिला बेमेतरा (छ.ग.)

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क्रमांकः-औप्रस/आईएमसी/स्थाप/भवन/निविदा/2019/384/परपोड़ी, दिनांक 09 / 10 /2019

निविदा एवं शर्तें

शासकीय औद्योगिक प्रशिक्षण संस्था परपोड़ी में नवीन भवन निर्माण हेतु पंजीकृत ठेकेदारों से निविदा आमंत्रित किया जाता है। निविदा की शर्तें निम्नानुसार हैः-

1.		सशर्त निविदा स्वीकार नहीं की जावेगी। निविदा प्रपत्र का मूल्य 5000/- प्रति निविदा प्रपत्र होगी।
2.		निविदा स्वीकृति हेतु अधिकृत पदाधिकारी का किसी भी निविदा को बिना कारण बताए स्वीकृत अथवा अस्वीकृत करने का अधिकार सुरक्षित रहेगा।
3.		अपरिहार्य कारणों से यदि निविदा प्रदाय अथवा प्राप्ति दिनांक को अवकाश घोषित किया जाता है तो ऐसी निविदाओं में निविदा प्रदाय/प्राप्ति दिनांक आगामी कार्य दिवस को माना जावेगा।
4.		निर्धारित तिथि एवं समय के पश्चात प्राप्त निविदा स्वीकार नहीं की जावेगी।
5.		भवन निर्माण कार्य की अनुमानित लागत 52.13 लाख संभावित है। भवन निर्माण की लागत समयानुसार कम या ज्यादा की जा सकती है। अमानत राशि (रू. 1.57 लाख) का FDR/बैंक गारण्टी अमानत राशि के रूप में जमा करना होगा।
6.		निविदायें दो लिफाफा पद्धति से प्रस्तुत की जावे। लिफाफा एक में अमानत राशि, निविदा प्रपत्र का मूल्य अतिरिक्त डिमांड ड्राफ्ट के रूप में एवं पंजीयन से संबंधित आवश्यक दस्तावेज (जीवित पंजीयन पत्र/आयकर/वाणिज्य कर/राजस्व साल्वेंशी /बैंक साल्वेंशी) रखे जावें तथा लिफाफा दो में निविदा फार्म में प्रेषित किये जावें। लिफाफा एक में आवश्यक प्रतिपूर्ति पायी जाने पर ही लिफाफा दो खोला जावेगा।
7.		केवल वही ठेकेदार निविदा प्रपत्र भरें, जिन्होने विगत 02 वित्तीय वर्षों में प्रत्येक वर्ष लगभग एक करोड़ का निर्माण कार्य किया हो। साक्ष्य प्रस्तुत करना अनिवार्य है।
8.		निविदायें निर्धारित समय एवं दिनांक पर उपस्थित ठेकेदारों अथवा उनके अधिकृत प्रतिनिधि की उपस्थिति में खोली जावेगी।
9.		निविदा स्पीड पोस्ट/रजिस्टर्ड द्वारा दिनांक 08/11/2019 समय अपरान्ह 12:00 बजे तक प्रेषित कर सकतें है।
10.		निविदा प्रकाशित दिनांक के बाद का तैयार एफ.डी.आर. जो प्राचार्य/सचिव शास. औद्योगिक प्रशिक्षण संस्था परपोड़ी (IMC) एवं आवेदक के संयुक्त नाम होने से मान्य किया जावेगा।
11.		निविदा प्रपत्र प्राप्त करने हेतु ठेकेदार को स्वयं उपस्थित होना होगा/ठेकेदार के अनुपस्थिति में अन्य व्यक्ति 50 रूपये के स्टाम्प पेपर में नोटरी द्वारा सत्यापित अधिकारी पत्र निविदा में प्रावधानिक कार्यों का उल्लेख करने पर देय होगा।
12.		उपकरण अधिनियम 1996 के अंतर्गत (1.5 प्रतिशत) अतिरिक्त प्रत्येक देय कटौती की जावेगी।
13.		पेन कार्ड की छायाप्रति निविदा प्रपत्र में संलग्न नहीं करने पर निविदा स्वीकार नहीं की जावेगी।
14.		भवन निर्माण कार्यादेश के उपरान्त 2 माह में पूर्ण करना होगा। 2 माह से अधिक होने पर 1.00 प्रतिशत प्रति सप्ताह अधिकतम 5 प्रतिशत प्रतिमाह की कटौती की जावेगी।
15.		चयनित आवेदक को 50 रू. के स्टाम्प पेपर में समयसीमा में कार्य पूर्ण करने की घोषणा नोटरी द्वारा सत्यापित करके कार्यालय में जमा करना होगा।
16.		नियमानुसार सर्विस टैक्स/जी.एस.टी. का भुगतान करना होगा।
17.		निविदा की ड्राईंग, क्वांटिटी, कम या ज्यादा हो सकती है। रेट में कोई बदलाव नहीं होगा।
19.		निविदा समिति का निर्णय अंतिम व मान्य होगा।
20.		कार्य की गुणवत्ता, प्रोग्रेस, सेप्टी सही न होने पर ठेकेदार को कभी भी एक पत्र देकर हटाया जा सकता है।
21.		यह निविदा लोक निर्माण विभाग(भवन) के प्रचलित SOR दर पर कार्यशील होगी।

प्राचार्य/सचिव
संस्थान प्रबंधन समिति
औद्योगिक प्रशिक्षण संस्था
परपोडी जिला बेमेतरा(छ.ग.)

DETAIL AND ABSTRACT REMAINING WORK ESTIMATE OF NEW I.T.I BUILDING, PARPODI, DISTT.- BEMETARA (C.G.)

Civil Work

S. No.	I. No.	PARTICULAR	Measurement				QTY	UNIT	RATE	AMOUNT
			NO	L	B	D/H				
1	1.2	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).								
		Ground Floor								
		Court yard	1	17.2	4.8		82.56	sqm	7.2	594.432
2	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
		ramp	2	3	0.45	0.45	1.215			
		front steps	1	16.5	0.7	0.2	2.31			
			1	16.5	0.3	0.45	2.2275			
		rear steps	1	2.6	1.3	0.2	0.676			
						Total	**6.4285**	cum	185	1189.2725
3	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.								
		ramp	2	3.00	0.45	0.10	0.27			
			1	2.64	0.45	0.45	0.53			
			1	23.00	20.00	0.20	92.00			
		front steps	1	16.50	0.70	0.10	1.16			
			1	16.50	0.30	0.10	0.50			
		rear steps	1	2.60	1.30	0.10	0.34			
							94.79	cum	371.00	35168.05
4	22.4	Supplying and stacking at site well decayed cow dung manure from approved source, including loading, unloading and carriage upto 5 km (manure measured in stacks will be reduced by 8% for payment) :								
		Court yard	1	17.20	4.80	0.30	**24.77**	cum	236.00	5845.25

