

INDIAN INSTITUTE OF INTEGRATIVE MEDICINE (IIM), JAMMU
(COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH)

**NAME OF WORK: Proposal for setting TBI Cubical facility near cGMP Plant at (IIM),
Jammu**

SCHEDULE OF QUANTITIES

S.N.	DESCRIPTION	QTY.	UNIT	RATE	AMOUNT
	<u>CIVIL WORK</u>				
1.	Dismantling of RCC chamber, water tank, foundation and removing/ shifting of old machine, electrical pump, drayer, 4" G.I. pipe fitting etc. by mechanical transport including loading, unloading and proper stacking within 300 mtr. lead as per direction of Engineer in-charge. (The contractor shall visit of site and study the scope in detail work before submitting tender)	1.00	One Job		
2.	Disposal/ Carriage of materials by mechanical transport including loading, unloading and stacking of building rubbish materials upto 2 KM	60.00	Cum		
3.	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or richer mix (i/c equivalent design mix)	5.95	Cum		
4.	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	0.96	Cum		
5.	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.	4.76	Cum		

6.	Taking out doors, windows and clerestory window shutters (steel or wood) including stacking within 50 metres lead :				
A	Of area 3 sq. metres and below	4.00	Each		
B	Of area beyond 3 sq. metres	12.00	Each		
7.	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. For thickness of tiles 10 mm to 25 mm	100.88	Sqm		
8.	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	258.66	Sqm		
9.	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 sqm 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.	9.03	Cum		
10.	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	2.71	Cum		
11.	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m. : All kinds of soil	300.00	Sqm		

12.	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
A	1:2:4 (1 Cement: 2 coarse sand : 4 graded stone aggregate 20 mm nominal size).	4.38	Cum		
B	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	20.09	Cum		
13.	Reinforced cement concrete work in beams, suspended floors, roofs having slope up to 15° landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases above plinth level up to floor five level, excluding the cost of centering, shuttering, finishing and reinforcement, with 1:1.5:3 (1 cement: 1.5 coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size).	2.82	Cum		
14.	Centering and shuttering including strutting, propping etc. and removal of form for : Suspended floors, roofs, landings, balconies and access platform	39.20	Sqm		
15.	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars.	332.42	Kg		
16.	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in : Cement mortar 1:6 (1 cement : 6 coarse sand)	3.38	Cum		
17.	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level in all shapes and sizes in : Cement mortar 1:6 (1 cement : 6 coarse sand)	5.33	Cum		

18.	Half brick masonry with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in superstructure above plinth level up to floor V level. Cement mortar 1:4 (1 cement :4 coarse sand)	50.50	Sqm		
19.	Providing and fixing 18 mm 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, approved shade, colour and texture laid over 20 mm thick base cement mortar 1:4 (1 cement : 4 coarse sand), joints treated with white cement, mixed with matching pigment, epoxy touch ups, including rubbing, curing, moulding and polishing to edges to give high gloss finish etc. complete at all levels. Granite of any colour and shade - Area of slab over 0.50 sqm	25.92	Sqm		
20.	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.				
A	75 mm diameter	60.00	Mtr.		
B	110 mm diameter	30.00	Mtr.		
21.	Providing and fixing on wall face unplasticised - PVC moulded fittings/ accessories for unplasticised Rigid PVC rain ater pipes conforming to IS : 13592 Type A, including jointing with seal ring conforming to IS : 5382, leaving 10 mm gap for thermal expansion. Bend 87.5°				
A	75 mm bend	6.00	Each		
B	110 mm bend	6.00	Each		

22.	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 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.				
A	110 mm bend	6.00	Each		
23.	12 mm cement plaster of mix : 1:6 (1 cement: 6 coarse sand)	370.00	Sqm		
24.	6 mm cement plaster of mix : 1:3 (1 cement : 3 fine sand)	45.50	Sqm		
25.	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	274.00	Sqm		
26.	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 thinnable priming coat with cement primer	238.00	Sqm		
27.	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm)	264.00	Sqm		
28.	Painting with synthetic enamel paint of approved brand and manufacture of required colour to give an even shade: One or more coats on old work.	12.96	Sqm		
29.	Providing and fixing Ist quality ceramic glazed wall tiles (300x600 mm)conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except				

