

कोलकाता पत्तन न्यास
Kolkata Port Trust
सिविल इंजीनियरिंग विभाग
CIVIL ENGINEERING DEPARTMENT
15, स्ट्रैंड रोड, कोलकाता -7,00,001
15, Strand Road, Kolkata – 700001

NIT No.: KOPT/KDS/CIV/T/1922/35 dt.06.12.13

NOTE: Last Date of Purchase of tender documents :06.01.14(up to 12 noon)

**Tender is due for submission by 3:00 P.M.
On .07.01.14**

PRICE BID

Thorough repairs including plumbing, sanitary and painting to inside of Class-III & Class-IV New Howrah Bridge Quarters (N.H.B.Q) of Kolkata Port Trust.

Dated :
15, Strand Road,
Kolkata- 700 001

ए .के.मेहेरा / A.K. Mehera
मुख्य अभियंता / Chief Engineer

कोलकाता पत्तन न्यास
Kolkata Port Trust
सिविल इंजीनियरिंग विभाग
CIVIL ENGINEERING DEPARTMENT
PREAMBLE TO THE BILL OF QUANTITIES

Thorough repairs including plumbing, sanitary and painting to inside of Class-III & Class-IV New Howrah Bridge Quarters (N.H.B.Q) of Kolkata Port Trust.

1. The Bill of Quantities shall be read in conjunction with Special Conditions of Contract, Preamble to the Bill of Quantities, General Conditions of Contract, Form of Tender and the Agreement.
2. General direction and description of work or materials given elsewhere in the contract documents are not necessarily repeated in the description of items in the Bill of Quantities.
3. The Prices and rates entered by the Contractor in the Bill of Quantities shall be deemed to cover the complete and finished work, inter-alia, all costs and expenses which may be required for successful completion of the works together with all risks, liabilities, contingencies, insurance, octroi, royalties, taxes (excluding service tax) and obligations imposed or implied by the Contractor.
4. Where separate items such as mobilisation, demobilisation, temporary works etc., have not been provided in the Bill of Quantities for works required under the Contract, then the **cost of such works shall be** deemed to have been included in the prices and rates of other items.
5. Without affecting the generality of the foregoing provisions, the Prices and rates entered in the Bill of Quantities by the Contractor shall include inter-alia, all costs and expenses involved in or arising out of the followings:-
 - a) The provision, storage, transport, handling, use, distribution and maintenance of all materials, plants, equipment machineries and tools including all costs, charges dues demurrages or other outlays involved in the transportation.
 - b) The provision and maintenance of all his staff and labours and their payments, accommodation, transport, taxes and other requirements.
 - c) Setting out including the location and preservation of survey markers, measurement and supervision.
 - d) The provision, storage, transport, use handling, distribution and maintenance of consumable stores, fuel, water and electricity.
 - e) All First Aid, Welfare and safety requirements.
 - f) Damage caused to the works, plants, materials and consumable stores caused by weather.
 - g) Licence, fees and other charges for compliance of Government Acts and Rules that are in force and applicable.
6. The quantities given in the Bill of Quantities are estimated only and are given to provide a basis for comparison of tenders. Payment to the Contractor shall be made on the basis of prices and rates quoted in the tender for measured quantities of the work done by him. It must be clearly understood that **this is a quoted rate tender at percentage Above par/At par/Below par as the case may be on estimated amount** and not a lump sum one. The quantities of work required to be carried out by the Contractor may vary.
7. The Contractor should be held responsible for the safe custody of materials, Machineries etc. at site procured by him or issued to him by the Trustees.

कोलकाता पोर्ट ट्रस्ट
Kolkata Port Trust
सिविल इंजीनियरिंग विभाग
CIVIL ENGINEERING DEPARTMENT

Thorough repairs including plumbing, sanitary and painting to inside of Class-III & Class-IV New Howrah Bridge Quarters (N.H.B.Q) of Kolkata Port Trust.