S. No.	I. No.	PARTICULAR	Measurement NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
5	7.11	Half brick thick brick masonry with fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in superstructure above plinth level upto plinth level:								
	~~7.11.4~~ 7.11.2	Cement Mortar 1:4 (1 cement : 4 coarse sand)								
		Ground Floor								
		Rear Male toilet Wall	2	1.50	.....	3.00	9.00			
			1	4.00	.....	3.00	12.00			
		Rear Female toilet Wall	2	1.50	.....	3.00	9.00			
			1	2.75	.....	3.00	8.25			
			1	1.00	.....	3.00	3.00			
		Deduct - Opening								
		Door	-6	0.75	.....	2.10	-9.45			
							31.80	sqm	382.00	12147.60
6	7.12	Extra for half brick work in superstructure above plinth level for every story or part thereof in addition to rate for upto plinth level:								
		Ground Floor					**31.80**	sqm	11.00	349.80
7	7.20	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
		Extra for providing and placing in position hopping 25x1.60 mm or 2 Nos 6mm dia MS bars reinforcement at every third course of half brick masonry.					**31.80**	sqm	62.50	1987.50
8	8.3	Providing 40x5mm iron hold fast 40cm long including fixing to frame with 10mm bolts nuts and wooden plug and embedding in Cement Concrete 1:2:4 in blocks of size 30x10x15cm.								
		Ground Floor	6	at	6.00		36.00			
						Total	**36.00**	each	72.50	2610.00
9	7.5.4	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
		Cement Mortar 1:6 (1 Cement : 6 Coarse Sand)								
		ramp	2	3.00	0.38	0.30	0.68			
			2	2.10	0.23	0.50	0.48			
		front steps	1	16.50	0.38	0.30	1.86			
			1	16.50	0.23	0.30	1.14			
			1	16.50	0.60	0.30	2.97			
			1	16.50	0.30	0.20	0.99			
		rear steps	1	2.60	1.20	0.30	0.94			
			1	2.60	0.90	0.20	0.47			

S. No.	I. No.	PARTICULAR	Measurement NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
			1	2.60	0.60	0.20	0.31			
			1	2.60	0.30	0.20	0.16			
						Total	**9.98**	cum	3263.00	32580.24
10	7.60 754 776	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in superstructure above plinth level for every floor or part thereof in addition to rate for foundation and plinth:								
		male toilet	1	1.80	0.23	3.00	1.24			
		shed	2	8.00	0.23	1.60	5.89			
			1	8.00	0.23	1.60	2.94			
		chabutara for machine	20	0.75	0.75	0.60	6.75		3263+121	
							16.82	cum	3384.00	56932.42
11	11.1.2	6mm thick cement plaster of mix:								
		In Cement mortar 1:4 (1 cement : 4 fine sand)								
		First Floor								
		Conference room	1	6.80		13.20	89.76			
		Lab	1	6.80		9.95	67.66			
		store	1	1.60		2.10	3.36			
		Class room	2	9.80		10.00	196.00			
		staff room	1	4.30		3.02	12.99			
		passage	1	6.76		8.56	57.87			
			2	19.23		1.80	69.23			
			1	4.96		1.80	8.93			
		toilet	1	1.50		2.10	3.15			
							508.94	sqm	87.00	44277.57
12	11.2.2	Providing and making 12mm thick cement plaster of mix:								
		In Cement Mortar 1:4 (1 cement : 4 fine sand)								
		Ground Floor								
		male toilet	2	1.80		3.00	10.80			
		shed	4	8.00		1.60	51.20			
			2	8.00		1.60	25.60			
		chabutara for machine	80	0.75		0.60	36.00			
			20	0.75		0.75	11.25			
		First Floor								
		Conference room	2	6.80		3.60	48.96			
			2	13.2		3.60	95.04			
		Lab	2	6.80		3.60	48.96			
			2	9.95		3.60	71.64			
		Class room	4	9.80		3.60	141.12			
			4	10.00		3.60	144.00			
		Dispensary	1	4.30		3.60	15.48			
			1	3.02		3.60	10.87			
		passage	2	6.76		3.60	48.67			
			1	8.56		3.60	30.82			
			2	19.23		3.60	138.46			
			2	19.23		1.10	42.31			
			2	4.96		1.10	10.91			
		deduction								
		D2	-7	1		2.4	-16.80			
		W1	-29	1.5		1.5	-65.25			
		W2	-1	1.2		1.2	-1.44			
							898.59	sqm	103.00	92555.182

S. No.	I. No.	PARTICULAR	Measurement NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
13	11.3.4	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
		In Cement Mortar 1:6 (1 cement : 6 fine sand)								
		rear	1	27.91		8.3	231.65			
		tarrace top	2	17.66		1.2	42.38			
			2	4.8		1.2	11.52			
							285.56	sqm	107.00	30554.60
14	8.1 9.12	Providing and fixing steel door/ window with M.S. sheet 1mm thick, frame of angle iron, diagonal braces of angle/ flat iron of suitable size, 3.00 mm M.S. gusset plates at junctions and corners, all necessary fittings complete including applying a priming coat of red oxide zinc chromate primer.								
		Door Frame								
		D1	1	2.00		2.40	4.80			
		D2	4	1.00		2.40	9.60			
							14.40	sqm		
		waight 30 kg per sqm	14.40	sqm		30	**432.00**	kg	75.00	32400.00
15	8.13 9.27	Supplying and fixing rolling shutter of approved makes made of M.S. laths interlocked together through their entire length and jointed together at the end by end locks, mounted on specially designed pipe shaft with brackets, side guides and arrangements f								
		80x1.25mm M.S. Laths								
		Code -- 9.27.1 .	1	3.00		3.00	**9.00**	sqm	1691	15219.00
16	9.28	Providing and fixing 27.5cm long wire spring for rolling								
			1.00	2.00	----	----	**2.00**	362.00	Each	724.00
17	9.29.1	Providing and fixing M.S. sheet top cover for rolling shutter								
		1.25mm thick	1.00	3.00	0.90	----	45.00			
							47.70	540.00	sqm	24300.00
18	9.3	Providing and fixing ball bearing for rolling shutters.								
			1.00	2.00	----	----	**2.00**	423.00	Each	846.00

S. No.	I. No.	PARTICULAR	Measurement				QTY	UNIT	RATE	AMOUNT
			NO	L	B	D/H				
19	9.47	Providing and fixing aluminium work for doors, windows, ventilators and partitions made out of extruded aluminium standard sections (main section with minimum 1.5mm thickness) conforming to IS: 733, IS: 1285 mitred and jointed mechanically including aluminium cleats, neoprene weather stripping gasket beveled edge beading, screws duly fixed in wall/ floor with fixing clips or hold fasteners or bolts and nuts as required aluminium sections shall be anodized transparent or dyed to approved shade according to IS: 1868, minimum anodic coating shall be of grade AC-15. (Glazing to be paid for separately:								
	9.47.1	For fixed portion								
		Ground Floor								
		Window & Ventilator								
		W1	15	1.50		1.50	33.75			
		W2	1	1.20		1.50	1.80			
		W3	1	0.60		1.20	0.72			
		First Floor								
		W1	10	1.50		1.50	22.50			
							36.27	sqm		
			36.27	sqm	5.00	Kg/sqm	**181.35**	Kg	331.00	60026.85
20	9.48	Extra for powder coated (minimum 50 micron) aluminium sections instead of anodized.					**181.35**	kg	27.00	4896.45
21	9.34	Providing and fixing stainless wire gauge of average width of aperture 1.56mm with wire of 0.35mm to existing steel door, window shutter frames with necessary M.S. strip beading etc. complete.								
		Ground to Terrace Floor								
		Window & Ventilator								
		W1	15	1.50	50%	1.50	16.88			
		W2	1	1.20	50%	1.50	0.90			
		W3	1	0.60	50%	1.20	0.36			
		50% Area of Opening				**Total**	**18.14**	sqm	791.00	14344.79
22	8.137	Providing and fixing stainless steel sliding door bolts with 16mm rod, 2.5mm thick flap, necessary stainless steel nuts bolts and screws etc complete.								
	8.137.2	250mm	6	1.00			**6.00**	each	228.00	1368.00

