

# **TENDER DOCUMENT**

**FOR**

**PROVISION OF PARKING SHEDS  
AND  
EXTENSION OF PARKING AREA  
AT  
MAIN CAMPUS  
JALANDHAR-KAPURTHALA ROAD  
KAPURTHALA**

**FINANCIAL BID**

**PART - II**

**AUGUST 2012**

**PUNJAB TECHNICAL UNIVERSITY  
JALANDHAR-KAPURTHALA HIGHWAY  
PUNJAB**

## **GUIDELINES FOR FILLING UP THE RATES**

- 1 The Bill of Quantities shall be read in conjunction with the Instructions to Tenderers, General conditions of Contract, Special Conditions of Contract, Technical Specifications and other documents forming part of the tender documents.
- 2 General directions and descriptions of work and materials are not necessarily repeated not summarized in the Bill of Quantities. References to the relevant sections of the contract documents shall be made before quoting rates in the Bill of Quantities.
- 3 The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and Verified by the Engineer and valued at the accepted rates, where applicable and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
- 4 The rates and prices tendered in the priced Bill of Quantities shall, except in so far as it is otherwise provided under the Contract include all Construction Plant, Labour, supervision, materials, transportation, erection, maintenance, insurance, profit, taxes and duties together with general risks, liabilities and obligations set out or implied in the Contract.
- 5 Rates shall be entered by the tenderers in figures and words, in terms of percentage Above/at Par/Below the priced Bill of Quantities.

## FINANCIAL BID

**Provision of parking sheds and extension of parking area at PTU's main campus at Jalandhar Kapurthala road, Kapurthala.**

### ABSTRACT OF COST

DESCRIPTION	AMOUNT
Total cost	Rs. 60,62,000.00

I/We offer the rate\* \_\_\_\_\_% ( \_\_\_\_\_%age) above/at par/below (strikeout which is not applicable) on the rates printed in the Bill of Quantities.

<b>TOTAL QUOTED COST Rs.</b>	
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\* - %Age rates to be quoted in figures and words.

**Stamp and Signature of the Tenderer**

## BILL OF QUANTITIES

Item No.	Description	Unit	Quantity	Rate	Amount
				(INR)	(INR)
1	Earth work in excavation & refilling in foundation trenches including dressing of sides ramming of bottoms lift upto 1.5m including getting out the excavated soil and disposal of surplus excavated soil within the campus for all kind of soil complete in all respect as per levels and lines in the Drawings and direction of Engineer in charge.	Cum	109.00	234.15	25,522.35
2	Providing and laying in position cement concrete 1:4:8 (1 cement: 4 coarse sand: 8 graded stone aggregate 40 mm nominal size) excluding the cost of centering and shuttering for works upto plinth level as per levels and lines in the Drawings complete in all respects as per the direction of Engineer in Charge	Cum	41.50	3,845.91	1,59,605.27
3	Centering and shuttering including strutting, propping etc. and removal of form as per levels and lines in the Drawings complete in all respects as per the direction of Engineer in Charge				
3.1	For Foundations, footings, bases of columns, etc. for mass concrete	Sqm	79.00	187.27	14,794.33
3.2	For Columns, Pillars, Piers, Abutments, Posts and Struts	Sqm	125.00	374.38	46,797.50
4	Providing and laying in position 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) grade of reinforced cement concrete excluding the cost of centering, shuttering, finishing and reinforcement for all work up to plinth level as per levels and lines in the Drawings complete in all respects as per the direction of Engineer in Charge	Cum	33.50	5,860.73	1,96,334.46
5	Reinforcement (Thermo-Mechanically Treated bars) for R.C.C work including straightening, cutting, bending, placing in position and binding including the cost of binding wire as per levels and lines in the Drawings complete in all respects as per the direction of Engineer in Charge (SAIL, TATA, RINL)	Kg	2,500.00	67.06	1,67,650.00
6	Supplying and fixing factory made cement concrete curbs size 300x450x100mm with chamfered edge fixed with 20mm thick cement mortar (1:4) over 100mm thick plain cement concrete 1:2:4 and 50mm thick 1:2:4 PCC on the side of WBM with cement pointing with 1:2 cement plaster as per levels and lines in the drawings complete in all respects as per directions of Engineer in charge.	Cum	13.95	6,462.43	90,150.90
7	Supplying and fixing factory made cement concrete channels size 300x300x100mm fixed with 40mm thick cement plaster (1:4) over base of 1st coat of bituminous surfacing with 1:2 cement sand deep pointing as per levels and lines in the Drawings complete in all respect as per directions of Engineer in Charge	Cum	4.05	6,462.43	26,172.84
8	Construction of Footpath by providing & fixing 22-25mm thick designated pattern tiles with color combination and pattern as per drawings having crushing strength 400kg per SqCm laid over 20mm thick cement of sand mortar (1:4) and grouted with white cement blended with matching pigment over the laid base of 1:2:4, 100mm thick plain cement concrete over 100mm 1:4:8 PCC with base and sub base compacted, watered, rolled with road roller after filling pot holes as per levels and lines in the Drawings and directions of Engineer in Charge	Sqm	245.00	1,884.48	4,61,697.60
9	Providing and fixing 60mm thick M40 concrete pavers with top finish with white cement (as per IS specification) and quality pigment in required shape and pattern of approved brand. Pavers to be manufactured by vitro/ hydraulic compaction machine fitted with auto solenoid valve for required compression and laid on 25 mm dry sand bed over prepared sub base as per specification, including compaction with vibratory compactor complete as per levels, lines and pattern shown in Drawing complete in all respect as per directions of Engineer in Charge. ( Sub base to be paid separately).	Sqm	910.00	1,099.27	10,00,335.70