	<p>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 sqm, including pointing in white cement mixed with pigment of matching shade complete.</p>	42.84	Sqm		
30.	<p>Providing and laying rectified Glazed Ceramic floor tiles of size 300x300 mm or more (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in colours White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick cement mortar 1:4 (1 Cement: 4 Coarse sand), jointing with grey cement slurry @ 3.3kg/ sqm including grouting the joints with white cement and matching pigments etc., complete.</p>	8.99	Sqm		
31.	<p>Providing and laying vitrified floor tiles in different sizes (thickness to be specified by the manufacturer) with water absorption 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), jointing with grey cement slurry @ 3.3kg/sqm including grouting the joints with white cement and matching pigments etc., complete. Size of Tile 600x600 mm</p>	224.64	Sqm		
32.	<p>Providing and laying 60mm thick factory made cement concrete interlocking paver block of M - 30 grade made by block making machine with strong vibratory compaction, of approved size, design & shape, laid in required colour and pattern over and including 50mm thick compacted bed of coarse sand, filling the joints with line sand etc. all complete as per the</p>				

	direction of Engineer-in-charge.	54.00	Sqm		
33.	Providing and fixing wash basin with C.I. brackets, 15 mm C.P. brass pillar taps, 32 mm C.P. brass waste of standard pattern, including painting of fittings and brackets, cutting and making good the walls wherever require: White Vitreous China Wash basin size 550x400 mm with single of 15 mm C.P. brass pillar taps	2.00	Each		
34.	Providing and fixing white vitreous china pedestal for wash basin completely recessed at the back for the reception of pipes and fittings.	2.00	Each		
35.	Providing and fixing Stainless Steel A ISi 304 (18/8) kitchen sink as per IS: 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 : Kitchen sink without drain board 470x420 mm bowl depth 178 mm	9.00	Each		
36.	Providing and fixing 8 mm dia C.P. / S.S. Jet with flexible tube upto 1 metre long with S.S. triangular plate to Eureka type W.C. of quality and make as approved by Engineer - in - charge.	2.00	Each		
37.	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	2.00	Each		
38.	Providing and fixing 600x120x5 mm glass shelf with edges round off, supported on anodised aluminium angle frame with C.P. brass brackets				

	and guard rail complete fixed with 40 mm long screws, rawl plugs etc., complete.	2.00	Each		
39.	Providing and fixing toilet paper holder: C.P. brass.	2.00	Each		
40.	Providing and fixing PTMT liquid soap container 109 mm wide, 125 mm high and 112 mm distance from wall of standard shape with bracket of the same materials with snap fittings of approved quality and colour, weighing not less than 105 gms.	2.00	Each		
41.	Providing and fixing PTMT towel ring trapezoidal shape 215 mm long, 200 mm wide with minimum distances of 37 mm from wall face with concealed fittings arrangement of approved quality and colour, weighing not less than 88 gms.	2.00	Each		
42.	Providing and fixing white vitreous china battery based infrared sensor operated urinal of approx. size 610 x 390 x 370 mm having pre & post flushing with water (250 ml & 500 ml consumption), having water inlet from back side, including fixing to wall with suitable brackets all as per manufacturers specification and direction of Engineer-in-charge.	2.00	Each		
43.	Providing and fixing floor mounted, white vitreous china single piece, double traps syphonic water closet of approved brand/ make, shape, size and pattern including ntegrated white vitreous china cistern of capacity 10 litres with dual flushing system, including all fittings and fixtures with seat cover, cistern fittings, nuts, bolts and gasket etc including making connection with the existing P/S trap, complete in all respect				

	as per directions of Engineer-in-Charge.	2.00	Each		
44.	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc. Internal work - Exposed on wall				
A	15 mm dia. nominal bore	45.00	Mtr.		
B	20 mm dia. nominal bore	45.00	Mtr.		
45.	Providing and fixing brass stop cock of approved quality :				
A	15 mm nominal bore	9.00	Each		
B	20 mm nominal bore	2.00	Each		
46.	Providing and fixing uplasticised PVC connection pipe with brass unions : 45 cm length 15 mm nominal bore	11.00	Each		
47.	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (new work)				
A	15 mm nominal bore	8.00	Each		
B	20 mm nominal bore	8.00	Each		
48.	Providing and fixing C.P. brass long body bib cock of approved quality conforming to IS standards and weighing not less than 690 gms. 15 mm nominal bore	11.00	Each		
49.	Providing and fixing C.P. brass stop cock (concealed) of standard design and of approved make conforming to IS: 8931. 15 mm nominal bore	6.00	Each		