S. No.	I. No.	PARTICULAR	Measurement NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
23	12.3.2	Cement concrete flooring with cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm) finished with a floating coat of neat cement..								
		50 mm thick								
		Ground Floor								
		DMC Shed	1	13.00		8.00	104.00			
		Welder Shed	1	12.00		8.00	96.00			
		ramp	1	3.50		2.00	7.00			
		steps	1	2.50		1.80	4.50			
		Front Ver	1	3.50		14.80	51.78			
		Front step	3	16.50		0.30	14.85			
		First Floor								
		Conference room	1	6.80		13.20	89.76			
		Lab	1	6.80		9.95	67.66			
		Class room	2	9.80		10.00	196.00			
		Dispensary	1	4.30		3.02	12.99			
		passage	1	6.76		8.56	57.87			
			2	19.23		1.80	69.23			
			1	4.96		1.80	8.93			
		tarrace	2	23.66		9.03	427.06			
			1	4.43		4.80	21.26			
			1	2.03		4.80	9.74			
			1	2.33		8.79	20.48			
						Total	**1259.11**	sqm	254.00	319814.40
24	12.5 12.50	KOTA stone slab 25mm thick in risers and treads of steps, skirting dado and pillar laid in 12mm (Average) thick cement mortar 1:3 (1 cement : 3 coarse sand) and jointed with grey cement slurry mixed with pigment to match the shade of the slab including rubbing and polishing complete. (single stone is to be used for riser and treads of steps and the width of stone for skirting and dado shall be equal to the height of skirting/ dado up to length of 1.0 M.)								
		Ground Floor								
		at tarrace	2	3.00	2.10		12.60			
		Mid Landing	2	1.50	1.50		4.50			
		Mid Landing	2	1.50	1.80		5.40			
		Steps (Riser & Trade)	46	1.60		0.45	33.12			
		Front Steps	4	16.50		0.45	29.70			
		Back Steps	4	2.50		0.45	4.50			
		ramp	1	3.50		2.50	8.75			
						Total	**98.57**	sqm	990.00	97584.30
25	12.51	Extra for nosing in steps and treads of Kota stone slab.	92	1.50			**138.00**	metre	69.50	9591.00

S. No.	I. No.	PARTICULAR	Measurement NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
26	12.49	25 mm thick KOTA stone slab flooring over 20mm (Average) thick base of cement mortar 1:4 laid over and jointed with grey cement slurry mixed with pigment to match the shade of the slab including grinding rubbing and polishing etc. complete (Area of slab to be over 0.20 sqm and upto 0.50 sqm)								
		Ground Floor								
		Ent. Lobby	1	14.80	3.50		51.80			
		ramp	1	3.50	2.10		7.35			
		Skirting								
		Ent. Lobby	2	3.50		0.10	0.70			
							59.85	sqm	897.00	53685.45
27	12.7	Providing and fixing ceramic glazed wall tiles conforming to IS : 15622 of approved make, colours, shades and size on wall 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 sqm including pointing in white cement mixed with matching pigment complete.								
	12.7.1	Size upto 200x300mm								
		Ground Floor								
		Toilet (M)	1	3.04		2.10	6.38			
			2	0.75		2.10	3.15			
			1	4.27		2.10	8.97			
			2	4.00		2.10	16.80			
			1	2.80		2.10	5.88			
		W.C.	2	1.00		1.50	3.00			
			2	1.12		1.50	3.35			
			2	1.66		1.50	4.97			
		Toilet (F)	1	4.23		2.10	8.88			
			2	2.40		2.10	10.08			
			1	2.60		2.10	5.46			
		W.C.	6	1.00		1.50	9.00			
			6	1.50		1.50	13.50			
		Deduction: For Opening								
		Door	-6	1.00		1.50	-9.00			
			-6	1.00		2.10	-12.60			
							77.81	sqm	587.00	45676.82
28	12.9	Providing and laying ceramic glazed floor tiles conforming to IS : 15622 of approved size, make, colour, shade laid on 20 mm thick Cement Mortar 1:4 (1 cement : 4 coarse sand) including pointing the joints with white cement mixed with matching pigment etc., complete.								
	12.9.1	Size 300x300mm								
		Ground Floor								
		Toilet (M) including WC	1	4.27	4.00		17.08			

S. No.	I. No.	PARTICULAR	Measurement NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
			1	1.50	3.77		5.66			
		Toilet (F) including WC	1	3.23	2.40		7.75			
			1	1.20	1.20		1.44			
			3	1.00	1.50		4.50			
							36.43	sqm	692.00	25207.48
29	14.1 14.10	Wall painting with acrylic premium emulsion (plastic) paint of required shade to give an even shade.								
	14.10.1	On new work (two or more coats)								
		As Per 6mm Plaster Qty.								
		Ground Floor								
		Computer room	1	6.80	13.20		89.76			
		Lab	1	6.80	9.95		67.66			
		Class room	2	9.80	10.00		196.00			
		Dispensary	1	4.30	3.02		12.99			
		DMC Shed	1	13.00	8.00		104.00			
		Welder Shed	1	12.00	8.00		96.00			
		toilet male	1	6.23	4.00		24.92			
		toilet female	1	4.46	4.00		17.84			
		dmc store	1	4.04	4.00		16.16			
		electric room	1	2.50	4.00		10.00			
		welder store	1	7.54	4.00		30.16			
		passage	1	6.76	8.56		57.87			
			2	19.23	1.80		69.23			
			1	4.96	1.80		8.93			
			1	16.50	3.50		57.75			
		First Floor								
		Conference room	1	6.80	13.20		89.76			
		Lab	1	6.80	9.95		67.66			
		Class room	2	9.80	10.00		196.00			
		Staff	1	4.30	3.02		12.99			
		store	1	3.02	2.10		6.34			
		passage	1	6.76	8.56		57.87			
			2	19.23	1.80		69.23			
			1	4.96	1.80		8.93			
			1	16.50	3.50		57.75			
		Tower	1	7.41	6.80		50.39			
		As Per 12mm Plaster Qty.								
		Ground Floor								
		Computer room	2	6.80		3.60	48.96			
			2	13.20		3.60	95.04			
		Lab	2	6.80		3.60	48.96			
			2	9.95		3.60	71.64			
		Class room	4	9.80		3.60	141.12			
			4	10.00		3.60	144.00			
		Dispensary	2	4.30		3.60	30.96			
			2	3.02		3.60	21.74			
		DMC Shed	2	13.00		8.30	215.80			
			2	8.00		8.30	132.80			
		Welder Shed	2	12.00		8.30	199.20			
			2	8.00		8.30	132.80			
		toilet male	2	6.23		3.60	44.86			
			2	4.00		3.60	28.80			
		toilet female	2	4.46		3.60	32.11			
			2	4.00		3.60	28.80			
		dmc store	2	4.04		3.60	29.09			
			2	4.00		3.60	28.80			
		electric room	2	2.50		3.60	18.00			
			2	4.00		3.60	28.80			
		welder store	2	7.54		3.60	54.29			

