



**NAYA RAIPUR DEVELOPMENT AUTHORITY**

**Modified**  
**Tender Document for the**  
**Conservation and Development of Jhanjh lake at**  
**Naya Raipur (Phase –II)”**

(Following Three-Envelope Tender Procedure)

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

NIT No : 67/AEC-II/SE(E)/ CE (E)/ NRDA /2016-17, Naya Raipur

Dated: 22.04.2016

**Issued by:** Chief Executive Officer,  
Naya Raipur Development Authority (NRDA)  
Utility block, Capitol Complex, Sector- 19,  
Naya Raipur- 492 002, Chhattisgarh  
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Website: [www.nayaraipur.gov.in](http://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 –II .....Scope 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 : “Conservation and Development of Jhanjh lake at Naya Raipur (Phase –II)”

Name of Tenderer:

### Details

- a) Cost of Tender Document : Rs
- b) EMD : Rs

Signature of Tenderer

Date: \_\_\_\_\_

Signature of Contractor.....

Signature of NRDA.....

Modified Bill of Quantities						
Conservation and Development of Jhanjh lake at Naya Raipur (Phase – II)						
Sr. No.	Description of Items	Unit	Quantity	Rate in INR	Rate in words (in INR)	Amount in INR
<b>A CIVIL WORKS FOR LAKE AREA</b>						
1	EARTH CUTTING & FILLING (MASS EXCAVATION)					
	Excavation in all types of soil including all lead and all lift with dressing as directed by Engineer Incharge.					
i	The rate of excavation in soil shall also be valid for disposal of excavated earth with all lead and lift as directed by Engineer Incharge.					
	Nothing extra shall be paid on account of extra lead involved due to excavated soil to be reused in filling / refilling. Only item of excavation and disposal of soil shall be paid as per BOQ.					
a	Dry excavation	CUM	1,52,955.00			Rs. -
	Wet excavation below sub soil water level					
b	Wet excavation:	CUM	4,58,865.00			Rs. -
2	Compaction of earthwork at optimum moisture content to dry density not below 90% by light rollers i.e. non-powered rollers or sheep foot earth masters or hand rammers including watering.	CUM	6,11,820.00			Rs. -
3	Compacting Original Ground supporting embankment Loosening, leveling and compacting original ground to facilitate placement of first layer of embankment, scarified to a depth of 150 mm, mixed with water at O.M.C. and then compacted by rolling so as to achieve minimum dry density as given in table 300-2 for embankment construction.	CUM	1,18,834.00			Rs. -
NOTE	The Rate quoted by the bidder for vide item no 1(a),1(b) ,2 & 3 in the "Schedule A" shall be in line of proper bunding to protect seepage, dewatering, spreading of material & grading in layers ,watering and compaction of material in layers ,all approach roads all leads & lifts with in Naya Raipur or any other contingency in the excavation, nothing extra shall be payment as on amount in these item.					

Sr. No.	Description of Items	Unit	Quantity	Rate in INR	Rate in words (in INR)	Amount in INR
4	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.					
a	M-20 Grade	CUM	480.00			Rs. -
5	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:					
a	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	Sqm	1440.00			Rs. -
6	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:					
a	Thermo-Mechanically treated bars FE 500D	Kg	72000.00			Rs. -
<b>B</b>	<b>Approach, Internal Road &amp; Pathways</b>					
7	Clearing and grubbing road land including uprooting rank vegetation, grass, bushes, shrubs, saplings and trees girth up to 300 mm, removal of stumps of trees cut earlier and disposal of unserviceable materials and stacking of serviceable material to be used or auctioned up to a lead of 1000 meters including removal and disposal of top organic soil not exceeding 150 mm in thickness if required and as per relevant clauses of section-200.					
a	In area of light jungle	Ha	0.09			Rs. -

Sr. No.	Description of Items	Unit	Quantity	Rate in INR	Rate in words (in INR)	Amount in INR
8	Construction of embankment with Material Obtained from Borrow Pits/Borrow Area (Construction of embankment with approved material/selected soil having C.B.R.>5 (unless specified otherwise in the contract) obtained from borrow pits with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement of table 300-2)	CUM	1800.00			Rs. -
9	Granular Sub-base as per Table:- 400-1					
	Construction of granular sub-base by providing close graded Material, , carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface watering, rolling and compacting with vibratory power roller at OMC to achieve the desired density, complete as per clause 401					
	Plant Mix Method					
a	Grading -III Material	CUM	180.00			Rs. -
10	Wet Mix Macadam (Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density as per clause 406.)	CUM	120.00			Rs. -
11	Prime coat (Providing and applying primer coat with oil based bitumen emulsion (SS-1, grade confirming to IS:8887) on prepared surface of granular Base including clearing of road surface and spraying primer using mechanical means as per clause 502.(i) on WBM/WMM surface @0.85 Kg/sqm.	sqm	350.00			Rs. -
12	Tack coat Providing and applying tack coat with bitumen emulsion (RS-1, grade confirming to IS:8887) using emulsion pressure distributor on the prepared bituminous/granular surface cleaned with mechanical broom and as per clause 503.(ii) for Grading-II(26.5 mm nominal size bitumen content 4.50%)					
a	Granular surfaces treated with primes @ 0.30 kg /Sqm	sqm	350.00			Rs. -