50.	Providing and fixing C.P. brass angle valve for basin mixer and geyser points of approved quality conforming to IS:893115 mm nominal bore	4.00	Each		
51.	Providing and fixing PTMT grating of approved quality and colour. Circular type 100 mm nominal bore	14.00	Each		
52.	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 as per standard design : 100 mm diameter S.W. pipe	15.00	Mtr.		
53.	Providing and fixing square-mouth S.W. gully trap class SP-1 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: 100x100 mm size P type. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	2.00	Each		
54.	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 p, bottom and sides with required EPD Mrubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required minimum 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): For fixed portion, Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	1421.57	Kg		
55.	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 EPDM rubber / neoprene gasket required (Fittings shall be paid for separately) Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	342.51	Kg		
56.	Providing and fixing 12 mm thick prelaminated particle board flat pressed three layer or graded wood particle board conforming to IS: 12823 Grade I Type II, in panelling fixed in aluminum doors, windows shutters and partition frames with C.P. brass / stainless steel screws etc. complete as per architectural drawings and directions of engineer-in-charge. Pre-laminated particle board with decorative lamination on both sides	42.40	Sqm		
57.	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with EPDM rubber / neoprene gasket etc. complete as per the architectural drawings and the directions of engineer-in-charge. (Cost of aluminium snap beading shall be paid in basic item): With single glass panes of 5.50 mm thickness	112.18	Sqm		
58.	Providing and fixing double action hydraulic				

	<p>floor spring of approved brand and manufacture conforming to IS : 6315, having brand logo embossed on the body / plate with double spring mechanism and door weight upto 125 kg, for doors, including cost of cutting floors, embedding in floors as required and making good the same matching to the existing floor finishing and cover plates with brass pivot and single piece M.S. sheet outer box with slide plate etc. complete as per the direction of Engineer-in-charge. With stainless steel cover plate minimum 1.25 mm thickness</p>	12.00	Nos.		
59.	<p>Filling the gap in between aluminium frame & adjacent RCC/ Brick/ Stone work by providing weather silicon sealant over backer rod of approved quality as per architectural drawings and direction of Engineer-in-charge complete. Upto 5mm depth and 5 mm width</p>	108.00	Mtr.		
60.	<p>Providing and fixing 100mm brass locks (best make of approved quality) for aluminium doors including necessary cutting and making good etc. complete.</p>	16.00	Nos.		
61.	<p>Providing and fixing 12 mm thick frameless toughened glass door shutter of approved brand and manufacture, including providing and fixing top & bottom pivot & spring type fixing arrangement and making necessary holes etc. for fixing required door fittings, all complete as per direction of Engineer-in-charge (Door handle, lock and stopper etc.to be paid separately).</p>	3.24	Sqm		
62.	<p>Providing and fixing aluminium extruded section body tubular type universal hydraulic door closer (having brand logo with IS : 3564, embossed on</p>				

	the body, door weight upto 36 kg to 80 kg and door width from 701 mm to 1000 mm), with double speed adjustment with necessary accessories and screws etc. complete.	2.00	Nos.		
63.	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 : 250x16 mm	3.00	Nos.		
64.	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 :				
A	200x10 mm	21.00	Nos.		
B	100x10 mm	16.00	Nos.		
65.	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 :				
A	125 mm	42.00	Nos.		
B	100 mm	8.00	Nos.		
66.	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. Twin rubber stopper	6.00	Nos.		
67.	Providing and fixing aluminium casement stays, ISI marked, anodised (anodic coating not less				

68.	<p>than grade AC 10 as per IS : 1868) transparent or dyed to required colour and shade, with necessary screws etc. complete.</p> <p>Providing and fixing tiled false ceiling of approved materials of size 595x595 mm in true horizontal level, suspended on inter locking metal grid of hot dipped galvanized steel sections (galvanized @ 120 grams/ sqm, both side inclusive) consisting of main "T" runner with suitably spaced joints to get required length and of size 24x38 mm made from 0.30 mm thick (minimum) sheet, spaced at 1200 mm center to center and cross "T" of size 24x25 mm made of 0.30 mm thick (minimum)sheet, 1200 mm long spaced between main "T" at 600 mm center to center to form a grid of 1200x600 mm and secondary cross "T" of length 600 mm and size 24x25 mm made of 0.30 mm thick (minimum) sheet to be interlocked at middle of the 1200x600 mm panel to form grids of 600x600 mm and wall angle of size 24x24x0.3 mm and laying false ceiling tiles of approved texture in the grid including, required cutting/making, opening for services like diffusers, grills, light fittings, fixtures, smoke detectors etc. Main "T" runners to be suspended from ceiling using GI slotted cleats of size 27 x 37 x 25 x1.6 mm fixed to ceiling with 12.5 mm dia and 50 mm long dash fasteners, 4 mm GI adjustable rods with galvanised butterfly level clips of size 85 x 30 x 0.8 mm spaced at 1200 mm center to center along main T, bottom exposed width of 24 mm of all T-sections shall be pre-painted with polyester paint, all complete for all heights as per specifications, drawings and as directed by Engineer-in-charge. 12.5 mm thick square edge PVC Laminated Gypsum Tile of size 595x595</p>	8.00	Nos.		
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	mm, made of Gypsum plasterboard, manufactured from natural gypsum as per IS 2095 part I and laminated with white 0.16mm thick fire retardant PVC film on the face side and 12micron metalized polyester on the back side with all edges sealed with the face side PVC film which goes around and wraps the edges and is bonded to the edges and the back side metalized polyester film so as to make the tile a completely sealed unit.	214.63	Sqm		
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Note: Rates shall be quoted in figures and words both for each item. Calculation of the amount of each item and total cost shall be written by the contractor in BOQ of the tender document clearly, failing which tender may be rejected.

