

BoQ of Renovation of Old test lab. of NCC for Workshop shed for MME Dept. Near of Block-09 at IIT Patna										Annexure-I
SN	Description of items	No.	L,m	B,m, Av.	H,m, Av.	Qty	units	As per DSR 2021 with cost index Rate, Rs.	Amount, Rs.	
1	Dismantling									
	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.									
	All kinds of soil,									
	Foundation, Qty-80m*2.4*0.150= 28.80m3	1	80	2.4	0.15	28.800	Cu.m.	224.97	6479.14	
2	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.									
	in cement mortar	2	4.2	2.45	0.25	5.150	Cu.m.	1859.80	9577.97	
3	Providing designation 100 A one brick flat soling joints filled with local sand for road including cost of watering, taxes, royalty all complete as per building specification and direction of E/I, but excluding carriage cost of bricks & sand.	1	90	2.4		216.000	m2	257.98	55723.68	
4	Centering and shuttering including strutting, propping etc. and removal of form for :									
	Edges of slabs and breaks in floors and walls									
	Under 20 cm wide, PL bend & L Bend, Chajja , floor side edge	1	15			15	RM	199.18	2987.70	
5	C.C work 1:3:6 (1 Cement : 3 coarse sand (zone-III) : 6 graded stone aggregate 20 mm nominal size)									
	Flooring	1	8.5	3	0.075	1.910				
		1	6	2	0.075	0.900				
	Total					2.810	m3	7482.57	21026.02	

6	Brick work with common burnt clay modular bricks of class designation 7.5 in foundation and plinth in: 6.2.2 Cement Mortar 1:6 (1 cement : 6 coarse sand).	1					13.500	m3	6077.20	82042.20
	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand) ,	1					130.000	m2	322.86	41971.80
	Steel Work:									
7	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished welded type tubes									
	MS SQ pipe for column square pipe (65*65*3)mm for Truss sq pipe (25*25*3 mm) for purline + binding runner+ Wind tie (MS flat50*5) and false ceiling support by MS Flat.	1					210	kg	169.62	35620.20
8	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, Qty-column and purline and door	1					20	Sq.m.	209.58	4191.60
9	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, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / paneling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :									

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i.e. Total Rs.6, 45, 843/- only

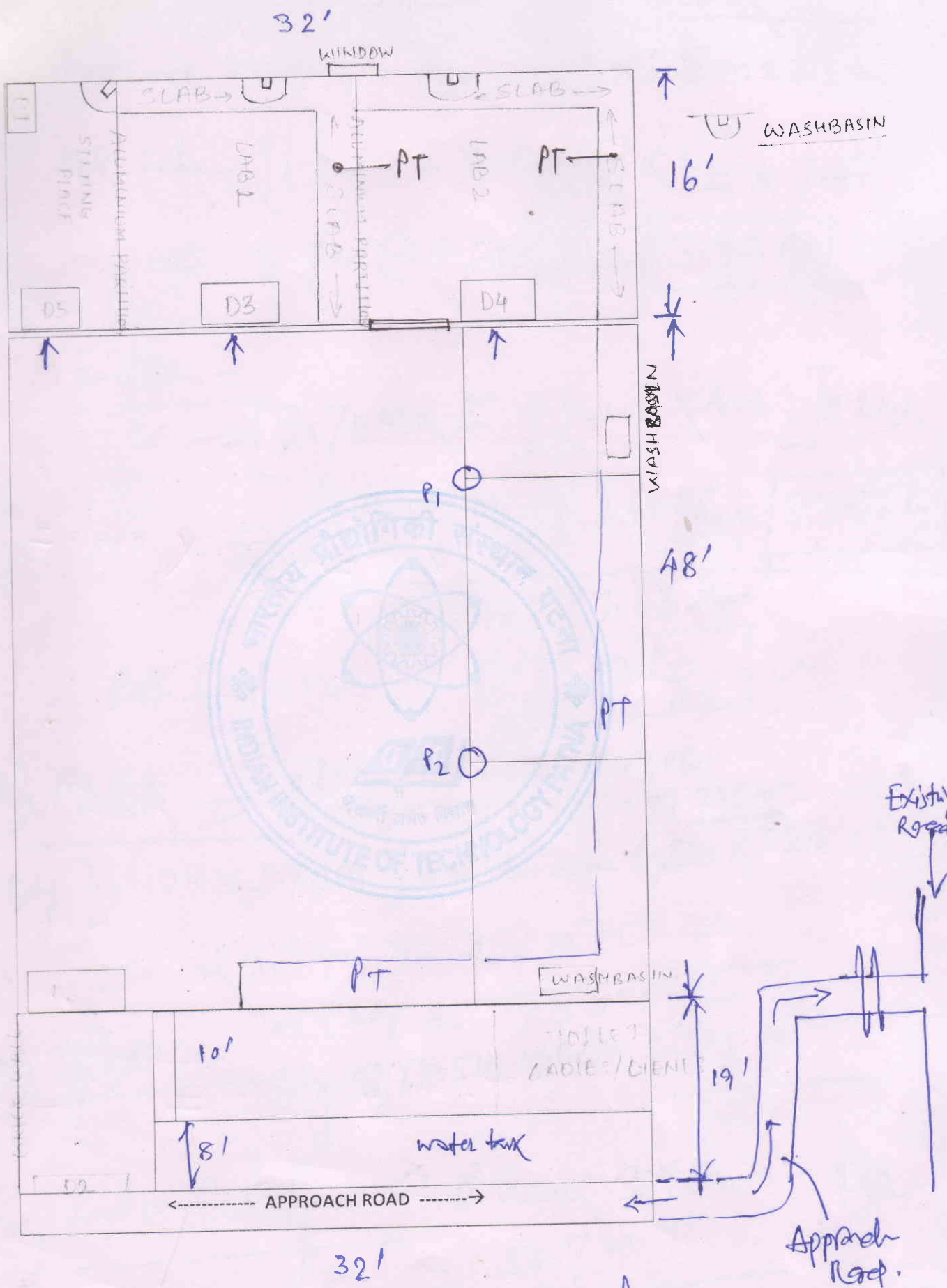
LIST OF APPROVED MAKE OF MATERIALS:

