



महाराजा गंगा सिंह विश्वविद्यालय

राष्ट्रीय राजमार्ग सं. 15, जैसलमेर रोड, बीकानेर (राजस्थान) भारत

कार्य का नाम :- विश्वविद्यालय परिसर में शोध के लिए हॉल का निर्माण कार्य।

निविदा प्रपत्र

1. निविदादाता का नाम :-.....
2. पूरा पता :-.....
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3. आयकर पैन नं. :-.....
4. निविदा शुल्क जमा राशि :-.....
रसीद संख्या/दिनांक :-.....
5. मैं/हम विश्वविद्यालय द्वारा जारी निविदा सूचना संख्या.....दिनांक.....तथा निविदा प्रपत्र के साथ संलग्न सभी शर्तों को स्वीकार करते हैं।
6. धरोहर राशि हेतु बैंक ड्राफ्ट/बैंकर चेक संख्या.....दिनांक.....आहरित बैंक का नाम.....रोकड़ संख्या.....दिनांक.....राशि रु.....संलग्न है।
7. पंजीकृत ठेकेदारों का विवरण :- 1. पंजीयन कार्यालय/विभाग का नाम.....
:- 2. पंजीयन संख्या..... दिनांक :-.....

Kuldeep Jain
सम्पदा अधिकारी

निविदादाता के हस्ताक्षर



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Issued to Contractor

कार्य का नाम :- विश्वविद्यालय परिसर में शोध के लिए हॉल का निर्माण कार्य।

Cost of Tender Form :- Rs. 1000/-

Earnest Money :-Rs. 54.000/-

Date of Receipt :- 21-06-2017 upto 01.00 PM

Date of Opening :- 21-06-2017 at 03.30 PM

Time period for Completion of work:- Six Month

'G' SCHEDULE

(B.S.R ITEMS RATES BASED ON PWD BSR 2013)					
SR. NO.	DESCRIPTION	Qty.	UNIT	RATE	AMOUNT
1	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 taking out the excavated soil and depositing and refilling of jhiri with watering & ramming and disposal of surplus excavated soil as directed with in a lead of 50 meter. All kind of soils	164.87	Cum	153	25225.11
2	Providing and laying in position cement concrete including curing compaction etc. of specified grade excluding thwe cost of centering and shuttering—all up to 1:4:8 (1 cement : 4 Coarse sand : 8 graded stone aggregate 40 mm nomical size)	49.42	Cum	2761	136448.62
3	Filling available excavated earth (excluding rock) in trenches, plinth side of foundation etc. in layers not exceeding 20cm in depth, consliding each deposited layer by ramming and watering including lead upto 50Mtr. And left upto 1.5Mtr	171.03	Cum	68	11630.04
4	Brick work with F.P.S. Bricks of class designation 100 in foundation and plinth in : Cement mortar 1:6 (1-cement : 6-coarse sand)	73.67	Cum	3756	276704.52
5	Brick work with F.P.S. Bricks of class designation 100 in superstructure above plinth level upto floor V level in all shapes and sizes in : Cement Mortar 1 : 8 (1 – cement : 8 - coarse sand)	85.73	Cum	4214	361266.22
6	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement : 3 coarse sand) and making good the joints and cost of plasticizer (if required) excluding the cost of centering, shuttering and reinforcement for Walls (any thickness) including attached	9.80	Cum	4168	40846.4



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	pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, post and struts etc. M 20 grade Nominal Mix/Design Mix				
7	Providing and laying in position specified grade of cement concrete for RCC structural elements upto floor five level including curing, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement : 3 coarse sand) and making good the joints and cost of plasticizer (if required) excluding the cost of centering, shuttering and reinforcement for Beams, suspended floors, roofs, griders having slops upto 15., landings, balconies, shelves, chajjas, lintels, bandss, plain windows sills, staircases and spiral staircases etc. M 20 grade Nominal Mix/Design Mix	39.37	Cum	4523	178070.51
8	Providing and laying in position specified grade of cement concrete for all RCC structural elements upto plinth level including curring, compaction, finishing with rendering in cement sand mortar 1:3 (1 cement : 3 coarse sand) and making good the joints and cost plasticizer (if required) excluding the cost of centering, shuttering and reinforcement. M 20 grade Nominal Mix/Design Mix	30.20	Cum	4053	122400.6
9	Providing and fabricatin reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding (including cost of bindign wire) all complete upto floor five level: Cold twisted deformed bars (IS : 1786)	6000.00	Kg	61	366000
10	Centering and shuttering with plywood or steel sheets including strutting, propping bracing both ways and removal of formwork for foundation, footings, strap beam, raft, bases of columns etc.	55.55	Sqm	125	6943.75
11	Centering & shuttering with plywood or steel sheets including shrutting, propping bracing both ways with steel props and removal for formwork for utp floor five level for: Suspended floors, roofs, landings, staircases, balconies, girders, cantilevers, bands, coping bed plates, anchor, blocks, sills, chajjas lintel, beam etc.	232.34	Sqm	269	62499.46
12	Providing and laying lime terrace of lime concrete (40:100) with kankar in lime moratr 1:2 on roofs of ground floor including mixing hemp methi etc. finished smooth polished surface complete (Bikaner Practice) including batta (gola) 75mmX75mm sandla for thickness. 100 Mm Average	147.90	Sqm	374	55314.6
13	Precast terrazzoo tiles fo approved make,	147.90	Sqm	521	77055.9