Signature of Contractor

LIST OF APPROVED MAKES (CIVIL WORKS)

S.No	Materials	Approved Make / Manufactures
1	Adhesive solvent cement	Pedilite, Sikka, Fosroc, CICO,
2	Aluminum Building Hardware	IPSA, Everite, EBCO, ECIE, Hardwin Traders
3	Angle Iron	TATA, SAIL, RINL
4	Anodised Aluminium section	Jindal, Hindalco, Indalco
5	C. P fitting	Parko, EES EES, Mark
6	C.I Cover & Manhole Cover	Bajaj, MES , RIF & NICO
7	Cast Iron Pipes & Fittings Manhole Covers and Frames As per IS: 1729 (Manhole covers and frames)	Bajaj, MES, NECO, BIC Calcutta, Kajeco,
8	Cement (OPC)	ACC, Ambuja, Birla, L&T, J.P.Rewa,
9	Cement Primer	Asian, Nerolac, Dulux
10	Ceramic Tiles/ Vitrified Tiles	Kajaria, Nitco, Orient, Somany, H & R Jonhson
11	CP Brass fittings & Accessories	Ess-ess, Mark, Parko
12	Door lock	Godrej, Harrison, link
13	Epoxy Paint	Asian, Nerolac, Dulux
14	G. I Fitting	UNIK, DRP-M, KENT, ZOLOTO-M
15	G. I Sheet	TATA, RINL, Jindal, SAIL
16	G. I. Chain Link or barbed wire fencing	TATA, SAIL, Kamdhenu
17	G. I. Pipe	Jindal, Prakash surya, TATA
18	Gate/ wheel valve	Leader, DRP, ZOLOTO
19	Glass, Mirror (Float/ Sheet)	Modiguard, Saint Gobian, TATA Continantal
20	GM/ Forged Brass Ball Valves	Zoloto, DRP, Sant / Leader
21	Gun metal valves	Leader
22	Hydraulic door closer	Everest, Godrej
23	M. S. pipe	TATA, SAIL, RINL
24	Mild steel Bar / TMT bar	SAIL, TATA, RINL, Rathi, Kamdhenu
25	Oil bound distemper paint	Asian, Nerolac, Dulux
26	Orissa Pan, W.C, Vitreous china sink and wash basin, Urinal etc.	Hindware, Orient, Cera, Paryware
27	Paver Tiles	Endura, Marbonite
28	Plastic Emulsion Paint	Asian, Nerolac, Dulex
29	Polymer Sealent for expansion Joint	SIKA, CICO, Pidilite, G.E. Silicon.
30	Pre-Coated iron Galvanized profile sheet and accessories	Lioydeck, Trackdeck, Multiclad, TATA Bluescope
31	Pre-laminated particle board	Kitlam, Durolam, Anchor, Durian, Novappan
32	PTMT fitting	Prayag, Praksh Surya
33	PVC flushing cistern	Hindware, Cera, Parryware
34	PVC plastic seat (W.C)	Commonder, Hindustan Sanitary ware, Hindware
35	Rain Water & PVC Pipes & Fitting	Prince, Supreme, Finolex, SFMC
36	RCC Pipe	Ashok Cement Pipe, Indian Hume Pipe, KK
37	Sealant and Additives	Asian Paints, Fosroc, Pidilite
38	Stainless Steel Sink	Nilkanth, Nirali, Jayna, Crysil
39	Synthetic enamel paint/ primer	Asian, Nerolac, Dulux
40	Textured exterior paint	Asian, Nerolac, Dulux
41	Varnish	Asian, Nerolac, Dulux

42	Wall Putty	JK Wall Putty, Birla Putty
43	Water Proofing Compound	FOSROC, SIKA, CICO
44	Water proofing paint/ Snowcem	Snowcem-plus, Nerolac
45	White Cement	ACC, Birla, JK Birla, Ultra-Tech
46	18mm/12mm/6mm /4mm Ply Board	Confore, Garnix, Century, Douro
47	Fevicol	Pidilite, SH
48	Mica	Mririno, Greenlam, Kitlam
49	Fly Proof Galvanised Wiremesh	Power
50	Water Storage Tank	Sintex

Note :-

- 1.0 Choice of selection materials to be used in work out of the approved list shall remain with Engineer of the work.

- 2.0 The work shall be carried out strictly according to lasted CPWD Specification and in confirmation to I. E. rules.

Signature of Contractor