S. No.	I. No.	PARTICULAR	Measurement NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
			2	4.00		3.60	28.80			
		passage	2	6.76		3.60	48.67			
			1	8.56		3.60	30.82			
			2	19.23		3.60	138.46			
			2	1.80		3.60	12.96			
			2	4.96		3.60	35.71			
			1	1.80		3.60	6.48			
		First Floor								
		Conference room	2	6.80		3.60	48.96			
			2	13.20		3.60	95.04			
		Lab	2	6.80		3.60	48.96			
			2	9.95		3.60	71.64			
		Class room	4	9.80		3.60	141.12			
			4	10.00		3.60	144.00			
		Store	2	4.30		3.60	30.96			
			2	3.02		3.60	21.74			
		passage	2	6.76		3.60	48.67			
			1	8.56		3.60	30.82			
			2	19.23		3.60	138.46			
			2	1.80		3.60	12.96			
			2	4.96		3.60	35.71			
			1	1.80		3.60	6.48			
		Tower								
			2	7.41		9.70	143.75			
			2	6.80		9.70	131.92			
			2	10.05		9.70	194.97			
		Deduction								
		D1	-1	2.00		2.40	-4.80			
		D2	-25	1.00		2.40	-60.00			
		D3	-8	0.75		2.10	-12.60			
		DW2	-2	4.00		2.40	-19.20			
		W1	-58	1.50		1.50	-130.50			
		W2	-2	1.20		1.50	-3.60			
		W3	-4	0.60		1.20	-2.88			
		W4	-8	1.20		2.10	-20.16			
		W5	-5	1.80		1.50	-13.50			
		V1	-6	1.00		0.75	-4.50			
						Total	**4429.05**	sqm	44.50	197092.8674
30	14.12	Applying one coat of cement primer on wall surface (applied @ 0.80 litrs/10 sqm) complete.								
		As Per 12mm Plaster Qty.				**Total**	**2952.89**	sqm	23.00	67916.42
31	14.15	Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface								
	14.15.1	On new work (Two or more coats applied @ 1.43 ltr/ 10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)								
		As Per 15mm Plaster Qty.								
			1	24.50		11.10	271.95			
			2	7.60		11.10	168.72			
			2	23.66		9.10	430.61			
			2	23.66		9.10	430.61			
			1	28.14		5.40	151.96			

S. No.	I. No.	PARTICULAR	Measurement NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
			2	6.80		2.40	32.64			
			2	8.46		8.10	137.05			
			2	4.46		5.40	48.17			
		DEDUCTION								
		D1	-1	2.00		2.40	-4.80			
		DW2	-2	4.00		2.40	-19.20			
		W1	-36	1.50		1.50	-81.00			
		W2	-2	1.20		1.50	-3.60			
		W3	-4	0.60		1.20	-2.88			
		W4	-8	1.20		2.10	-20.16			
		V1	-6	1.00		0.75	-4.50			
						Total	**1535.57**	sqm	56.00	85991.92
32	9.57	Providing stainless steel railing/ grill made of S.S. flats, hollow S.S. pipe or square/ rectangular sections of approved design fixing in stair case, balcony or other places with metal fasteners and stainless steel bolts etc								
	9.57.1	SS Grade 204								
		Ground Floor & First Floor								
		Staircase Railing	2	14.00			28.00	R.M.		
			28.00	at	4.00	Kg/R.m	**112.00**	kg	467.00	52304.00
33	14.22	Painting on new work (two or more coats) to give an even shade with:								
	14.22.2	Premium synthetic enamel								
		Ground to Terrace Floor								
		D1	1	2.00		2.40	4.80			
		D2	25	1.00		2.40	60.00			
		D3	8	0.75		2.10	12.60			
		DW2	2	4.00		2.40	19.20			
		W1	58	1.50		1.50	130.50			
		W2	2	1.20		1.50	3.60			
		W3	4	0.60		1.20	2.88			
		W4	8	1.20		2.10	20.16			
		W5	5	1.80		1.50	13.50			
		V1	6	1.00		0.75	4.50			
						Total	**271.74**	sqm	47.00	12771.78
34	9.14	Providing and fixing steel door made of angle iron of suitable sizes with M.S. grill of approved pattern made of M.S. flats or square or round bars coat of red oxide zinc chromate primer.								
		D1	1	2.00		2.40	4.80			
		D2	15	1.00		2.40	36.00			
		D3	8	0.75		2.10	12.60			
		W1	29	1.50		1.50	65.25			
		W2	1	1.20		1.50	1.80			
		W3	2	0.60		1.20	1.44			
		W4	8	1.20		2.10	20.16			
		W5	5	1.80		1.50	13.50			
		V1	6	1.00		0.75	4.50			
							160.05	sqm		
		Weight @ 25kg per sq m	160	sqm	25.00	kg/m	**4001.25**	kg	79.50	318099.38

S. No.	I. No.	PARTICULAR	Measurement NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
35	12.65.1	Providing & laying 60mm thick precast interlocking concrete blocks of approved size (approx 305 sqcm) and shape/ pattern, over 40 mm thick average complete coarse sand bed with joints of 3mm thick filled by fine sand including leveling with surface vibrator, temping and sweeping etc. complete of minimum compressive strength of 250 kg/sq.cm								
		Plain/ normal coloured precast interlock concrete block								
			1	23.00	20.00		**460.00**	sqm	436.00	**200560.00**
36	3.2.1	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
		1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
			2	23.00	0.20	0.20	1.84			
			6	20.00	0.20	0.20	4.80			
							6.64	cum	4,163.00	**27642.32**

S. No.	I. No.	PARTICULAR	Measurement NO	L	B	D/H	QTY	UNIT	RATE	AMOUNT
37	2.1.1	Providing and fixing formwork including centering, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
		Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								
			4	23.00		0.20	18.40			
			12	20.00		0.20	48.00			
							66.40	sqm	139.00	9229.60
38	9.3.1	Steel work in tubular structure in built-up sections, trusses and frame work including cutting, hoisting, fixing in position upto a height of 5m above plinth level, consisting of columns trusses, roof and bottom purlins, base plate, holding down bolts, wind ties bracing (if required), bolts, nuts and washers for fastening etc. complete with applying a priming coat of red oxide zinc								
		Electric resistance or induction butt welded tubes Grade-250								
			10	10 m span		725.00	**7250.00**	kg	88.50	641625.00
39	~~9.5.1.4~~ 9.5.1	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVC/ neoprene gasket etc. complete. (Cost of aluminium snap beading shall be paid in basic item):								
	9.5.1.2	With float glass panes of 5 mm thickness								
		W1	30	1.50		1.50	67.50			
		W2	2	1.20		1.50	3.60			
		W3	2	0.60		1.20	1.44			
							72.54	sqm	708.00	51358.32
40	9.5.1.3	With float glass panes of 8 mm thickness								
		DW1	2	4.00		2.40	**19.20**	sqm	1051.00	20179.20

Sl No.	SOR Item No.	Particulars	No.	Measurement			Qty	Unit	Rate	Amount
				L	B	D/H				
41	10.13	Supply and fixing of precoated TILE PATTERN profile sheets of approved make, colour, over all size, corrugation shape and pitch, having total coated thickness (TCT) 0.45 mm (approx weight 4.9 kg/sqm) with Zn-Al coating and superior paint and having ycild strength of 550 MPa. Sheet should have protective guard film of 25 microns minimum to avoid scratches while transportation. The sheet shall be fixed using self drilling /self tapping screws of size (5.5x 55mm) with EPDM seal or with polymer coated J or L hooks, bolts and nuts 8mm diameter with bltumen and G.I. limpet washers or with G.I. limpet washers filled with white lead complete upto any pitch excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required.	1	32.00	9.00		288.00	Each	942.00	271296
							Total			**2978543.00**

Sub Engineer

Sub Divisional Officer
PWD Sub Division Saja

Executive Engineer
PWD Division Bemetara

Detailed Estimate for Balance Work for Water Supply, Sanitation & Water Harvesting in ITI Building at Parpodi

Sl No. SOR Item No.	Particulars	No.	Measurement			Quantity	Rate	Unit	Amount
			L	B	D/H				
1 18.1 P-160	Providing and fixing water closet squatting pan (Indian type W.C. pan), 100mm sand cast Iron P or S trap, 10 litre low level P.V.C. flushing cistern (same colour) conforming to IS : 7231, with flush bend and other fittings and fixtures complete including cutting and making good the walls and floors wherever required : 18.1.3) White Orissa pattern W.C. pan of size 580x440 mm	6				6.00	2899.00	each	17394
2 18.4 P-160	Providing and fixing vitreous china water closet (European type W.C. pan) with white ISI marked plastic seat and lid, 10 litre low level white P.V.C. flushing cistern (same colour), conforming to IS : 7231, with all fittings and fixtures complete including cutting and making good the walls and floors wherever required : 18.4.1) White pedestal type	8				8.00	2882.00	each	23056
3 18.17 P-162	Providing and fixing vitreous china wash basin with C.I. brackets, 32 mm C.P. brass waste of standard pattern, including painting of brackets, cutting and making good the walls wherever required : 18.17.1) White Size 550x450 mm	10				10.00	1430.00	each	14300