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	20mm thick with marble chips of size upto 6 mm laid in floors, and landing, jointed with neat cement slurry mixed with pigment to match the shade of the tiles, including rubbing and polishing complete on 20 thick bed of cement sand mortar 1 : 4. Dark shade using ordinary cement				
14	Providing and fixing T-iron frames for doors, windows and ventilators of mild steel Tee-sections, joints mitred and welded with 15X3 mm lugs 10 Cm. long embedded in cement concrete blocks (15X10X10) Cm. of 1:2:4 (1-cement:2-coarse sand:4graded stone aggregate 20mm nominal size) or with wooden plugs and screws or rawl plugs and screws or with fixing clips or with bolts and nuts as required including fixing of necessary butt hinges and screws and pplying a priming coat of approved steel primer	65.00	Kg	88	5720
15	Providing and fixing square bars or other flat welded to window, ventilators etc	115.00	Kg	76	8740
16	Construction of soakage well in all types of soil of approved drawing, top 1.5 Mtr. Depth in 345 mm thick brick masonry with CM 1:6, 80mm thick stone slab covering resting on stone lintel of cross section 150 X 300 mm (two numbers resting on stone bed plate), jointing of slab in CM 1 : 3, Ralthal Kharanja 40 mm thick m-15 grade C.C. flooring, out side plaster in CM 1:6 upto 450 mm depth, earth work etc complete including providing and fixing of PVC Vent pipe 75 mm dia upto 1.50 Mtr. height as per direction of Enginner in Charge including making connection etc. 3 Mtr. outer dia in top 1.50 m depth and 90 CM dia at bottom. Depth of soakage well 10 to 12 Mtr. from ground level.	1.00	Each	27205	27205
17	Providing and Fixing steel glazed window frame made out of 80X40 mm hollow sheet section of 16 guage thickness, joint mitred welded and grinded including hold fast of steel lugs 13mm X 3mm and 15 Cm. Long embedded in C.C. Block 15X10X10 Cm. of 1:2:4 (1-Cement:2-Coarse sand:4-Graded stone aggregate 20mm nominal size) and including fixing of pivoted hinges of 55X20mm hollo steel section 15mm paitam of 18 guage thickness, joint mitred and grinded includng 10mm X 10mm square bars welded to frame for paitam and metal sash putty and fixing of shutters frames peg stay, U Shape handle 100 mm long, tower bolts 100mm long	18.58	Sqm	6200	115196



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	of steel power coated superior quality including fixing and jointing with frame hinges priming coat with steel primer complete in all respect as per direction Engineer-in-Charge. Window openable.				
18	Plaster on new surface on walls in cement sand mortar 1:6 including racking of joints etc. complete fine finished : 20 mm thick	760.22	Sqm	160	121635.2
19	Providing and laying vetrified 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 Size of Tile 60x60 cm	128.25	Sqm	1126	144409.5
20	Providing and fixing, flush door shutters non decorative type (hollow core construction) with internal frame of Ist grade wood having styles and top rails of 100mm width & bottom and lock rails of 150mm width with 3 Nos. cross battens of 500 thick width using 4 mm thick commercial ply on both faces of shutters & 6 mm thick beading of respective wood using with approved steel fitting as epr Annexure 'A' : 30 mm thick	7.80	Sqm	2610	20358
21	Distempering with oil bound washable distemper of approved brand and manufacture to give an even shade including all scaffolding : new work (two or more coats) over and including scrapping and priming coat with cement primer	496.00	Sqm	60	29760
22	supply & fixing of stainless steel pipe railing for ramp railing height, 90 cm. with 40 mm dia stainless steel pipe with 18 gauge with drop (vertical post at 90 cm. C/c and intermediate horizontal pipe with suitable height of same size and gauge with coupling, grinding and polishing & fix of master pieces as per required point as per approved design of Engineer incharge.)	8.45	Sqm	1187	10030.15
23	Providing and fixing Granite Stone slab mirror polished and machine edge cut in Walls, Pillars, Steps, Shelves, Sills, Counters, Floors etc. Laid on 12mm (Av) thick base of cement mortar 1:3 jointing with white cement mortar 1:2 (1 white cement : 2 marble dust) with pigment to match the shade of the marble slab complete including grinding, rubbing and polishing of : South (Red Colour - 1501 Cm2 to 3600 Cm2 Titles)	29.91	Sqm	2965	88683.15



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24	Providing and fixing Ist 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 @ 3.3 kg per sqm including pointing in white mixed with pigment of matching shade complete.	32.52	Sqm	527	17138.04
25	Providing and laying Ceramic MAT floor tiles (thickness to be specified by the manufacturer) of Ist quality conforming to IS : 15622 of approved make in colours such as White, Ivory, Grey, Fume Red Brown of nay size, laid on 20 mm thick bed of cement mortar 1:4 (1Cement : 4 Coarse sand) including pointing in white cement mixed with pigment of matching shade complete.	10.00	Sqm	596	5960
26	Finishing wall with arcyllic smooth exterior paint of required shade including all scoffloding New Work (two or more coat) appliede @ 1.67 liter/10 Sqm over and including base coat of water profing cement paint applied @ 2.20 Kg/10Sqm.	325.00	Sqm	55	17875
27	Providing and applying white cement based putty over plastered surface to prepare the surface even and smooth complete	760.22	Sqm	111	84384.42
28	With ready Mix pink or grey primer of approved brand and manufacture on wood work hard and soft wood.	42.43	Sqm	22	933.46
29	Pinting with synthetic enamel paint of approved rand and manufacture to give even shade (two or more coat)	42.43	Sqm	49	2079.07
30	Excavating trenches of required width for pipe cables, etc. including excavation for sockets and dressing of sides, ramming of bottoms, depth upto 1.5 Mtr. Including taking out the excavated soil, and then returning the soil as required in layers not exceeding 20 cm. In depth including consolidatingeach deposited layer by ramming watering etc. and disposing of surplus excavated soil ad directed within a lead of 50 Mtr. pipes cables etc. not exceeding 90 mm dia	100.00	mtr	63	6300
31	Poroviding, laying & jointing of uPVC pipes with rubber ring joints in assorted length with uPVC specials etc and interconnection with existing/new pipeline as per specification, including preparation of bed properly, carting	100.00	mtr	121	12100