Specification/brands names of materials (Refer materials, whichever are applicable for the scope of work) and finishes approved by the Engineer-in-Charge are List below. However, approved equivalent material and finishes of any other specialized firms may be used, in case it is established that the brands specified below are not available in the market and subject to written approval of the alternate brand by the Engineer-in-Charge of IIT Patna. Wherever available, ISI brand materials should be used, in case of non-availability of ISI brand materials, written approval required from IIT Patna.

Sl. No	MATERIALS	APPROVED MAKE
1.	MS pipe, Flat, Angle, channels	JINDAL, TATA, RINL
2.	Glass	Modi Guard, Saint-Gobain ISI marked
3.	Pre-laminated board	ASIS, NOVAPAN, ARCHID PLY, CENTURY, KITPLY, Action tessa etc.
4.	Enamel Paint, Primer	ASIAN, NEROLAC, BURGER, BRITISH
5.	False ceiling	Aerolite, Gypsum India, ARMSTRONG
6.	PVC pipe and fittings	Supreme, Prince, Ashirwad
7.	Cement	Ultratech, Jaypee, Ambuja
8.	Al-Section	Nalco, Alco, ISI marked
9.	GI profile sheet	JINDAL, TATA, JSW

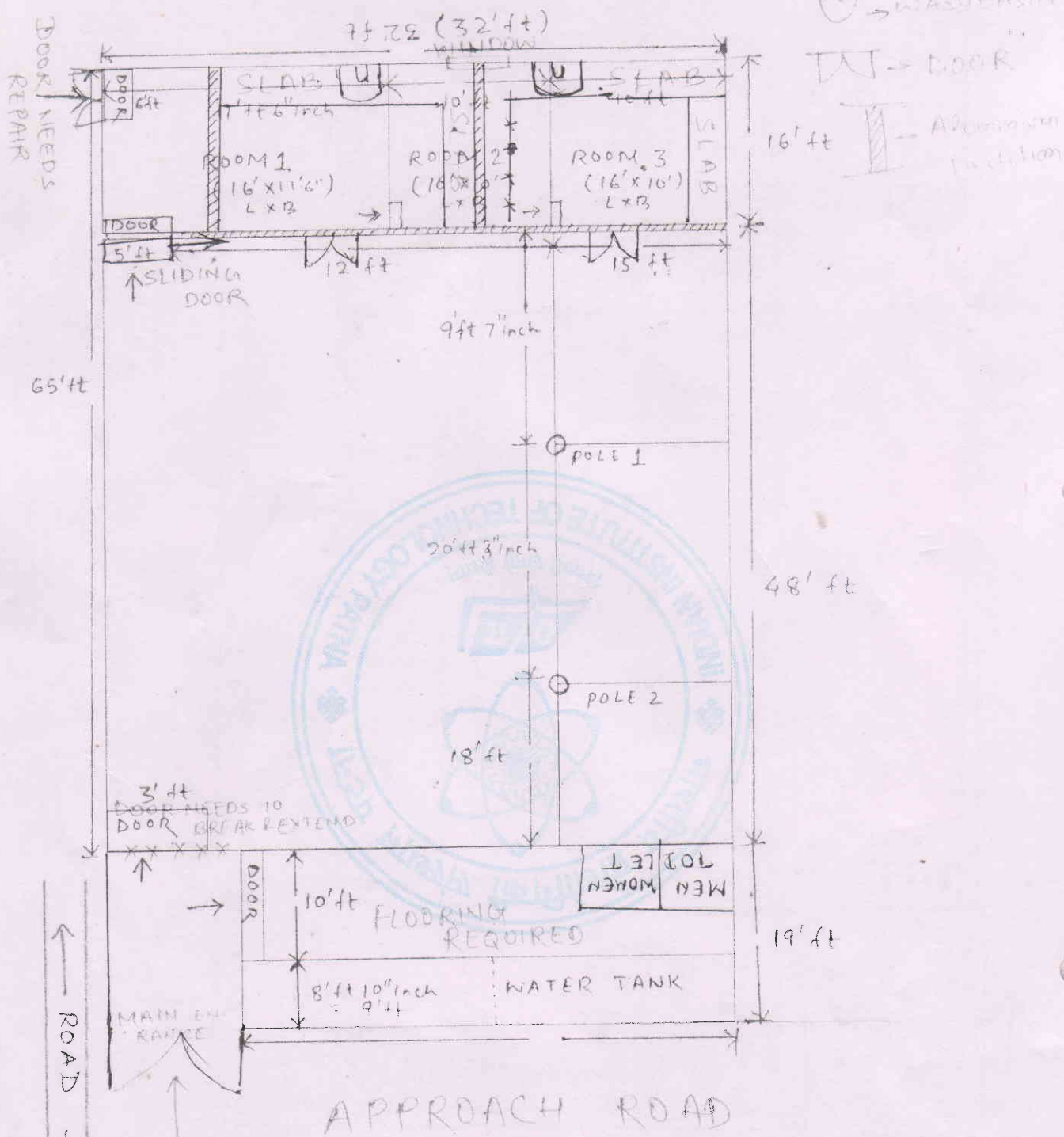
UICF
21/8/23
Registrar,
IIT Patna

On Jay



32'

Atishu,
AE/C



ALL WINDOWS NEEDS REPAIR

AEV