Sl No. SOR Item No.	Particulars	No.	Measurement			Quantity	Rate	Unit	Amount
			L	B	D/H				
4 18.23 P-164	Providing and fixing white vitreous china laboratory sink with C.I. brackets, C.P. brass chain with rubber plug 40mm C.P brass waste and 40mm C.P. brass trap with necessary C.P. brass unions complete including painting of brackets, cutting and making good the wall wherever required : 18.23.2) Size 600x450x200mm	4				4.00	4502.00	each	18008
5 18.13 P-162	Providing and fixing white vitreous china urinal basin with waste fitting as per IS : 2556, and other couplings in C.P. brass complete: 18.13.2) Flat back type urinal of size 460x380x250mm	4				4.00	1529.00	each	6116
6 18.16 P-162	Providing and fixing one piece construction white vitreous china squatting plate urinal with an integral rim longitudinal flushing pipe.	4				4.00	1401.00	each	5604
7 18.76. 1 P-170	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete. 18.76.1) 75 mm dia pipe.	1	250			250.00	182.00	mtr	45500
	18.76.2) 110 mm dia pipe.	1	350			350.00	267.00	mtr	93450
	18.76.3) 150 mm dia pipe.	1	100			100.00	440.00	mtr	44000

Sl No. SOR Item No.	Particulars	No.	Measurement			Quantity	Rate	Unit	Amount
			L	B	D/H				
8 18.77 P-170	Providing and fixing on wall face UV stabilized Unplasticised - PVC moulded fittings/ accessories having 3.2mm wall thickness for Rigid PVC pipes conforming to IS : 13592 (heavy) jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion. 18.77.1) Tee/ Tee with door/ Bend 45°/ Bend 90° 18.77.1.1) 75 mm	25				25.00	113.00	each	**2825**
	18.77.1.2) 110 mm	20				20.00	154.00	each	**3080**
	18.77.3) Vent covel 18.77.3.2) 110 mm	20				20.00	44.00	each	**880**
	18.77.5) "P" trap 110mmx110mm long	10				10.00	227.00	each	**2270**
	18.77.6) Nahani trap 110x75mm	15				15.00	90.50	each	**1358**
	18.77.8) Plain reducing Tee 110x75mm	10				10.00	129.00	each	**1290**
9 18.30 P-164	Providing and fixing mirror of superior glass (of approved quality) and of required shape and size with plastic moulded frame of approved make and shade with 6 mm thick hard board backing : 18.30.1) 5mm thick mirror	5	0.45	0.60		1.35	2016.00	Sqm	**2722**
10 18.78 P-171	Providing and fixing UV stabilized Unplasticised - PVC pipe clips of approved design to Rigid PVC pipes by means of 50x50x50mm hard wood plugs, screwed with M.S. 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. 18.78.1) 75 mm	20				20.00	57.00	each	**1140**
	18.78.2) 110 mm	20				20.00	61.00	each	**1220**

Sl No. SOR Item No.	Particulars	No.	Measurement			Quantity	Rate	Unit	Amount
			L	B	D/H				
11 19.14 P-179	Providing and fixing 15 mm nominal bore C.P. brass fittings of approved make and conforming to IS:8931 including C.P. brass extension if required: 19.14.1) Bib cock (400 grams)	14				14.00	382.00	each	5348
	19.14.6) Stop cock (concealed) (600 grams)	6				6.00	494.00	each	2964
	19.14.14) Soap dish plate	4				4.00	163.00	each	652
	19.14.15) Towel rail (600mm long x 20mm dia)	4				4.00	338.00	each	1352
12 19.7 P-177	Providing and fixing on wall surface G.I. pipes medium class complete with G.I. fittings and clamps, including cutting, making good the walls etc. and testing of joints complete: 19.7.3) 25 mm dia. nominal bore	1	100.00			100.00	258.00	mtr	25800
	19.7.4) 32 mm dia. nominal bore	1	50.00			50.00	318.00	mtr	15900
	19.7.5) 40 mm dia. nominal bore	1	50.00			50.00	364.00	Mtr	18200
13 19.8 P-177	Providing and fixing concealed in wall G.I. pipes medium class complete with G.I. fittings and clamps, including painting with anti corrosive bitumastic paint, cutting chases, making good the walls etc. and testing of joints complete: 19.8.1) 15 mm dia nominal bore	1	150.00			150.00	188.00	mtr	28200
	19.8.2) 20 mm dia nominal bore	1	150.00			150.00	221.00	mtr	33150
14 19.16 P-179	Providing and fixing brass/ gun metal gate valve with C.I. wheel of approved quality (screwed end): 19.16.1) 25 mm nominal bore	3				3.00	436.00	Each	1308
	19.16.2) 32 mm nominal bore	4				4.00	510.00	Each	2040
	19.16.3) 40 mm nominal bore	5				5.00	596.00	Each	2980

Sl No. SOR Item No.	Particulars	No.	Measurement			Quantity	Rate	Unit	Amount
			L	B	D/H				
15 19.10 P-178	Making connection of G.I. distribution branch in G.I. main of following sizes by providing and fixing tee, including cutting and threading the pipe etc. complete: (dia of main line to be measured) 19.10.1) 25 mm nominal bore	5				5.00	200.00	Each	1000
	19.10.2) 32 mm nominal bore	5				5.00	224.00	Each	1120
16 19.42 P-184	Providing and placing on terrace (at all floor levels) polyethylene water storage tank ISI : 12701 marked with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank	4	1000.00			4000.00	7.30	Ltr	29200
17 20.1 P-184	Providing, laying and jointing glazed stoneware pipes grade 'A' with stiff mixture of cement mortar in the proportion of 1:1 (1 cement : 1 fine sand) including testing of joints etc. complete : 20.1.2) 150 mm diameter	1	100			100.00	262.00	mtr	26200
18 20.2 P-189	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete 150mm thick as per standard design: 20.2.1) 100 mm diameter S.W. pipe	1	100			100.00	357.00	mtr	35700
	20.2.2) 150 mm diameter S.W. pipe	1	150			150.00	436.00	mtr	65400

Sl No. SOR Item No.	Particulars	No.	Measurement			Quantity	Rate	Unit	Amount
			L	B	D/H				
19 20.3 P-190	Providing and fixing square-mouth S.W. gully trap grade 'A" complete with C.I. grating brick masonry chamber with well burnt modular clay bricks crushing strength not less than 35kg/cm2, 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 : 20.3.2) 150 x 100 mm size P type.	10				10.00	1397.00	each	**13970**
20 20.7 P-190	Constructing brick masonry manhole with well burnt modular clay bricks crushing strength not less than 35kg/cm2 in cement mortar 1:4 (1 cement : 4 coarse sand), R.C.C. top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size), foundation in cement 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 : 20.7.1) Inside size 90x80 cm and 45 cm deep including C.I. cover with frame (light duty) 455x610 mm internal dimensions total weight of cover and frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) :	2				2.00	6703.00	each	**13406**