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	to site with all lead, cutting of pipes, Sectional testing of pipe line as per BIS specification, submitting completion drawin as per specifications (Excluding earth work) 75 mm Class 4				
32	P & F European type white glazed vitreous chin Ist quality Double Symphonic W.C. (IS:2556 Mark) with P or S trap including cutting and making good the wall and floor.	1.00	Each	8504	8504
33	Providing & fixing anodizing aluminum work (anodizing to be got done from approved Anodizer) for doors, windows, ventilators and partition with extruded built up standard tabular and oterh sections of approved make confirming to IS : 733 and Is 1285 anodised transparent 81 dyed to required shade according to IS 1868 (minimum anodic coating of grade AC 15), fixed with rawl plugs and screws or with fixing clips or with required PVC/neoprene felt etc. Aluminium section shall be smooth, rust free, straight, mitred and jointed mechanically whereve required including cleat angle aluminum snap beading for glazing/paneling, C.P. Brass/stainless steel screws, Al. tower bolt & al. handle & al aldrops etc. all complete as per architentural drawing and the directions oef Engineer-in-charge, (glazing and peneling to be paid for separately). Anodised aluminum :- Anodised transparent 81 dyed to required shade according to IS : 1868). (Minimum anodic coating grade AC 15, anodizing to be got done from approved Anodizer	15.80	Kg	362	5719.60
34	For shutters of doors, windows & ventilators incl. providing and fixing hinges/rollers etc. and making provision for fixing of fittings wherever reqd. (lockes shall be paid for separately.) Anodised aluminum (anodised transparent 81 dyed to required shade according to IS : 1868 (Minimum anodic coating of grade AC 15, Anodizing to be got done from approved Anodizer))	15.12	Kg	374	5654.88
35	Providing and fixing glazing in aluminium door, window, ventilator shutters and partitions etc. with PVS/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 glass panes of 4.0mm thickness (weight not less than 10.0 Kg;/Sqm) as per IS : 2835	3.99	Sqm	681	2717.19



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36	P&F double action hydraulic floor spring of approved brand and manufacture to aluminium door shutter confirming to IS : 6315 incl. cost of cutting floors as reqd. embedding in floor and cover plate etc. complete as per direction of Engineer-in-charge	2.00	Each	1440	2880.00
37	Providing and fixing brass lock without handle for aluminium door, or approved quality, make & design as directed by engineer in charge	1.00	Each	240	240.00
38	P & F WVC wash basin (1st quality IS:2556 mark) of approved make with C.I. brackets duly painted 1 No. 15 mm C.P. Pillar cock (IS:8934 mark) 32 mm C.P. brass waste coupling of approved make 25 mm G.I. Waste pipe complete including cutting & Making good the Wall: Size 580mmX450mm	1	Each	2308	2308
39	Providing and fixing G.I. pipes complete with G.I. fittings and clamps (IS 1239 mark), including cutting and making good the walls etc. Internal work:-Medium Duty Pipes (a) Exposed on wall				0
40	15 mm dia nominal bore	40	mtr	154	6160
41	25 mm dia nominal bore	30	mtr	252	7560
42	(B) Concealed pipe in wall incl. with anticorrosive bitumen paint.				0
43	15 mm dia nominal bore	30	mtr	166	4980
44	Providing and fixing G.I. pipes complete with G.I. fittings (IS 1239 mark) including trenching and refilling etc. (external work): Medium Duty Pipes				0
45	15 mm dia nominal bore	70	mtr	149	10430
46	P & F Bib Cock (IS:8931 Mark) Superior quality of approved make				0
47	Brass 400 gm. 15 mm nominal bore.	5	each	193	965
48	P & F Inlet Connection (Angle Valves) superior quality of approved make, for wash basin, Gyser etc. C.P. Inlet connection 15 mm Brass (IS:8931 marked)	5	Each	553	2765
49	Construction of manhole in all type of soil inner size 90X60 cm 300/345 mm thick masonry in CM 1:6, 10 cm. thick cement concrete 1:5 10 in foundation, 20 mm thick inside plaster in CM 1:6, finished with floating neat cement, 500 mm thick M-15 grade C.C. Flooring, making channels, 80 mm thick stone slab covering with 40mm thick M-15 grade C.C. Flooring, 25 Kg. CI cover with frame of 40 mm dia, earthwork etc. complete as per design including disposal of surplus earth within 50 mtr. lead. depth upto 0.5 mtr	5	Each	4063	20315