Item No.	Description	Unit	Quantity	Rate	Amount
				(INR)	(INR)
10	Supplying, fabricating and fixing in position M.S. work for built up sections, trusses, skylights, framed work, railings, parapets, walkways, gates and all other required locations, consisting of M.S. tubes of various diameters, flats, square/circular bars, box sections, inserts, plates, lugs, bolts, angles, hinges as required in horizontal/ vertical/ diagonal members as per drawing(s). All fixing accessories, cutting, bending, welding, grinding, drilling, tapping etc.on M.S. sections including aligning in position with necessary supports and painted with a coat of zinc chromate primer and finished with 'Duco' or equivalent paint of required shade as per specifications.	Kg	19,450.00	88.40	17,19,380.00
11	Providing and fixing M.S. round holding down bolts with nuts and washer plates complete	Kg	606.00	81.74	49,534.44
12	Supply, erection & fixing in position skylights/ canopy fabricated out of 8mm thick 'Polygala' or approved equivalent multiwall polycarbonate (clear/ brown/ grey/green etc) structured sheets fixed to MS frame with 50 micron powder coated aluminium profiles (top & bottom) in approved colour with EPDM gaskets, necessary hardware like stainless steel screws etc. silicon sealants etc complete, to ensure a water tight structure, as shown in Drawings and direction of Engineer in Charge. MS frame work shall be paid separately.	Sqm	955.00	1,456.00	13,90,480.00
13	Painting with synthetic enamel paint of approved brand and manufacture (ICI/ Nerolac or equivalent) of required colour in pattern 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 as per levels and lines in the Drawings complete in all respects as per directions to Engineer in Charge	Sqm	62.00	80.56	4,994.72
14	Preparation and consolidation of sub grade with power road roller of 8 to 12 tonne capacity after excavating earth to an average of 45 cm. depth, dressing to camber and consolidating with road roller including optimum moisture conditions to give at least 95 % of the maximum dry density ( modified proctor density), making good the undulations etc. and re-rolling the sub grade and disposal of surplus earth lead with in the compound	Sqm	1,038.00	109.93	1,14,107.34
15	Supplying and stacking at site				
15.1	90 mm to 45 mm size stone aggregate (For subbase of 150mm)	Cum	117.00	1,165.70	1,36,386.90
15.2	63 mm to 45 mm size stone aggregate (For base I - 75mm)	Cum	58.00	1,206.77	69,992.66
15.3	53 mm to 22.4 mm size stone aggregate (For base II - 75mm)	Cum	58.00	1,272.89	73,827.62
15.4	Stone screening 13.2 mm nominal size (Type A)	Cum	62.00	1,401.19	86,873.78
15.5	Stone screening 11.2 mm nominal size (Type B)	Cum	62.00	1,538.05	95,359.10
15.6	Moorum	Cum	16.00	662.47	10,599.52
16	Laying spreading and compacting stone aggregate of specified sizes to WBM specifications including spreading in uniform thickness, hand picking , rolling with 3 wheeled road / vibratory roller 8-10 tonne in stages to proper grade and camber, applying and brooming requisite type of screening / binding material to fill up interstices of coarse aggregate watering and compacting to the required density.	Cum	336.00	302.38	1,01,599.68
17	Painting runway/taxi track/apron marking with adequate no. of coats to give uniform finish with road marking paint of superior make like Goodlas, Nerolac brand No. - 452/002 or equivalent as approved by the Engineer-in-charge i/c cleaning the surface of all dirt, scales, oil, grease and other foreign material etc. and lining out complete on New work (Two or more coats)	Sqm	15.50	110.16	1,707.48
18	Dismantling and restoring dressed curb stone work, pavers block, pavement tiles work manually/ by mechanical means including stacking of serviceable and disposal of unserviceable material within the compound as per levels and lines in the Drawings and direction of Engineer-in-charge	Sqm	290.00	62.40	18,096.00
<b>Grand Total</b>					<b>60,62,000.00</b>