Sr. No.	Description of Items	Unit	Quantity	Rate in INR	Rate in words (in INR)	Amount in INR
b	Bituminous surface @ 0.25 kg /Sqm	sqm	350.00			Rs. -
13	Cement Concrete Pavement (Construction of un-reinforced, dowel jointed, plain cement concrete pavement as per IRC:58 over a prepared sub-base, coarse and fine aggregate conforming to IS:383 and graded as per table 600-3 mixed in a batching and mixing plant as per approved mix design, transported to site, laid with a fixed form or slip form paver, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing as per clause 602.)					
a	With Cement concrete grade M-30 and minimum cement content @ 375 kg/CUM.	CUM	31.50			Rs. -
14	Dense Bituminous Macadam (Providing and laying dense bituminous macadam with minimum 40-60 TPH capacity HMP using crushed aggregates of specified grading, premixed with bituminous binder @ 4.0 to 4.5% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No.505 complete in all respects.)					
a	for Grading-II(26.5 mm nominal size bitumen content 4.50%)	CUM	17.50			Rs. -

Sr. No.	Description of Items	Unit	Quantity	Rate in INR	Rate in words (in INR)	Amount in INR
15	Bituminous Concrete (Providing and laying bituminous concrete with minimum 40-60 TPH capacity hot mix plant using crushed aggregates of specified grading, premixed with bituminous binder @ 5.0 to 6.0% by weight of total mix of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 507 complete in all respects)					
a	for Grading II (13.2 mm nominal size) with bitumen 6.0 %	CUM	14.00			Rs. -
16	Cast in Situ Cement Concrete M20 kerb (Construction of cement concrete kerb with top and bottom width 115 and 165 mm respectively, 250 mm high in PCC M20 grade on PCC M10 grade foundation 150 mm thick, foundation having 50 mm projection beyond kerb stone, kerb stone laid with kerb laying machine, foundation concrete laid manually, all complete as per clause 409)	Meter	100.00			Rs. -
17	Footpaths and Separators (Construction of footpath/separator by providing a 150 mm compacted granular sub base as per clause 401 and 75 mm thick cement concrete base with PCC grade M-15, overlaid with precast cement concrete tiles 25mm thick fixed in 20mm)	sqm	250.00			Rs. -
18	Painting on Concrete Surfaces					
a	Two coats on new surfaces (Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces)	Sqm	100.00			Rs. -
<b>C</b>	<b>Lake Edge Treatment</b>					
19	Excavation for Structures (Earth work in excavation of foundation of structures as per drawing and technical specification, including setting out, construction of shoring and bracing, removal of stumps and other deleterious matter, dressing of sides and bottom and backfilling with approved material.) Ordinary soil Up to 3 m depth	CUM	2318.12			Rs. -



Sr. No.	Description of Items	Unit	Quantity	Rate in INR	Rate in words (in INR)	Amount in INR
20	Providing and laying Pitching Stone/Boulder on slopes laid over prepared filter media including boulder apron laid dry in front of toe of embankment complete as per drawing and Technical specifications as per clause 2504.	CUM	1180.80			Rs. -
21	Providing and laying Filter material underneath pitching in slopes complete as per drawing and Technical specification including trimming of slopes to proper profile and preparation of bed and as per clause 2504.	CUM	111.50			Rs. -
<b>D</b>	<b>Pipe Crossings</b>					
22	Providing and laying Reinforced Cement Concrete pipe NP 3 / prestressed concrete pipe. (Laying Reinforced cement concrete pipe NP3 /prestressed concrete pipe for culverts including fixing collar with cement mortar 1:2 but excluding bedding below pipes, excavation, protection works, backfilling, concrete and masonry works in head walls and parapets . )					
a	450 mm dia	RM	60.00			Rs. -
b	1200 mm dia	RM	90.00			Rs. -
23	Providing 1st class bedding below pipes with graded sand or other granular materials passing through 5.6 mm sieve as per clause 2904.	CUM	37.80			Rs. -
24	Plain cement concrete complete as per drawing and Technical Specifications					
a	Coursed rubble masonry (first sort )	CUM	78.84			Rs. -

Sr. No.	Description of Items	Unit	Quantity	Rate in INR	Rate in words (in INR)	Amount in INR
25	Providing and fixing guard stones 200 x 200 x 900 mm made of precast RCC M-20 grade fixed at 300 mm into the ground in P.C.C. 1:3:6 blocks of size 400 x 400 x 400 mm and given two coats of paint with white and black bands including excavation.	Each	25.00			Rs. -
<b>E</b>	<b>Landscaping</b>					
26	Planting of Trees and their maintenance for one year (Planting of trees by the road side(Avenue trees) in 0.60m dia.holes, 1m. Deep dug in the ground, mixing the soil with decayed farm yard/sludge manure,planting the saplings, backfilling the trench, watering, fixing the tree guard and maintaining the plants for one year	each	2030.00			Rs. -
27	Grassing with 'Doob' grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for mowing including supplying good earth if needed (the good earth shall be paid for separately)..					
a	In rows 5 cm apart in either direction.	Sqm	2500.00			Rs. -
28	Maintenance of Lawns or Turfing of Slopes (Maintenance of lawns or Turfing of slopes (rough grassing) for a period of one year including watering etc.)	Sqm	2500.00			Rs. -
						<b>Rs. -</b>