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50	Providing and fixing unplasticized Poly Vinyl chloride (UPVC) SQR Pipes for sciland waste discharge system (IS:13592:1992 Marked) of approved quality/make. Type B - 110 mm dia	80	mtr	267	21360
51	Providing and fixing unplasticized Poly Vinyl chloride (UPVC) SQR Pipes for sciland waste discharge system (IS:13592:1992 Marked) of approved quality/make. Bend 45 DG.				0
52	110 mm dia	18	each	104	1872
53	Nahni Trap with Jali 4" 110 mm dia	8	each	130	1040
54	P/F PVC storage Tank (IS : 12701) Marked indicating the BIS License No), of approved quality make with cover, 25 mm dia 1 M Long G.I. over flow pipe & 25 cm. long wash out pipe with plug & socket, including placing on terrace (at all floors), making connection etc., complete approved design.	1500	Litre	6.6	9900
55	P & F low level flushing cistern of 10 litres capacity (IS:2556 mark) of approved make with complete fittings C.I. brackets duly painted, brass b all cock with ball (IS:1703 mark) complete including cutting and making good the wall : PVC with PVC bend as per IS:7231, commander make or equivalent	1	Each	1571	1571
56	P & F Ist quality WVC Urinal (IS:2556 mark) with 25 mm dia G.I. waste pipe, dome couplings, concealed iron brackets or screws etc. complete. Flat Back (small) size 456x355x265 mm	1	Each	1241	1241
57	Wiring of light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked MMS (IS:9537 P - III) PVC conduit & it's accessories, round tiles,18 SWG M.S. box with earth terminal, screwless cage connectors for neutral looping in switch board & false ceiling point, 6 A switch, 3.0 mm thick ISI marked phenolic laminated sheet, zinc plated / brass screws, cup washers, making connections, testing etc. as required.				0
58	Short point (up to 3 mtr.)	15	P. Point	199.13	2986.875
59	Medium point (up to 6 mtr.)	10	P. Point	312.75	3127.5
60	Long point (up to 10 mtr..)	5	P. Point	438.75	2193.75
61	Wiring of twin control light / fan / call bell point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm				0



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	nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked MMS (IS:9537 P - III) PVC conduit & it's accessories, round tles,18 SWG M.S. box with earth terminal, screwless cage connectors for neutral looping in switch board & false ceiling point, 6 A two way switch, 3.0 mm thick ISI marked phenolic laminated sheet, zinc plated / brass screws, cup washers, making connections, testing etc. as required.				
62	Long point (up to 10 mtr..)	1	P. point	439.875	439.875
63	Wiring of 3 pin 5 amp. Light plug point with 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper conductor 1.1 kV grade and 1.5 sq. mm nominal size FR PVC insulated unsheathed flexible copper earth conductor 1.1 kV grade (IS:694) of approved make in surface / recessed ISI marked MMS (IS:9537 P - III) PVC conduit & it's accessories, 18 SWG 175 mm x 100 mm x 60 mm M.S. box with earth terminal, screwless cage connectors for neutral looping in switch board , 6 A switch, 6 A socket, 3.0 mm thick ISI marked phenolic laminated sheet, zinc plated / brass screws, cup washers, making connections, testing etc. as required.				0
64	On board	6	P. point	84.375	506.25
65	S&F following sizes (dia.) of ISI marked medium duty PVC conduit along with accessories in surface / recessed using saddles, clamps, fastener as required including cutting the wall, covering conduit with Wire mesh and making good the same as required.				0
66	20 mm	40	R. mtr.	30.375	1215
67	25 mm	60	R. mtr.	39.375	2362.5
68	Supplying and drawing FR PVC insulated & unsheathed flexible copper conductor ISI marked (IS:694) of 1.1 kV grade and approved make in existing surface or recessed conduit/casing capping including making connections etc. as required.				0
69	2 x 2.5 sq. mm. + 1x1.5sqmm	166.3	Mtr	48.0375	7988.63625
70	2 x 4.0 sq. mm. + 1 x 2.5 sq. mm.	118.3	Mtr	69.75	8251.425
71	Supplying and fixing of power plug point accessories on 18 SWG metal box of size 175 x 100 x 60 mm. on surface or in recessed with suitable size phenolic laminated sheet cover including cost of 6 pin 16 amp. Switch and socket outlet, making connection , testing , etc. as required.	14	Each	213.75	2992.5



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72	P&F 240/415 V AC MCB with positive isolation of breaking capacity not less than 10 KA (B/ C/ D tripping characteristic) ISI marked IS 8828(1996)]/ conforming to IEC 60898 in existing board/sheets including making connections with lugs, testing etc. as required.				0
73	6 A to 32 A rating	8	Each	151	1208
74	40 A 63 A rating	2	Each	1378	2756
75	P&F Recessed/ Surface mounting heavy duty horizontal type sheet steel Distribution board phophatised/ powder painted complete with suitable rating insulated copper bus bar, shorting link , neutral link, earth link and din bar,masking sheet, conforming to IS13032 & IS8623 including making internal DB terminations with copper lugs , testing etc. as required. Double door (Three phase) 6 Way	1	Each	2070	2070
76	P & F IS:371 marked 6 amp surface type ceiling rose including making connection testing etc. as required.	8	Each	18	144
77	P & F ISI marked 6 amp bakelite batten/angle holder including making connection testing etc. as required.	4	Each	20	80
78	P & F ISI marked socket size flush type 120/280 watt rotary 5 step fan regulator including making connection testing etc. as required.	5	Each	210	1050
79	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand,Ind class bricks covering, refilling earth,compaction of earth, making necessary connection, testing etc. as required of size.(unarmoured) 10 sq. MM	150	mtr	129.375	19406.25
80	S & Laying following size earth wire/strip in horizontal or vertical run in ground/surface/recess including riveting, soldering, saddles, making connection etc. as required. 8 SWG G.I. (Hot Dipped) Wire	10	mtr	72	720
81	P & F 18 swg M.S. Recessed fan box, hexagonal/ round of size 130 mm dia, depth 75mm, 12 mm dia rod fan hook with 100 mm length extended on each side .	8	Each	84.375	675
82	P & F Star rated double ball bearing capacitor start, aluminium body & blade ceiling fan with down rod up to 30 cm with 3 x 1.5 sq.mm pvc insulated flexible copper conductor making connection testing etc. as	7	Each	1895.625	13269.375