BILL OF QUANTITIES

T.I. No.	Description of works	Quantity	Rate		Unit	Amount	
			Rs.	P.		Rs.	P.
1.	Removal of rubbish,earth etc. from the working site and disposal of the same beyond the compound, in conformity with the Municipal / Corporation Rules for such disposal, loading into truck and cleaning the site in all respect as per direction of Engineer in charge.	35.00 Cum.	143.99		Per Cum. (Rupees one hundred fortythree and paise ninety-nine only)	5,039.65	
2.	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m.						
	(i) In ground floor	1.00 Cum.	276.64		Per Cum. (Rupees two hundred seventysix and paise sixtyfour only)	276.64	
	(ii) In first floor	1.00 Cum.	306.64		Per Cum. (Rupees three hundred six and paise sixtyfour only)	306.64	
	(iii) In second floor	1.00 Cum.	336.64		Per Cum. (Rupees three hundred thirtysix and paise sixtyfour only)	336.64	
3.	(i) Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed within a lead of 75 m -In ground floor including roof.	1.00 Cum.	582.16		Per Cum. (Rupees five hundred eightytwo and paise sixteen only)	582.16	
	(ii) --do--do-- In first floor.	1.00 Cum.	612.16		Per Cum. (Rupees six hundred twelve and paise sixteen only)	612.16	
	(iii) --do--do-- In second floor.	1.00 Cum.	642.16		Per Cum. (Rupees six hundred fortytwo and paise sixteen only)	642.16	

T.I. No.	Description of works	Quantity	Rate	Unit	Amount
			Rs. P.		Rs. P.
4.	(i) 125 mm. thick brick work with 1st class bricks in cement mortar (1:4) in ground floor using approved H.B netting in every third layer in 29 & 30 above in any floor.	1.00 Sqm.	714.72 Per Sqm. (Rupees seven hundred fourteen and paise seventytwo only)		714.72
	(ii) --do--do-- In first floor.	1.00 Sqm.	721.86 Per Sqm. (Rupees seven hundred twentyone and paise eightysix only)		721.86
	(iii) --do--do-- In second floor.	1.00 Sqm.	729.00 Per Sqm. (Rupees seven hundred twentynine only)		729.00
5.	Stripping off worn out plaster and raking out joints of walls, celings etc. upto any height and in any floor including removing rubbish within a lead of 75m as directed.	1,950.00 Sqm.	11.60 Per Sqm. (Rupees eleven and paise sixty only)		22,620.00
6.	Repairing crack in wall by cement grouting (1 : 2) including widening the crack on the surface (into V section) cleaning and packing the same with cement mortar (1 : 2) and finishing off to match with adjacent surface.(cement-69 Kg/100 m)	50.00 Mtr.	1,099.89 Per 100 Mtr. (Rupees one thousand ninety-nine and paise eightynine only)		549.95
7.	(i) Ordinary Cement concrete (mix 1:2:4) with graded stone chips (20 mm nominal size) of Pakur variety excluding shuttering and reinforcement,if any, in ground floor as per relevant IS codes.	0.50 Cum.	5,001.28 Per Cum. (Rupees five thousand one and paise twentyeight only)		2,500.64
	(ii) --do--do-- In first floor.	0.50 Cum.	5,060.16 Per Cu. (Rupees five thousand sixty and paise sixteen only)		2,530.08
	(iii) --do--do-- In second floor.	0.50 Cum.	5,119.04 Per Cum. (Rupees five thousand one hundred nineteen and paise four only)		2,559.52
8.	(i) Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction.a) with Torr steel For works in foundation, basement and upto roof of ground floor/upto 4 m	0.20 M.T.	69,334.00 Per M.T. (Rupees sixty-nine thousand three hundred thirtyfour only)		13,866.80
	(ii) --do--do-- In first floor.	0.10 M.T.	69,637.30 Per M.T. (Rupees sixty-nine thousand six hundred thirtyseven and paise thirty only)		6,963.73
	(ii) --do--do-- In first floor.	0.10 M.T.	69,940.60 Per M.T. (Rupees sixty-nine thousand nine hundred forty and paise sixty only)		6,994.06