Sl No. SOR Item No.	Particulars	No.	Measurement			Quantity	Rate	Unit	Amount
			L	B	D/H				
21 20.28 P-194	Providing and constructing brick masonry chamber for underground pipe and and bends with well burnt modular clay bricks crushing strength not less than 35kg/cm2 in cement mortar 1:4 (1 cement : 4 coarse sand) C.I. cover with frame (light duty) 455x610 mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23 kg and weight of frame 15 kg) R.C.C. top slab with 1:2:4 mix (1 cement :2 coarse sand : 4 graded stone aggregate 20 mm nominal size) foundation concrete 1:5:10 (1 cement : 5 fine sand : 10 graded stone aggregate 40 mm nominal size), inside plastering 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished smooth with a floating coat of neat cement on walls and bed concrete etc. complete as per standard design : 20.28.1) Inside dimensions 455x610 mm and 45 cm deep for single pipe line :	4				4.00	3796.00	Each	**15184**
	20.28.2) Inside dimensions 500x700 mm and 45 cm deep for pipe line with one or two inlets :	4				4.00	4357.00	Each	**17428**
22 20.31 P-195	Providing and constructing soak pit 1.20x1.20x1.20m filled with brickbats including S.W. drain pipe 100 mm diameter and 1.20 m long complete as per standard design.	2				2.00	1709.00	Each	**3418**
23 9.36 P-84	Providing and fixing approved pipe hand rail to walls (ramps, stair cases) including cutting chases and repairing the same to original condition, applying a priming coat of red oxide zinc chromate primer. 9.36.3) G.I. pipe	30mtr @ 12.50 Kg /Mtr				375.00	84.50	Kg	**31688**
24 8.60 P-62	Providing and fixing bright finished brass sliding door bolt with nuts and brass polished MS screws complete: 8.60.1) 300x16mm	10				10.00	475.00	Each	**4750**

Sl No. SOR Item No.	Particulars	No.	Measurement			Quantity	Rate	Unit	Amount
			L	B	D/H				
25 8.61 P-62	Providing and fixing brass door latch with brass polished MS screws complete: 8.61.1) 300x16x5 mm	10				10.00	398.00	Each	3980
26 8.62 P-62	Providing and fixing bright finished brass tower bolts (barrel type) with brass polished MS screws complete: 8.62.1) 250x10mm	10				10.00	276.00	Each	2760
27 8.77 P-64	Providing and fixing antique/ SS finished brass butt hinges with antique/SS polished MS screw complete: 8.77.3) 75x65x4.00 mm (Heavy Type)	50				50.00	93.00	Each	4650
28 8.73 P-63	Providing and fixing 150mm bright finished brass floor door stopper with rubber cushion & brass polished MS screws etc complete to suit the shutter thickness.	10				10.00	73.00	Each	730
29 21.1 P-198	Boring/drilling bore well perfectly vertical for the specified depth suitable to receive required dia for casing/ strainer pipe, by suitable method prescribed in IS: 2800 (part I), including collecting samples from different strata, preparing and submitting strata chart/bore log, including hire & running charges of all equipments, tools, plants & machineries required for the job, all complete as per direction of Engineer–in-charge upto 90 metre depth below ground level. 21.1.1) All types of soil 21.1.1.3) 150 mm dia	1	20.00			20.00	339.00	Mtr	6780
	21.1.2) Rocky strata including Boulders. 21.1.2.3) 150 mm dia.	1	40.00			40.00	396.00	Mtr	15840

Sl No. SOR Item No.	Particulars	No.	Measurement			Quantity	Rate	Unit	Amount
			L	B	D/H				
30 21.3 P-199	Supplying, assembling, lowering and fixing in vertical position in bore well, unplasticized PVC medium well casing (CM) pipe of required dia, conforming to IS: 12818, including required hire and labour charges, fittings & accessories etc. all complete, for all depths, as per direction of Engineer –in-charge. 21.3.3) 150 mm nominal size dia.	1	20.00			20.00	540.00	Mtr	10800
31 1.1 P-9	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits. 1.1.1) In all types of soils.	1	3.60	3.60	2.70	34.99	182.00	Cum	6368
32 1.6 P-10	Extra for every additional lift of 1.5 m or part thereof. 1.6.1) All types of soils	1	3.60	3.60	1.20	15.55	26.50	Cum	412
33 3.2 P-23	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work. 3.2.1) 1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).	1	0.75	0.75	0.15	0.08			
		4	1.25	$\frac{0.75 + 3.15}{2}$	0.15	1.46			
		4	3.15	0.15	2.00	3.78			
	saptic tank slab	1	6.00	5.00	0.20	6.00			
						11.32	4163.00	Cum	47125

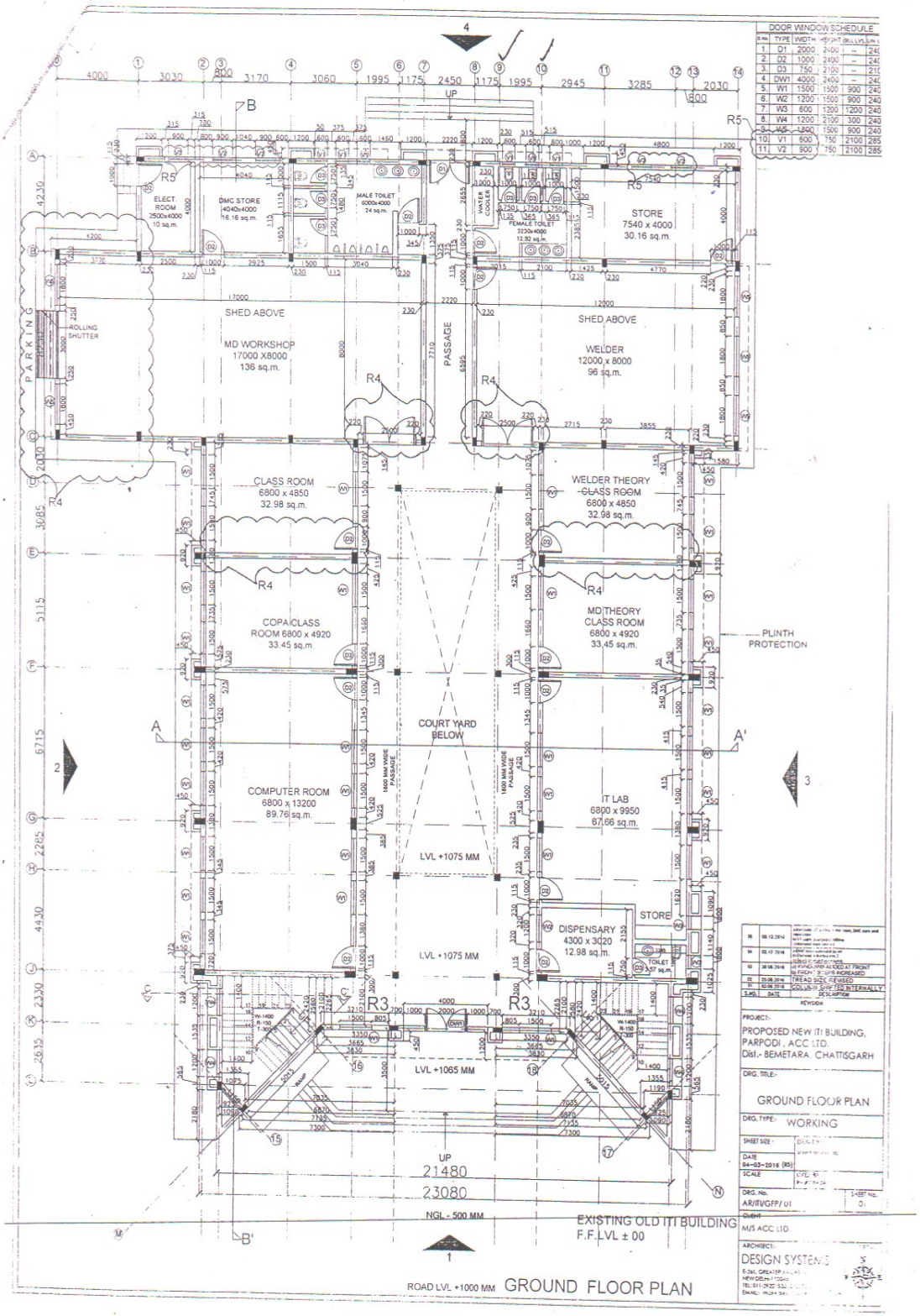
Sl No. SOR Item No.	Particulars	No.	Measurement L	B	D/H		Quantity	Rate	Unit	Amount
34 3.12 P-24	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete: 3.12.1) Thermo-Mechanically treated bars FE 415	@	11.32	X	100.00	Kg/Cum	1132.00	54.50	Kg	61694
35 2.1 P-16	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for: 2.1.2) Wall of any thickness including attached pilasters, buttresses etc. in super structure.	4	2.00	3.15	2.00		50.40	228.00	Sqm	11491
	2.1.7) Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	1	6.00	5.00			30.00	235.00	Sqm	7050
36 11.2 P-103	Providing and making 12mm thick cement plaster of mix: 11.2.4) In Cement Mortar 1:6 (1 cement : 6 fine sand)	4	3.00	-	3.80		45.60	91.50	Sqm	4172
37 11.5 P-104	Neat Cement punning.	4	3.00		3.80		45.60	33.00	Sqm	1505
38 21.14 P-201	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid separately). 21.14.1) Stone boulders of size range 5 cm to 20 cm, in recharge pit	1	3.00	3.00	0.50		4.50	863.00	Cum	3884

