



NAYA RAIPUR DEVELOPMENT AUTHORITY

**Tender Document for the
Water supply pipe line connection for HOD and Mantralay
buildings & specified area at Naya Raipur**

(Following Three-Envelope Tender Procedure)

**Schedule – A
Price Tender
To be submitted in ENVELOPE-3**

NIT No.: 22/EE-PHE / CE (E) / NRDA / 2015-16, Raipur,

Dated: 25.06.2015

Issued by: Chief Executive Officer,
Naya Raipur Development Authority (NRDA)
1st Floor, Utility block, Capitol Complex, Sector- 19,
Naya Raipur- 492 002, Chhattisgarh
Tel No: + 91 771 2511500; Fax No.: +91 771 2511400.
Website: www.nayarapur.com

Tender Document Contains

- (a) Only schedule "A" and Section-I of schedule "D" are to be filled & signed by the tenderer
- (b) All the certificates as per pre qualification criteria shall be appended with relevant forms of schedule "D"

1. PART ONE (NRDA F-1)-(Attached herewith, to be submit along the tender)

Part (A)

- a) Press Notice
- b) Detailed NIT

Part (B)

a) Schedule-A

- (i) Cost Abstract
- (ii) Bill of Quantities

- b) Schedule-B –NIL
- c) Schedule-C –NIL
- d) Schedule-D

Section-I..... Technical tender forms

- (i) Letter of Technical Tender
- (ii) Tenderer's Information Sheet
- (iii) Annual Turnover
- (iv) Specific Construction Experience
- (v) Declaration
- (vi) Check list for Technical tender evaluation

Section –IIScope of work

Section –III..... Technical specifications of work

Section –IV..... Special Conditions of Contract

Section –V..... List of approved makes

Section –VI..... Drawings

- e) Schedule-E
- f) Schedule-F

2. PART TWO (NRDA F-2/3) -Standard form (Not Attached herewith, and not to be submitted along the tender)

Important note: - Link site <http://nayaraipur.com/documents/gcc.pdf>

1. General Guidelines
2. Tender
3. General rules and directions
4. Conditions of contract
5. Clauses of contract
6. Model rules relating to labour, water supply and sanitation in labour camps safety code
7. Contract forms
 - (a) Draft Format for Performance Security
 - (b) Earnest Money Deposit Form (Bank Guarantee)
 - (c) Format of Contract Agreement
 - (d) Draft Format for Performance Guarantee for Water Proofing and Anti-termite Works
 - (e) Indemnity Bond
 - (f) Indenture Bond
 - (g) Notice for Appointment of Arbitrator
8. Proforma of schedules (Schedule 'A' to Schedule 'F')

Naya Raipur Development Authority (NRDA) Raipur, Chhattisgarh

Document details

Name of work : Water supply pipe line connection for HOD and Mantralay buildings & specified area at Naya Raipur

Name of Tender:

Details

a) Cost of Tender Document : Rs

b) EMD : Rs

Signature of Tenderer

Date: _____

Signature of Contractor.....

Signature of NRDA.....

COST ABSTRACT

" Water supply connection for HOD and Mantralay buildings & specified area at Naya Raipur"

Sl. No.	Description of Items	Amount in INR	Amount in Words (In INR)
(A)	CIVIL WORKS	Rs. -	
	Total	Rs. -	

Water supply connection for HOD and Mantralay buildings & specified area at Naya Raipur

Sl. No.	Description of Item	Unit	Quantity	Rate in INR	Rate in words	Amount in Rs.
1	Earth work in excavation for pipe trench in ordinary soil are as including dressing, watering and ramming and disposal of excavated earth lead up to 50meter sand lift up to 1.5m, disposal earth to be leveled, neatly dressed and as per Technical Specifications and as per direction of Engineer.	Cum	2777.00			-
2	Earth work in Excavation for pipe trench in Hard Soil areas including dressing, watering and ramming and disposal of Excavated earth lead up to 50 meter sand lift up to 1.5m, disposal earth to be leveled, neatly dressed and as per Technical Specifications and as per direction of Engineer.	Cum	208.00			-
3	Filling available excavated earth in trenches, plinth sides of foundation in layers not exceeding 20cm. in depth including consolidation of each layer by ramming watering, lead upto 50m and lift up to 1.5m in all kinds of soils and as per Technical Specifications and as per direction of Engineer.	cum	2859.00			-
4	Providing and laying mechanically mixed cement concrete with crushed stone aggregate excluding centering and shuttering (with 40mm nominal size graded stone aggregate) and as per Technical Specifications and as per direction of Engineer.					
i	M-10 Grade	Cum	1.47			-
5	Providing and laying in position machine batched, machine mixed and machine vibrated design mix cement concrete of specified grade for reinforced cement concrete work including concrete laying, cost of centering, shuttering, finishing and including Admixtures in recommended proportions as per IS9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge. M-20 grade design mix reinforced cement concrete by using 405 kg. of cement per cum of concrete. All work upto plinth level excluding the cost of reinforcement and as per Technical Specifications and as per direction of Engineer.					
i	M-20	Cum	14.07			-