T.I. No.	Description of works	Quantity	Rate Rs. P.	Unit	Amount Rs. P.
9.	(i) Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams and columns, lintels curved or straight including fitting, fixing and striking out after completion of works (upto roof of ground floor)(a) 25 mm to 30 mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	2.00 Sqm.	265.73	Per Sqm. (Rupees two hundred sixtyfive and paise seventythree only)	531.46
	(ii) --do--do-- In first floor.	2.00 Sqm.	276.88	Per Sqm. (Rupees two hundred seventysix and paise eightyeight only)	553.76
	(iii) --do--do-- In second floor.	2.00 Sqm.	288.03	Per Sqm. (Rupees two hundred eithtyeight and paise three oinly)	576.06
10.	(i) Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] -20 mm thick cement plaster in 1:6 mortar.	500.00 Sqm.	124.75	Per Sqm. (Rupees one hundred twentyfour and paise seventyfive only)	62,375.00
	(ii) --do--do-- In first floor.	500.00 Sqm.	126.98	Per Sqm. (Rupees one hundred twentysix and paise ninetyeight only)	63,490.00
	(iii) --do--do-- In second floor.	500.00 Sqm.	129.21	Per Sqm. (Rupees one hundred twentynine and paise twentyone only)	64,605.00
11.	(i) Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary (Ground floor).[Excluding cost of chipping over concrete surface] -10 mm thick cement plaster in 1:4 mortar.	150.00 Sqm.	95.78	Per Sqm. (Rupees ninetyfive and paise seventyeight only)	14,367.00
	(ii) --do--do-- In first floor.	150.00 Sqm.	98.01	Per Sqm. (Rupees ninetyeight and paisa one only)	14,701.50
	(iii) --do--do-- In second floor.	150.00 Sqm.	100.24	Per Sqm. (Rupees one hundred and paise twentyfour only)	15,036.00

T.I. No.	Description of works	Quantity	Rate	Unit	Amount
			Rs. P.		Rs. P.
12.	Dismantling artificial stone flooring upto 50 mm. thick by carefully chiselling without damaging the base and removing rubbish as directed within a lead of 75 m.				
	(i) In ground floor.	150.00 Sqm.	30.94 Per (Rupees thirty and paise ninetyfour only)	Sqm.	4,641.00
	(ii) --do--do-- In first floor.	150.00 Sqm.	34.51 Per (Rupees thirtyfour and paise fiftyone only)	Sqm.	5,176.50
	(iii) --do--do-- In second floor.	150.00 Sqm.	38.08 Per (Rupees thirtyeight and paise eight only)	Sqm.	5,712.00
13.	25 mm thick artificial stone in floor, dado, staircase etc with cement concrete (1:2:4) with stone chips, laid in panels as directed with topping made with ordinary or white cement (as necessary) and marble dust in proportion (1:2) including smooth finishing and rounding off corners including raking out joints or roughening of concrete surface and application of cement slurry before flooring works using cement @ 1.75 kg/sq.m all complete including all materials and labour. 3 mm. thick topping (High polishing grinding on this item is not permitted with ordinary cement). Using grey cement.				
	(i) In ground floor.	150.00 Sqm.	219.04 Per (Rupees two hundred nineteen and paise four only)	Sqm.	32,856.00
	(ii) --do--do-- In first floor.	150.00 Sqm.	222.33 Per (Rupees two hundred twentytwo and paise thirtythree only)	Sqm.	33,349.50
	(iii) --do--do-- In second floor.	150.00 Sqm.	225.62 Per (Rupees two hundred twentyfive and paise sixtytwo only)	Sqm.	33,843.00
14.	Neat cement punning about 1.5 mm. thick in wall, dado, window, sills, floor, drain etc. Note: Cement 0.152 cu.m. per 100 sq.m.	100.00 Sqm.	28.51 Per (Rupees twentyeight and paise fiftyone only)	Sqm.	2,851.00
15.	Wood work in door and window frame fitted and fixed in position complete including a protective coat of painting at the contact surface of the frame exluding cost of concrete, Iron Butt Hinges and M.S clamps. (The quantum should be corrected upto three decimals) -with Malayasian Sal.	0.350 Cum.	69,527.00 Per (Rupees sixtynine thousand five hundred twentyseven only)	Cum.	24,334.45