महाराजा गंगा सिंह विश्वविद्यालय

राष्ट्रीय राजमार्ग सं. 15, जैसलमेर रोड, बीकानेर (राजस्थान) भारत

	required. 1200 mm sweep 5 Star rated				
83	P&F of Double ball bearing, capacitor start single phase metallic blade fresh air fan, in existing opening including cost of hardware , flexible copper conductor ,making connections, testing etc. as required. 300 mm sweep	1	Each	1856.25	1856.25
84	P & F of ventilating fans, Capacitor start, single phase with PVC impeller, ABS body, automatic openable louver shutter in existing opening including making connection, testing etc. as required. 250 mm sweep	1	Each	1545.75	1545.75
85	P & F box type fluorescent tube fitting fabricated from CRCA sheet and finished with powder coating / stove enamelled paint complete with accessories (Low Loss Copper Choke, starter, starter seat) / Electronic Choke with terminal block duly prewired with copper conductor including making connection, testing etc. as required. (without tube) 1 X 28 Watts with EB	6	Each	911.25	5467.5
86	P & F Fluorscent tube rod in existing fixtures as required, minimum 3 STAR rating T5 lamps 28 Watts	6	Each	157.5	945
87	P & F of surface/ recess mounting CFL luminaire made from powder coated CRCA sheet with aluminium reflector assembly electrochemically brightened and anodized cross louvers, complete with accessories copper ballast, starter, holder, terminal block duly prewired with copper conductor including making connections, testing etc. as required (without lamp) Surface mounting 2 X PL-9/11 Watt	10	Each	1293.75	12937.5
88	P & F two pin energy efficient compact fluorscent lamp in existing holder/fixture as required. 11 watt	20	Each	112.5	2250
89	P & F IP-65 protected street light luminaire on existing bracket suitable for HPSV/ MH LAMP, made from powder coated single piece pressure die cast aluminium housing, electrochemically brightened and anodized POT optics aluminium reflector, heat resistant and toughened glass cover and accessories like copper ballast, electronic ignitor, capacitor, holder prewired up to terminal block etc. as required including making connection testing etc. as required (without lamp) Street Light Suitable for HPSV Lamps 1 X 150 Watt	5	Each	5250	26250



महाराजा गंगा सिंह विश्वविद्यालय

राष्ट्रीय राजमार्ग सं. 15, जैसलमेर रोड, बीकानेर (राजस्थान) भारत

90	P & F Normal / High Output High pressure sodium vapour/ Metal halide / Halogen lamp as required. HPSV Tubular lamp Normal Output 150 Watt 15000 Lumens	5	Each	465	2325
91	S & Laying following size 'B' class G.I. Pipe confirming to IS : 1239 P - 1 (1990) with accessories for laying earth conductor/strip / cable in ground/surface/ recess as required 32 mm dia.	7.5	mtr	234	1755
92	P/Laying P.V.C. / XLPE insulated & P.V.C. sheathed cable of 1.1 KV grade with aluminium conductor of IS:1554 P-I / IS :7098 P - I of Group 1 of approved make in ground as per IS:1255 including excavation of 30cmx75cm size trench, 25 cm thick under layer of sand, IIInd class bricks covering, refilling earth, compaction of earth, making necessary connection, testing etc. as required of size. 6 sq. MM 2 Core	80	Sqm	83	6640
93	Plate earthing as per IS:3043 with copper Earth plate of size 600mm x 600mm x 3.0mm by embodying 3 to 4 mtr. Below the ground level with 25 mm dia. G.I. 'B' class watering pipe including all accessories like nut, bolts, reducer, nipple, wire meshed funnel and c.c. finished chamber covered with alternate layers of salt and coke/charcoal, testing of earth resistance as required.	1	Set	7180	7180
Total					2699690.33

Note- Please quote rates in BOQ online only.


