



NAYA RAIPUR DEVELOPMENT AUTHORITY

**Tender Document for the
Construction of Rain water harvesting system in 33/11KV
sub-station in Naya Raipur
(Following Three-Envelope Tender Procedure)**

TENDER DOCUMENT (PART ONE)

NIT No. : 111 /RWH/EEE./ CE (E) / NRDA / 2016-17,

Naya Raipur, Dated:06.10.2016

Issued by: Chief Executive Officer,
Naya Raipur Development Authority (NRDA)
Paryavas Bhawan, North Block, Sector- 19,
Naya Raipur- 492 002, Chhattisgarh
Tel No: + 91 771 2511500; Fax No.: +91 771 2511400.
Website: www.nayaraipur.gov.in

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](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 : Construction of Rain water harvesting system in 33/11KV sub-station in 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.....

Bill of Quantities

Construction of Rain water harvesting system in 33/11KV sub-station in Naya Raipur

SNo.	Description of works	Unit	Quantity	Rate in INR	Rate in words (in INR)	Amount
1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.					
i	In all types of soils.	Cum	1591.00			-
2	Extra for every additional lift of 1.5 m or part thereof.					
i	All types of soils	Cum	707.11			-
3	Providing and filling in plinth with sand/ Crusher dust under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	Cum	474.58			-
4	Supplying, filling, spreading & leveling stone boulders/ Gravels/ Coarse sand, in recharge pit, in the required layers and thickness, for all leads & lifts, all complete as per direction of Engineer-in-charge. (excavation of pit will be paid separately).					
i	Stone boulders of size range 5 cm to 20 cm, in recharge pit	Cum	126.00			-
5	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.					
i	1:3:6 (1cement:3coarse sand : 6graded stone aggregate 40mm nominal size).	Cum	19.19			-
6	Providing and laying design mix reinforced cement concrete with crushed graded stone aggregate 20mm nominal size using batching plant, transit mixer and concrete pump, in all works upto plinth level excluding cost of form work.					
	M-20 Grade	Cum	38.29			-

SNo.	Description of works	Unit	Quantity	Rate in INR	Rate in words (in INR)	Amount
7	Extra for precast PCC/ RCC work of any mix including form work, hoisting and fixing in Cement Mortar. 1:2 (1 Cement : 2 coarse sand) and finishing with cement plaster in Cement Mortar 1:3 (1 Cement : 3 coarse sand) but excluding reinforcement.	Cum	3.11			-
8	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:					
i	Thermo-Mechanically treated bars FE 500D	kg	3828.67			-
9	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:					
i	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	Sqm	75.23			-
10	Suspended floors, roofs, access platform, balconies (plain surfaces) and shelves (cast in situ)	Sqm	210.00			-
11	Brick work with modular fly-ash lime bricks (FaLG Bricks) conforming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:					
i	Cement Mortar 1:6 (1 cement : 6 coarse sand)	Cum	293.16			-
12	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:					
i	In Cement Mortar 1:4 (1 cement : 4 fine sand)	Sqm	1179.36			-

SNo.	Description of works	Unit	Quantity	Rate in INR	Rate in words (in INR)	Amount
13	Providing orange colour safety foot rest of minimum 6 mm thick plastic encapsulated as per IS : 10910 on 12mm dia steel bar conforming to IS : 1786 having minimum cross section as 23 mmx25mm and over all minimum length 263 mm and width as 165mm with minimum 112 mm space between protruded legs having 2 mm tread on top surface by ribbing or chequering besides necessary and adequate anchoring projections on tail length on 138 mm as per standard drawing and suitable to with stand the bend test and chemical resistance test as per specifications and having manufacture's permanent identification mark to be visible even after fixing, including fixing in manholes with 30x20x15 cm cement concrete block 1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) complete as per design.	Each	336.00			-
14	Providing and fixing on wall face or under floor UV stabilized Unplasticised Rigid PVC pipes (single socketed) having 3.2mm wall thickness conforming to IS : 13592 (4kg/sqcm) including required couplers, Tee, reducers, jointing with seal ring conforming to IS : 5382 leaving 10 mm gap for thermal expansion etc complete.					
i	160 mm dia pipe.	metre	420.00			-
ii	110 mm dia pipe.	metre	420.00			-
iii	75 mm dia pipe.	metre	336.00			-
Total Cost						-