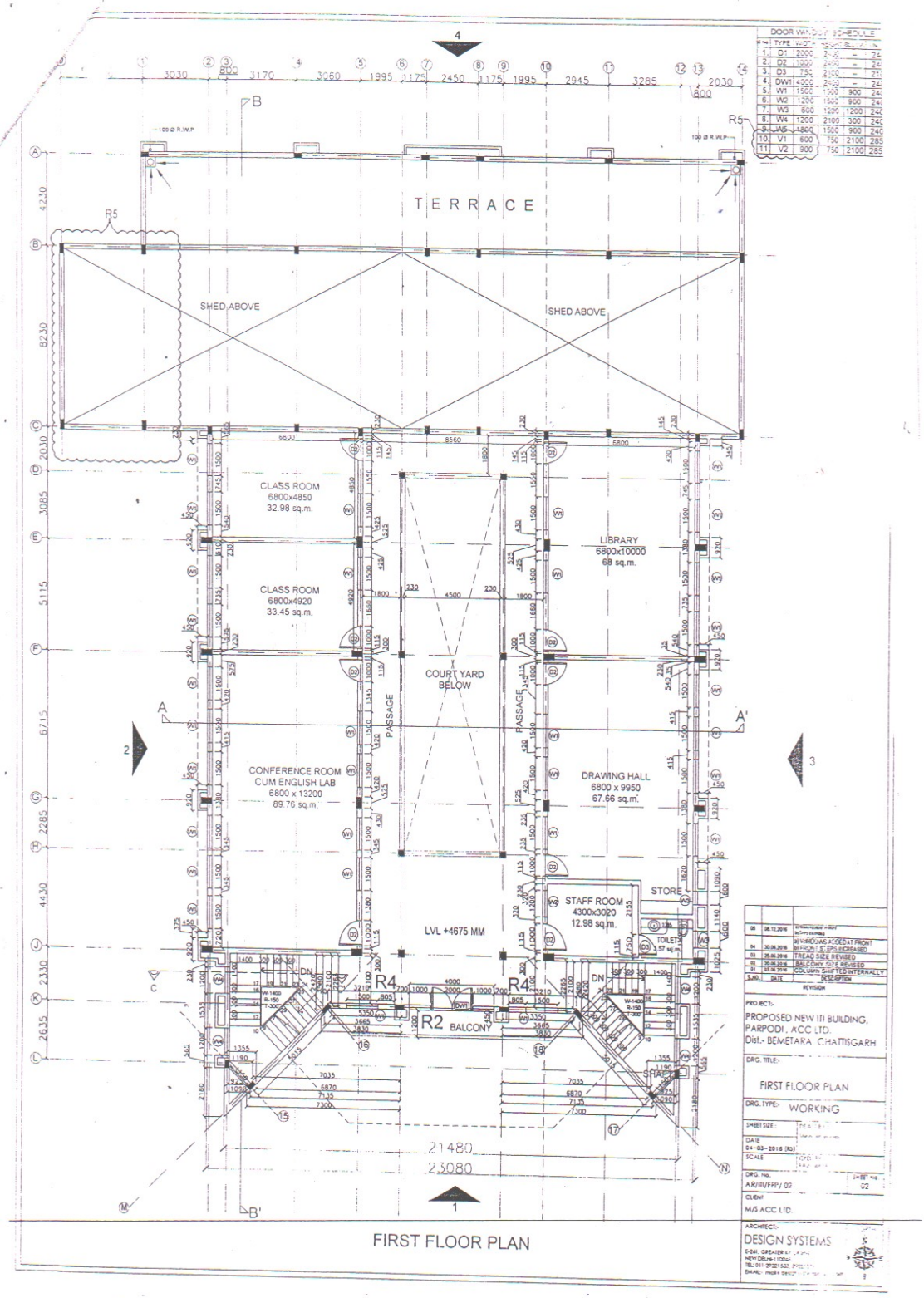
Sl No. SOR Item No.	Particulars	No.	Measurement			Quantity	Rate	Unit	Amount
			L	B	D/H				
	21.14.2) Gravels of size range 5 mm to 10 mm, over the existing layer of boulders	1	3.00	3.00	0.50	4.50	806.00	Cum	3627
	21.14.3) Coarse sand of size range 1.5 mm to 2 mm over existing layer of gravel	1	3.00	3.00	0.50	4.50	471.00	Cum	2120
							Grand Total		**875559.00**

Sub Engineer

Sub Divisional Officer
PWD Sub Division Saja

Executive Engineer
PWD Division Bemetara


DOOR WINDOW SCHEDULE
S.No. TYPE WIDTH HEIGHT (SILL LVL) LINTEL
1. D1 2000 2400 -- 240
2. D2 1000 2400 -- 240
3. D3 750 2100 -- 210
4. DW1 4000 2400 -- 240
5. W1 1500 1500 900 240
6. W2 1200 1500 900 240
7. W3 600 1200 1200 240
8. W4 1200 2100 300 240
9. W5 1800 1500 900 240
10. V1 600 750 2100 285
11. V2 900 750 2100 285
ELECT ROOM 2500x4000 10 sq.m.
BMC STORE 4040x4000 16.16 sq.m.
MALE TOILET 6000x4000 24 sq.m.
WATER COOLER
FEMALE TOILET 3220x4000 12.92 sq.m.
STORE 7540 x 4000 30.16 sq.m.
SHED ABOVE
MD WORKSHOP 17000 X8000 136 sq.m.
ROLLING SHUTTER
PARKING
PASSAGE
SHED ABOVE
WELDER 12000 x 8000 96 sq.m.
CLASS ROOM 6800 x 4850 32.98 sq.m.
WELDER THEORY CLASS ROOM 6800 x 4850 32.98 sq.m.
COPA CLASS ROOM 6800 x 4920 33.45 sq.m.
MD THEORY CLASS ROOM 6800 x 4920 33.45 sq.m.
PLINTH PROTECTION
COURT YARD BELOW
COMPUTER ROOM 6800 x 13200 89.76 sq.m.
IT LAB 6800 x 9950 67.66 sq.m.
LVL +1075 MM
STORE
DISPENSARY 4300 x 3020 12.98 sq.m.
TOILET 3.57 sq.m.
LVL +1075 MM
LVL +1065 MM
UP
21480
23080
NGL - 500 MM
EXISTING OLD ITI BUILDING F.F.LVL ± 00
ROAD LVL +1000 MM
GROUND FLOOR PLAN
PROJECT:- PROPOSED NEW ITI BUILDING, PARPODI , ACC LTD. Dist.- BEMETARA CHATTISGARH
DRG. TITLE:- GROUND FLOOR PLAN
DRG. TYPE:- WORKING
SHEET SIZE :- A1
DATE 04-03-2016 (RS)
SCALE LVL +/-
DRG. No. AR/ITI/GFP/ 01
SHEET No. 01
CLIENT M/S ACC LTD.
ARCHITECT:- DESIGN SYSTEMS