Estate Officer

Signature of the contractor



महाराजा गंगा सिंह विश्वविद्यालय

राष्ट्रीय राजमार्ग सं. 15, जैसलमेर रोड, बीकानेर (राजस्थान) भारत

-: GENERAL CONDITION OF CONTRACT:-

1. All works, proposed for execution by contract, will be notified in a form of invitation to tender pasted on public places and on a board hung up in the office of the Estate officer, MGS University, Bikaner.
2. The form of invitation to tender will state the work to be carried out, as well as the date of submitting and opening of tenders and the time allowed for carrying out the work, also the amount of Earnest Money to be deposited with the tender and the percentage, if any, to drawings and estimated rates/scheduled rates and any other documents required in connection with the work shall be open for inspection by the contractor at the officer of the Estate officer, MGS University, Bikaner.
In the event of the Tender being submitted by a firm, it must be signed separately by each partner, thereof, or in the event of the absence of any partner, it must be signed on his behalf, by a person holding a power of attorney, authorizing him to do so. Such power of attorney will be submitted with the tender and it must disclose that the firm is duly registered under the Indian Partnership Act, by submitting the copy of registration certificate.
3. As regards Earnest Money the contractor shall submit Bank Draft in favour the Comptroller of Maharaja Ganga Singh University, Bikaner.
4. Receipts for payments, made on account of a work when executed, by a firm must also be signed by the several partners, except where the contractors are described in their tender as a firm, in which case the receipts must be signed in the name of the firm by on the partners or by some other person having authority to give effectual receipts for firm.
5. Any person, who submits percentage rate tender, shall fill up the usual printed form stating at how much percent above or below the rates specified in Schedule-G, he is willing to undertake the work.
Only one rate of percentage, more or less, on all the estimated rates/scheduled rates shall be mentioned. Tenders, which propose any alteration in the work, specified in the said form of invitation to tender, or in the time allowed for carrying out the work, or which contain any other conditions of any sort, will be liable to rejection. No single tender shall include more than one work, but contractors, who wish to tender for two or more works, shall submit a separate tender for each work. Tenders shall have the name and number of work, to which they refer written outside the envelope.
6. The committee committed for opening sealed envelopes of tender receipt & form will be open the tenders in the presence of any contractor (s) or their authorized representatives who may be present at the time, and will announce and enter the rates/amounts of all tenders in the Register of Opening of Tenders. In the event of the tender being accepted, a receipt for Earnest Money deposited shall be given to the contractor, who shall sign copies of the specifications and other documents mentioned in Rule1. In the event of a tender being rejected, the Earnest Money forwarded with such unaccepted tenders shall be returned to the contractor making the same.
7. The Hon'ble Vice Chancellor of Maharaja Ganga Singh University, Bikaner shall have the right of rejecting all or any of the tender without assigning any reason.
8. The receipt of an Accountant, Cashier or any other official, not authorized to receive such amount, will not be considered as an acknowledgement of payment to the Managing Director or other duly authorized Engineer.
9. If it is found that the tender is not submitted in proper manner or contains too many corrections and or unreasonable rates or amounts, it would be open for the Estate Officer not be consider the tender, forfeit the amount of earnest money and/or delist the contractor.
10. The tenderer shall sign a declaration under the official Secrets Act for maintaining secrecy of the tender documents, drawings or other records connected with the work



महाराजा गंगा सिंह विश्वविद्यालय

राष्ट्रीय राजमार्ग सं. 15, जैसलमेर रोड, बीकानेर (राजस्थान) भारत

given to him in form given below. The unsuccessful tenderers shall return all the drawings given to them.

Declaration: -

“I/We hereby declare that I/we shall treat the tender documents, drawings and other records connected with the work, as secret confidential documents and shall not communicate information derived there from to any person other than a person to whom I/We am/are authorized to communicate the same or use the information in any manner prejudicial to the safety of the same.”

11. Any percentage rate tender containing item-wise rates, and any item rate tender containing percentage rate below or above estimated/scheduled rates, will be summarily rejected. However, if a tenderer voluntarily offers a rebate for payment within a stipulated period, this may be considered.
12. On acceptance of the tender, the name of the accredited representative (s) of the contractor (with a photograph and signature attested), who would be responsible for taking instructions from the Estate officer shall be communicated to the Estate officer.
13. Sales tax or any other tax on materials or Income tax in respect of the contract shall be governed by Clause 36A, B, C and D of the conditions of contract. Deduction of Income tax at source will be made as per provisions of the Income tax Act, in force from time to time.
14. The tender to work shall not be witnessed by contractor or contractors who himself/themselves has/have tendered or who may and has/have tendered for the same work. Failure to observe the secrecy of the tenders will render tenders of the contractors, tendering as well as witnessing the tender liable to summary rejection.
15. If on check, there are differences between the rate quoted by the contractor in words and figures or in the amount worked out by him, the following procedure shall be followed.
 - (i) Where there is a difference between the rates in figures and words lower of the two rates shall be taken as valid and correct rate.
 - (ii) When the rate quoted by the contractor in figures and in words tallies, but the amount is not worked out correctly, the rate quoted by the contractor shall be taken as correct and not the amount worked out.
 - (iii) While quoting rates, if rate/rates against any item or items are found to be omitted, the rate given in the schedule 'G' by the department for such items will be taken into account while preparing comparative statement and contractor shall be bound to execute such item on 'G' Schedule rates.
 - (iv) In case where percentage is given but the 'above' or 'below' not scored the tender will be non-responsive.
16. The Contractor shall comply with the provisions of the Apprenticeship Act 1961 and the rules and orders issued, there under from time to time. If he fails to do so, his failure will be a breach of the contract and the original sanctioning authority in his discretion may cancel the contract. The Contractor shall also be liable for any pecuniary liability arising on account of violations by him of the provisions of the Act.
17. The Contractor shall read the specifications and study the working drawings carefully before submitting the tender.
18. The site for execution of the work will be made available as soon as the work is awarded in case, it is not possible for the Department to make the entire site available on the award of the work, the contractor shall arrange his working programme accordingly. No claim, whatsoever, for not giving the site in full on award of the work or for giving the site gradually in parts will be tenable. The contractor may satisfy himself regarding site, acquisition of land, approach roads etc.
19. The tender documents show already the specific terms and conditions on which tenders are required by the Government. Hence, all tenders should be in strict conformity with the tender documents and should be fulfilled in, wherever necessary, and initiated.