T.I. No.	Description of works	Quantity	Rate Rs. P.	Unit	Amount Rs. P.
16.	Z-batten shutters with 25mm thick planks, 19mm thick battens of door and window as per design having tongued and groove-half lap jointed as per direction of the Engineer-in-Charge including fitting and fixing shutter in position, but excluding the cost of hinges and other fittings in ground floor. - with Sishu, Gamar, Champ, Badam, Bhola, Morga, Hollock.	65.00 Sqm.	2,239.14 (Rupees two thousand two hundred thirty-nine and paise fourteen only)	Per Sqm.	1,45,544.10
17.	Taking out shutter of door and window, dismantling by parts (for repair or replacement of damaged parts), reassembling and refitting and rehang same with old fittings but with new screws as necessary. (Where different parts of same shutter are renewed under different item, payment under item 73 will be made once only).	50.00 Sqm.	86.67 (Rupees eighty-six and paise sixty-seven only)	Per Sqm.	4,333.50
18.	Renewing M.S. clamps for door and window frame made of flat bent bar, end bifurcated with necessary screws etc. In cement concrete(1:2:4) including cutting of brick work/concrete work as per direction. (Cost of concrete will be paid separately) - 40mm X 6mm, 200mm Length	55 Nos.	41.15 (Rupees forty-one and paise fifteen only)	Each	2,263.25
19. (i)	Iron butt Hinge (block patent best quality) fitted and fixed complete -100mm. X 58mm. X 1.90mm.	200 Nos.	45.73 (Rupees forty-five and paise seventy-three only)	Each	9,146.00
20.	Iron door ring of approved quality fitted and fixed with nut and washer complete. -75mm dia.	75 Nos.	30.31 (Rupees thirty and paise thirty-one only)	Each	2,273.25
21. (i)	Anodised aluminium barrel / tower / socket bolt (full covered) of approved manufactured from extruded section conforming to I.S. 204/74 fitted and fixed with cadmium plated screws- 150mm long x 10mm dia. bolt.	60 Nos.	66.86 (Rupees sixty-six and paise eighty-six only)	Each	4,011.60
(ii)	225mm long x 12mm dia. bolt.	70 Nos.	127.09 (Rupees one hundred twenty-seven and paise nine only)	Each	8,896.30
22.	Iron hasp bolt of approved quality fitted and fixed complete (oxidised) with 16mm dia rod with centre bolt and round fitting - 300mm long.	70 Nos.	182.91 (Rupees one hundred eighty-two and paise ninety-one only)	Each	12,803.70
23.	White washing including cleaning and smoothening surface thoroughly (i) Two coats.	5,200.00 Sqm.	11.63 (Rupees eleven and paise sixty-three only)	Per Sqm.	60,476.00