Sl. No.	Description of Item	Unit	Quantity	Rate in INR	Rate in words	Amount in Rs.
6	Providing and fixing formwork i/c centering shuttering, strutting, staging, propping, bracing etc. complete and i/c removal of formwork and as per Technical Specifications and as per direction of Engineer.					
a	Foundation /footing /column base/ plinth beam of any shape and size up to plinth level	Sqm	28.00			-
b	Wall of any thickness including attached pilasters, buttresses etc	Sqm	34.00			-
7	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete and as per Technical Specifications and as per direction of Engineer.					
i	Thermo-Mechanically Treated bars FE -415	kg	703.35			-
8	Providing, laying, Jointing & field testing of High Density Polyethylene pipes, (HDPE) Conforming to IS4984/ 14151/ 12786/ 13488 with jointing material like mechanical connector or jointing pipes by heating to the ends of pipes including necessary specials, fittings and with the help of Teflon coated electric mirror/ heater to the required temperature and then pressing the ends together against each other, to form a monolithic & leak proof joint by thermo setting process. It may be required to be done with Jacks/ Hydraulic Jacks /But fusion machine. (50mm & above fusion jointed & below 50 mm mechanical jointed) and as per Technical Specifications and as per direction of Engineer.					
i	50 mm dia.(PE-100) 6 Kg/sq.cm	Rm	100.00			-
ii	75 mm dia.(PE-100) 6 Kg/sq.cm	Rm	600.00			-
ii	90 mm dia.(PE-100) 6 Kg/sq.cm	Rm	100.00			-

Sl. No.	Description of Item	Unit	Quantity	Rate in INR	Rate in words	Amount in Rs.
iii	110 mm dia.(PE-100) 6 Kg/sq.cm	Rm	100.00			-
iv	160 mm dia.(PE-100) 6 Kg/sq.cm	Rm	100.00			-
9	Providing, laying and jointing socket & spigot centrifugally cast (Spun) Ductile Iron pressure pipes with inside cement mortar lining (classK-7) Conforming to IS 8329/2000 with suitable Rubber Gasket (Pushon) joints as per IS:5382/85 including testing of joint (laying Conforming to IS 12288 : 1987) and as per Technical Specifications and as per direction of Engineer.					
i	200 mm dia.	Rm	2500.00			-
10	Providing & Supplying D.I. Specials & Fittings For all types of specials, bends, tees.. etc. and as per Technical Specifications and as per direction of Engineer.					
i	80mm to 300 mm dia	Kg	200.00			-
11	Labour for cutting following ductile iron pipes of any type and class	Per Cut	10.00			-
12	Providing & fixing of Cast iron double flanged sluice valves as per I.S.:14846-2000 fitted with cast iron cap including jointing & testing with cost of jointing material such as bolts, nuts, rubber insertions etc. all complete. (Steel Spindle) and as per Technical Specifications and as per direction of Engineer.					
a	Sluice Valve/Scour valve					
i	100 mm dia. PN-1.6.	Nos	2.00			-

Sl. No.	Description of Item	Unit	Quantity	Rate in INR	Rate in words	Amount in Rs.
ii	150 mm dia. PN-1.6.	Nos	4.00			-
iii	200 mm dia. PN-1.6.	Nos	4.00			-
13	Providing and fixing full way gate valves tested to 21.00kg/sq.cm. Conforming to IS 778/1984 (Reaffirmed 2005) Class-I (Screwed or Flanged type) and as per Technical Specifications and as per direction of Engineer.					
i	50mm dia	Nos	2.00			-
ii	80mm dia	Nos	3.00			-
14	Providing & fixing cast iron double air valves, flanged without in-built isolating valve as per IS:14845-2000 including jointing & testing with cost of jointing material and rubber insertion all complete as per IS :13095-1991 and as per Technical Specifications and as per direction of Engineer.					
i	100 mm dia PN-1.6	Each	1.00			-
15	Filling with murum/ river sand for pipe bedding or over the pipe including supply and as per Technical Specifications and as per direction of Engineer.	Cum	125.00			-
16	Construction of RCC valve chamber internal size 1.2m x 1.2m x 1.5m, 100mm thick PCC- M10 and RCC M20 grade 150mm thick wall, precast cover 125mm thick slab on top for protection of valve coming under traffic & extended MS valve operating spindle rod as reqd etc. Including steel reinforcement on 10mm dia. 150mm c/c bothways wall & precast cover, shuttering, labour charges etc as per drawing and as per direction of Engineer complete etc.	No	10.00			-

Sl. No.	Description of Item	Unit	Quantity	Rate in INR	Rate in words	Amount in Rs.
	Electromagnetic Bulk Flow Meters					
17	Supply of Electromagnetic full bore meter complete as per specification including transportation to site, storage, safety, installation, testing, commissioning, making connections with existing pipeline, including excavation at site, cuts in the existing pipe system, dewatering and reinstating the same after completion of installation as per specification and drawings including all taxes. Accuracy of meter+0.3% of measured value, Flange connection as per AWWA & IS, Liner: Hard Rubber, Fully welded sensor housing complying to IP68 standard, Electrodes SS316, Sensor housing SS304, Cable gland 1/2"NPT, Sensor housing fully welded SS304 housing with protective Polyurethane paint, Flow Transmitter /Converter: Microprocessor based, modular design display 2 line back lit LCD for indication of actual flow rate, forward, reverse, sumtotalizer, Perfection category : IP 65O utput: One current output (4-20mA) one scalable pulse output and as per Technical Specifications and as per direction of Engineer.					
i	200 mm	Each	2.00			-
ii	150 mm	Each	2.00			-
iii	100 mm	Each	2.00			-
iv	80 mm	Each	2.00			-
v	50 mm	Each	2.00			-
Total amount (INR)						-