DOOR WINDOW SCHEDULE					
SL NO	TYPE	WIDTH	HEIGHT	SILL LVL	
1.	D1	2000	2400	–	24
2.	D2	1000	2400	–	24
3.	D3	750	2100	–	21
4.	DW1	4000	2400	–	24
5.	W1	1500	1500	900	24
6.	W2	1200	1500	900	24
7.	W3	900	1200	1200	24
8.	W4	1200	2100	300	24
9.	JAS	4800	1500	900	24
10.	V1	600	750	2100	28
11.	V2	900	750	2100	28

NO	DATE	DESCRIPTION
		REVISION
06	08.12.2016	[illegible]
04	30.08.2016	RAMP/SLOPE REDUCED AT FRONT & STEPS INCREASED
03	25.08.2016	TREAD SIZE REVISED
02	20.08.2016	BALCONY SIZE REVISED
01	03.08.2016	COLUMN SHIFTED INTERNALLY

PROJECT:-
PROPOSED NEW ITI BUILDING,
PARPODI, ACC LTD.
Dist.- BEMETARA CHATTISGARH

DRG. TITLE:-
FIRST FLOOR PLAN

DRG. TYPE:- WORKING

SHEET SIZE: [illegible]

DATE
04-03-2016 (R3)

SCALE [illegible]

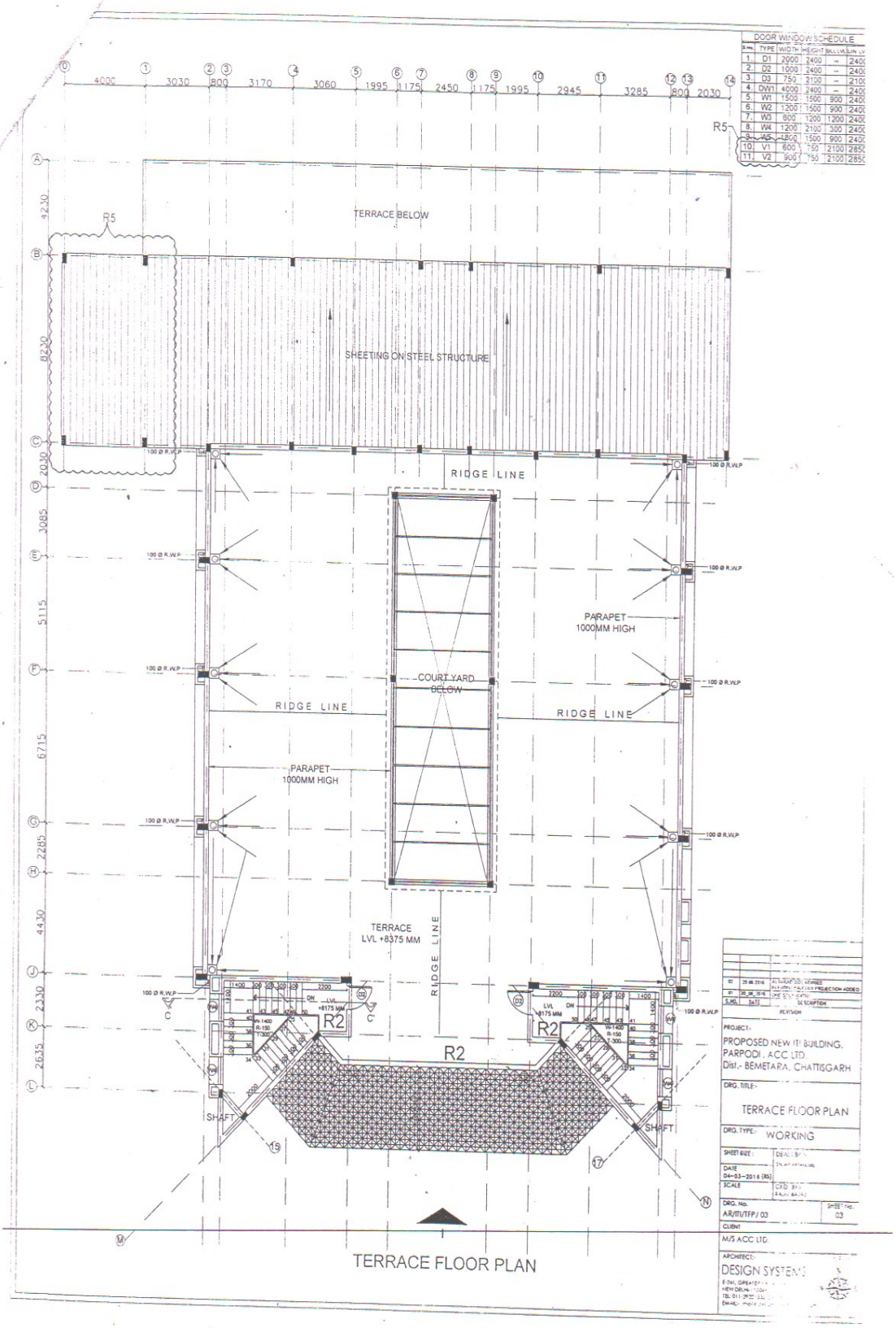
DRG. No.
AR/ITI/FFP/ 02

SHEET No.
02

CLIENT
M/S ACC LTD.

ARCHITECT:
DESIGN SYSTEMS
E-241, GREATER K[illegible]
NEW DELHI-110048.
TEL: 011-29221320 [illegible]
EMAIL: mail@design[illegible]

FIRST FLOOR PLAN



DOOR WINDOW SCHEDULE					
S.No.	TYPE	WIDTH	HEIGHT	SILL LVL	LIN. LV
1.	D1	2000	2400	--	240
2.	D2	1000	2400	--	240
3.	D3	750	2100	--	210
4.	DW1	4000	2400	--	240
5.	W1	1500	1500	900	240
6.	W2	1200	1500	900	240
7.	W3	800	1200	1200	240
8.	W4	1200	2100	300	240
9.	W5	1500	1500	900	240
10.	V1	600	750	2100	265
11.	V2	900	750	2100	265

10	25.08.2016	AS PER SITE, HEIGHT
09	26.06.2016	AS PER SITE, FACTORY PROJECTION ADDED
S.NO.	DATE	DESCRIPTION

REVISION

PROJECT:-
PROPOSED NEW IT BUILDING,
PARPODI, ACC LTD.
Dist.- BEMETARA, CHATTISGARH

DRG. TITLE:-
TERRACE FLOOR PLAN

DRG. TYPE:- WORKING

SHEET SIZE : D(A1) SIZE

DATE 04-03-2016 (RS)

SCALE 1:50 (A1), 1:100 (A3)

DRG. No. A/RIT/TFP/03

SHEET No. 03

CLIENT
M/S ACC LTD.

ARCHITECT:
DESIGN SYSTEM

TERRACE FLOOR PLAN