T.I. No.	Description of works	Quantity	Rate Rs. P.	Unit	Amount Rs. P.
24.	Colour washing one(1) coat with any shade except pink , yellow with Stainers, as required including cleaning and smoothening surface thoroughly .	20,700.00 Sqm.	1,005.96	Per 100 Sqm. (Rupees one thousand five and paise ninety six only)	2,08,233.72
25.	Priming one coat on timber or plastered surface with synthetic oil bound primer of approved quality including smoothening surfaces by sand papering etc.	175.00 Sqm.	28.38	Per Sqm. (Rupees twenty eight and paise thirty eight only)	4,966.50
26 (a)	Painting with best quality synthetic enamel paint of approved make and brand including smoothening surface by sand papering etc. including using of approved putty etc. on the surface, if necessary - On timber or plastered surface -with other than hi-gloss of approved quality- Two coats (with any shade except white)	4,000.00 Sqm.	57.17	Per Sqm. (Rupees fifty seven and paise seventeen only)	2,28,680.00
(b)	On steel or other metal surface - With other than hi-gloss of approved quality-Two coats (with any shade except white).	500.00 Sqm.	54.14	Per Sqm. (Rupees fifty four and paise fourteen only)	27,070.00
27.	Supplying, fitting and fixing PVC pipes of approved make of (medium duty) conforming to ASTM D - 1785 and threaded to match with GI Pipes as per IS : 1239 (Part - I). with all necessary accessories, specials viz. socket, bend, tee, union, cross, elbow, nipple, long screw, reducing socket, reducing tee, short piece etc. fitted with holder bats clamps, including cutting pipes, making threads, fitting, fixing etc. complete in all respect including cost of all necessary fittings as required, jointing materials and two coats of painting with approved paint in any position above ground. (Payment will be made on the centre line measurements of total pipe line including all specials. No separate payment will be made for accessories, specials. Payment for painting will be made separately) - For Exposed Work - PVC Pipes (Dia)-				
(i)	15 mm	200.00 Mtr.	80.00	Per Mtr. (Rupees eighty only)	16,000.00
(ii)	20 mm	300.00 Mtr.	102.00	Per Mtr. (Rupees one hundred two only)	30,600.00
(iii)	25 mm	160.00 Mtr.	142.00	Per Mtr. (Rupees one hundred forty two only)	22,720.00
28.	Labour for dismantling G.I. pipe with fittings.				
(i)	15 mm	200.00 Mtr.	4.00	Per Mtr. (Rupees four only)	800.00
(ii)	20 mm	300.00 Mtr.	4.00	Per Mtr. (Rupees four only)	1,200.00

T.I. No.	Description of works	Quantity	Rate Rs. P.	Unit	Amount Rs. P.
(iii)	25 mm	160.00 Mtr.	4.00 Per Mtr. (Rupees four only)		640.00
29.	Supplying, fitting and fixing Peet's valve fullway gunmetal standard pattern best quality of approved brand bearing I.S.I. marking with fittings (tested to 21 kg per sq. cm.) of dia --				
(i)	25 mm	18 Nos.	926.00 Each (Rupees nine hundred twentysix only)		16,668.00
(ii)	20 mm	45 Nos.	645.00 Each (Rupees six hundred fortyfive only)		29,025.00
(iii)	15 mm	85 Nos.	505.00 Each (Rupees five hundred five only)		42,925.00
30(i)	Supplying, fitting and fixing alloy iron with brass spindle bib cock/ stop cock of approved brand and make, spray painted and tested to 21 kg per sq. cm.-15 mm.	40 Nos.	168.00 Each (Rupees one hundred sixtyeight only)		6,720.00
(ii)	Supplying, fitting and fixing Polythene Bib Cock / Stop Cock with metal inlet (EMCO / ATLAS or equivalent)-15 mm .	50 Nos.	89.00 Each (Rupees eightynine only)		4,450.00
31.	Supply, fit & fix 15 mm x 125 mm shower – Polythene of approved make 15mm x 125mm	45 Nos.	142.00 Each (Rupees one hundred fortytwo only)		6,390.00
32.	Supplying, fitting and fixing C.I. round grating -150 mm	150 Nos.	86.00 Each (Rupees eightysix only)		12,900.00
33.	Supplying, fitting & fixing Cast iron soil pipe only conforming to I.S. 3989 / 1970 and I.S. 1729/1964 with bobbins, nails etc. including making holes in the wall, floor etc. and cutting trenches etc. in any floor through masonry concrete, if necessary, and mending good damages with necessary jointing materials and painting two coats to the exposed surface with approved paint complete. (Measurement will be made along the center line of the total pipe line in fitted condition including specials, payment for specials & Painting will however be paid seperately) -with valamoid joints including sealing with sand cement mortar (4:1) upto quarter depth - 100 mm dia. (internal)	120 Mtr.	712.00 Per Mtr. (Rupees seven hundred twelve only)		85,440.00
34.	Supplying, fitting & fixing Cast iron single branch equal with door conforming to I.S. 1729/1970 including joining and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid seperately) - with valamoid joints including sealing the top with cement mortar (4:1)- 100 mm dia.	35 Nos.	748.00 Each (Rupees seven hundred fortyeight only)		26,180.00