महाराजा गंगा सिंह विश्वविद्यालय

राष्ट्रीय राजमार्ग सं. 15, जैसलमेर रोड, बीकानेर (राजस्थान) भारत

- Incomplete tenders are liable to be rejected. The terms and conditions of the tender documents are firm, as such conditional tenders are liable to be rejected.
20. The tenderer, while submitting tender, must provide adequate information regarding his financial, technical and organizational capacity and working experience to execute the work of the nature and magnitude. The tenderer firm should be registered/enlisted in appropriate category or higher as per PWF & AR. The copy of registration is to be enclosed. Un-registered contractor will not be allowed.
 21. The Estate Officer reserves the right to ask for submission of samples as in respect of materials for which the tenderer has quoted his rates before the tender can be considered for acceptance. If the tenderer, who is called upon to do so, does not submit within seven days of written order to do so, the Estate officer shall be at liberty to forfeit the said earnest money absolutely.
 22. The contractor should quote his rates only in one language i.e. either in Hindi or English. Rates should be quoted in figures as well as in words. In case a contractor has quoted rates in both the languages and the rates so quoted differ then the lower of the two shall be treated as the rate quoted by the Contractor.
 23. All additions, deletions, corrections and overwriting must be serially numbered and attested by the contractor at every page, so also by the officer opening the tenders, so as to make further disputes impossible on this score.
 24. After acceptance of the tender, the Contractor or all partners (in the case of partnership firm), will append photographs and signatures duly attested, at the time of execution of Agreement.
 25. If any contractor, who having submitted a tender does not execute the agreement or start the work or does not complete the work and the work has to be put to retendering, he shall stand debarred from participating in such retendering in addition to forfeiture of Earnest Money Security Deposit and other action under agreement.
 26. (a) If a tenderer reduces the rates voluntarily after opening of the tenders/negotiations, his offer shall stand cancelled automatically, his earnest money shall be forfeited and action for debarring him from business shall be taken as per enlistment rules.
(b) If a non-tenderer offers lower rates after opening of tenders action for debarring him from business shall be taken as per enlistment rules.
 27. Contractor shall submit unconditional tenders. Conditional tenders are liable to be rejected summarily.

Signature of the contractor

Kuldeep Jain
Estate Officer
MGSU, Bikaner



महाराजा गंगा सिंह विश्वविद्यालय

राष्ट्रीय राजमार्ग सं. 15, जैसलमेर रोड, बीकानेर (राजस्थान) भारत

-: SPECIAL CONDITON OF CONTRACT:-

1. Conditional tender is liable to be rejected.
2. The work shall be carried out in accordance with detailed PWD specification for building & as per relevant I.S. Codes.
3. All taxes are to be paid by the contractor.
4. The deduction of Income Tax, Sales Tax at source, Workers, Welfare Cess Act. 1996 & other any tax will be made from the contractor's bill as per Govt. notification amended from time to time & amended time to time.
5. The payment of final bill will be paid only after submitting the No dues certificates from Mining Deptt. by the contractor.
6. The Contractor shall follow the contract labour/ regulation and abolition / Act 1970 and rules 1971 & amended time to time.
7. The contractor shall not work after the sunset and before sunrise without specific permission of the competent Estate Officer.
8. Water suitable for Building Construction work and Electricity required shall have to be arranged by the contractor himself at his own cost.
9. All the building material should confirm to standard PWD specification,. Sanitary, Water Supply, Fitting, Paint, Electric Fittings, C.P. Fitting PVS Tank etc. should be ISI first quality and ISI marked & be got approved by Estate officer before use.
10. Proper arrangement for welfare of the workers, Insurance of the workers, safety of material against theft and fire etc. shall be the responsibility of Contractor.
11. Work Insurance is must; the contractor shall have to submit the proper insurance of the workers. In absence of insurance corporation shall got it done through the insurance agency and amount of premium shall be recovered from the contractor. The contractor shall submit labour license from labour department & shall have to registered in the PF Department before start of work.
12. The RCC work shall be executed by proper weigh batcher and concrete mixer with hopper & mortar mixing should be done by mixer.
13. There is no provision of price adjustment / escalation.
14. The Kolayat's sand having gradation as per ISI code is to be used for all types of concrete works.
15. The contractor will arrange for curing with pressure pipe and proper arrangement of Electric / Lubricant Motor Pump.
16. If there is any mistake in Nomenclature / Rate in any Item of Schedule 'G' same would be corrected as per **PWD Bikaner Circle BSR 2013** and amended till date.
17. The contractor will have get report from the Govt. Eng. College, Bikaner of checking of quality of material and to ensure the work done by him as per specification by the Estate officer.
18. The Contractor shall supply following skilled person at site field lab for checking of quality of material at all times at his own cost.
 - (a) For Testing of Material --- Testing Officer with helper
19. The Necessary test shall be got done from approved lab for which cost of test including transportation shall be born by the Contractor at his own cost & whose records shall maintained by him.
20. The contractor shall furnish his programmer of construction for execution of the work within the stipulated time of schedule and obtained the approval of the Estate Officer prior to actual commencement of work.
21. Any Material not confirming to the specification collected at site shall have to be removed by the Contractor as the instruction issued by the Estate Officer to writing, failing which, such material shall be removed by the department at risk and cost of the contractor.