T.I. No.	Description of works	Quantity	Rate Rs. P.	Unit	Amount Rs. P.
35.	Supplying, fitting & fixing H.C.I. bend with door conforming to I.S.S. including jointing complete and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid seperately)-with valamoid joints including sealing the top with cement mortar (4:1)- 100 mm dia.	70 Nos.	495.00	Each	34,650.00
			(Rupees four hundred ninetyfive only)		
36.	Supplying, fitting & fixing H.C.I. offset conforming to I.S.S. including jointing complete with or without ear (150 mm projection) and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid seperately)-with valamoid joints including sealing the top with cement mortar (4:1)- 100 mm dia.	20 Nos.	663.00	Each	13,260.00
			(Rupees six hundred sixtythree only)		
37.	Supplying, fitting & fixing approved patent vent cowl I.C.I. conforming to I.S.S and painting two coats to the exposed surface with approved paint complete. (Payment of Painting will however be paid seperately). - 100 mm dia.	40 Nos.	317.00	Each	12,680.00
			(Rupees three hundred seventeen only)		

Total

15,29,491.56

Carried over to Page No.: 11

B. F. From Page No. 10

Total Amount = Rs.15,29,491.56

Tenderer to fill up the following [score out which is not applicable]

(a).....%	}	Below par (-) Rs.
(in figures)		
.....Percent	}	Above par (+) Rs.
(in words)		
(b).....	At par	NIL
(c).....%	}	Above par (+) Rs.
(in figures)		
.....Percent	}	
(in words)		

Total Tendered Amount: Rs.

Total tendered amount (in words.....
.....

Maximum number of workmen likely to be engaged in a days work..... numbers

Permanent Income Tax A/C.No... ..

Date:

(Signature of Tenderer)

[Total amount of tender, completion time and preliminary time
as quoted / stated above are to be carried over to Form of
Tender attached]

कोलकाता पत्तन न्यास के न्यासी बोर्ड
THE BOARD OF TRUSTEES FOR THE PORT OF KOLKATA

निविदा फार्म / FORM OF TENDER

CONTRACT NO. _____.

The Chief Engineer
Kolkata Port Trust
Kolkata- 700001.

I/We

of

having examined the site of works, inspected the Drawings and read the Specifications, General & Special Conditions of Contract and Conditions of Tender, hereby tender and undertake to execute and complete all the works required to be performed in accordance with the Specification, Bill of Quantities, General & Special Conditions of Contract and Drawings prepared by or on behalf of the Trustees and at the rates & prices set out in the annexed Bill of Quantities within **6 (Six) months** (including preliminary time) from the date of order to commence the work and in the event of our tender being accepted in full or in part, I/We also undertake to enter into a Contract Agreement in the Form hereto annexed with such alterations or additions there to which may be necessary to give effect to the acceptance of the Tender and incorporating such specification, Bill of Quantities, Drawings and Special & General Conditions of Contract and I/We hereby agree that until such Contract Agreement is executed the said Specifications, Bill of Quantities, Conditions of Contract and the Tender, together with the acceptance thereof in writing by or on behalf of the Trustees shall be the contract.

*THE TOTAL AMOUNT OF TENDER **Rs.***

(Rupees in words).....
.....

I/We require days preliminary time to arrange and procure the materials required by the work from date of acceptance of tender before I/We could commence the work.

I/We have deposited with KOLKATA PORT TRUST, a sum ofvide Pay Order/Demand Draft No.....dt1of.....(name of Bank) as Earnest Money.

I/We agree that the period for which the tender shall remain open for acceptance shall not be less than four months.

Signature of Tenderer
(Seal of the Tenderer)

Witness :

Signature _____

Name _____
(In Block Letters)

Name of the
Tenderer : _____

Address: _____

Dated: _____

Occupation: _____

Address: _____