महाराजा गंगा सिंह विश्वविद्यालय

राष्ट्रीय राजमार्ग सं. 15, जैसलमेर रोड, बीकानेर (राजस्थान) भारत

23. For any condition, if there is any contradiction in special condition & general condition, then special condition shall supersede the general condition.
24. Defect liability period for civil work shall be 3 year reckoned from the date of actual completion of the Building works
Generally, following defects are covered for 3 years D.L.P.
 - 1) Surface cracks on RCC work.
 - a. Cracks in masonry, walls, pillars, etc
 - b. Dampness appeared on surface of wall ceiling, floors etc.
 - c. De-laminations and unevenness of surface.
 - d. Leakage, cracks in drainage system, dampness in sunk portions.
 - e. Defects in paint work, distempering, white-wash etc. for example, unevenness in shade, peeling out, flakes on the surface etc.
 - f. Cracks, settlement, unevenness, opening of joints in floorings.
 - g. Doors, Windows and ventilators opening and closing are not smooth fitting & fixtures are not functioning smoothly.
 - h. Leakage / chocking in pipelines, taps, valves, showers, wash basin, etc. sanitary ware fittings not functioning smoothly.
 - i. External services for storm water, sewerage, rain water harvesting system not functioning properly.
 - j. In addition to the above, any defects identified by the user and / or Estate officer shall be rectified within notified period assigned by the Estate officer.
25. Repair and Replacement: The items covered under defect liability period shall be replaced and / or repaired as directed by the Estate officer.
26. Time period for repair / replacement: The Estate officer soon after defect arises shall notify to him and / or his authorized representative on phone and in writing for rectification of the defects within the prescribed period which may be in hours / days and depends on the gravity and severity of defect.
27. The work shall be maintained at their own cost for 3 years (DLP) from the date of completion of work as per the clause in the agreement. No extra payment shall be made on account or replaced / repaired of defects during defect liability period.
28. The contractor shall arrange to provide office at his own cost with Tables, Chairs, Steel Almirah, Sufficient number of display board etc. Fully furnished officer accommodation within 15 days from the date of commencement of work as per requirements / direction of the Estate officer.
29. All contractors with corporation shall require registration of works under the Building & other Construction work (Regulation of Employment & Conditions of Services) Act 1995, and extension of benefit to such workers under the Act.
30. PWD Circular No. CE/PWD/D&T/Cir./D-140 Dated 20-09-2016 will be applicable.

Signature of Tendering Contractor

Kuldeep Singh
Estate Officer



महाराजा गंगा सिंह विश्वविद्यालय

राष्ट्रीय राजमार्ग सं. 15, जैसलमेर रोड, बीकानेर (राजस्थान) भारत

OFFICE OF THE CHIEF ENGINEER, P.W.D. RAJASTHAN, JAIPUR

No. CE/PWD/D&T/Cir./D - 140

Dated 20.09.16

CIRCULAR

Sub: Additional performance security on un-balanced bids.

A Bid is to be considered un-balanced if the Bid price offered by the bidder is more than 10% lower than the cost worked out as per market rate analysis. For the purpose of determination of additional performance security, current BSR rates shall be considered as the market rates. If the BSR is not revised for the Current Financial Year then only the market rate analysis is required and it should be uploaded on site before Bid receipt date in accordance with RTPP rules.

If "X" is the scheduled / market price of the work, then additional performance security shall be equal to :-

$0.9X$ - Bid amount (Point nine multiplied by X minus Bid amount).

The additional performance security will be refundable after satisfactory completion of the work. This Order will be applicable from the date of issue both on Building as well as Road works under taken by the department. It bears approval of Govt. vide MR No.5000/M/PWD/2015 dated 19.09.2016.

(Shiv Lahari Sharma)

Chief Engineer & Addl. Secy.,
PWD Rajasthan, Jaipur

Cop. forwarded to the following for information and necessary action Please:-

1. PS to Addl. Chief Secretary, PWD Rajasthan, Jaipur.
2. PS to Secretary, PWD Rajasthan, Jaipur.
3. Chief Engineer PMGSY/NH/BJdg./QC/SS PWD Jaipur.
4. Addl. Chief Engineer PWD Zone (All)
5. Superintending Engineer PWD Circle (All)
6. Executive Engineer, PWD Dn. (All).
7. TA-LSER/Bidg./SS/QC/NH/PMGSY, PWD CE's Office Jaipur

(Shiv Lahari Sharma)

Chief Engineer & Addl. Secy.,
PWD Rajasthan, Jaipur



महाराजा गंगा सिंह विश्वविद्यालय

राष्ट्रीय राजमार्ग सं. 15, जैसलमेर रोड, बीकानेर (राजस्थान) भारत

Prevallage market Rate Analysis

कार्य का नाम :- विश्वविद्यालय परिसर में शोध के लिए हॉल का निर्माण कार्य।

Rate Analysis

Sr. No.	Particulars	As Per G Schedule	As per Rate Analysis as per market
		Amount	Amount
		2699690.33	2677648.41

As Per Market Rate

Difference Amount

2677648.41

{-} 2699690.33

-22041.92

Rate -22041.92
2699690.33 .x100= -0.816 % Below 'G' Schedule

Kuldeep Jain

Estate Officer

Maharaja Ganga Singh University,
Bikaner