

AMENDMENT
Expression of Intrest
For Expert Technical Consultant
For Revised Water Supply Project for Bhilai
charoda at Bhilai 3 , C.G.
Augmentation
“ Scheme Under Urban Infrastructure
Development Scheme”

Issued by
The Chief municipal officer
Municipal Council , Bhilai charoda
Bhilai 03
Distt- Durg
Chhattishgarh
Phone – 0788-2283410 , Fax – 0788-2284488
Website : <http://nagarpalikabhilaicharoda.com/>

Municipal Council Bhilai Charoda
CHHATTISHGARH
Head office – Bhilai 3 , Pin – 490021
Tele – 0788-2283410 , Fax – 0788- 2284488
Website : <http://nagarपालिकाभिलाइचरुडा.कम/>
AMENDMENT

EIO for expert technical consultant for the revised Engagement of Expert Technical Consultants for the Revised Water Supply Project for Bhilai Charoda Augmentation Scheme under Urban Infrastructure Development Scheme for Small & Medium Towns (UIDSSMT) to be executed by Nagar Palika Parishad Bhilai Charoda, C.G., India.

- I. The Municipal Council Bhilai Charoda , C.G. (BCMC) an Urban Local Body constituted and regulated under the C.G. Municipal Council act , 1961 is engaged in providing civic amenities and governance envisages to the State Urban Development Authority Raipur C.G. is the State Level Nodal Agency for implementing the centrally sponsored scheme of Urban Infrastructure Development Scheme for Small & Medium Towns (UIDSSMT)
- II. The proposals are invited “Expressions of Interest (EOI) from the Consultant who are either empanelled as a Technical Consultant in the Public Health Engineering Department Raipur (C.G.) as per Engineer- in – Chief, Memo No. 197 Dated 06/01/2012 or Technical Consultants /Consulting firms having experience of preparing DPRs for Urban/Rural Water Supply, sewerage for “Preparation of DPR which includes verification of survey earlier done as well as detailed Survey for the changes to be made in approved DPR as per actual site condition preparation of all designs, cost estimation for Bhilai Charoda Augmentation Water Supply Scheme with River Kharun as source .
- III. EIO document containing detailed terms and conditions can be obtained from BCMC office on or before 10 July 2014 during office hours on payment of Rupees one thousand by demand draft payable to the CMO at Municipal council bhilai charoda or can be downloaded from BCMC website www.nagarपालिकाभिलाइचरुडा.कम/ which can be submitted along with the prescribed demand draft.
- IV. The EIO proposals should be submitted so as to reach the office on or before 5.00 P.M. of 17 July 2014 along with an earnest money of Rs. Ten Thousand in the form of demand draft payable to the CMO at Municipal council bhilai charoda.

CMO
Municipal Council
Bhilai Charoda , C.G.

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EXPRESSION OF INTEREST

Municipal Council Bhilai Charoda intends to prepare a detailed project report, revised designs and working drawings for Augmentation Water Supply Scheme of Bhilai Charoda Town in the State of Chhatisgarh under UIDSSMT. Municipal Council Bhilai Charoda invites expression of interest from reputed consultants who has expertise in preparation of such type of projects.

The Augmentation Water Supply Scheme for Bhilai Charoda has been already approved under UIDSSMT by Govt. of India costing Rs. 99.62 Crores. The scope of work in the original sanctioned scheme is going to change as the source of the scheme is changed by WRD while according the allocation of water to the ULB.

The Bhilai Charoda Municipal council intends to engage consultants for Check Survey, modeling and preparation of working DPR with revised designs of the augmentation water supply scheme and to revise the complete scheme and to take the revised sanctions from competent authorities and to prepare the NIT's for calling the tenders after approval and to provide overall bid assistance during the Bid Process.

1. Brief outline of the sanctioned project:

- | | | | |
|----|---------------|---|----------------|
| 1. | Name of Town | : | Bhilai-Charoda |
| 2. | Block | : | Patan |
| 3. | District | : | Durg |
| 4. | PC No. | : | 46 |
| 5. | (a) Latitude | : | 21°38' N |
| | (b) Longitude | : | 81°31' E |

6. Demography :

S. No.	DESCRIPTION	TOTAL
1. Present	2011	97985
2. Initial stage	2016	106480
3. Intermediate stage	2031	132450
4. Ultimate stage	2046	160470

7. Existing Water : 455 nos. Hand Pumps & 80 nos. power Pumps
and A.C.P., G.I. pipe line with 5 nos. of OHSR

8. Present Supply : 21 LPCD

9. Projected water demand : 135 LPCD + 15% UFW

S. No.	DESCRIPTION	YEAR	PROJECTED POPULATION	WATER DEMAND (MLD)	Water Demand Proposed (MLD)
1	Initial stage	2016	106480	17.56	17.56
2	Intermediate stage	2031	132450	21.71	21.71
3	Ultimate stage	2046	160470	26.18	26.18

10. Proposed Scheme As per Sanction from CPHEEO :

- (1) Source : River Kharun
- (2) Supplemented : Mahanadi reservoir & MRP
- (3) Pumps (Raw water) :
- (i) Type of pump : Turbine Pump 2 nos.
- (ii) Discharge : 137.06 LPS
- (iii) Head : 64 mtr.
- (iv) Horse power : 180 HP each.
- (v) Stand by : 50% (2 Running + 1 Stand Bye)
- (vi) Pumping Hours : 22 Hours
- (4) Pumping main (Raw water) : 600 mm dia D.I. K-9 – 8645.00 mtr.

11. Treatment

(i) Water Treatment plant	:	Proposed 27.00 MLD	
(ii) Sump well	:	Proposed 1350 KL	
(iii) Pump (Clear Water)	:		
1. Type of Pump & nos.	:	Centrifugal pump 3 nos.	
2. Discharge	:	137.06 LPS	
3. Head	:	69 m.	
4. Horse Power	:	252.5 BHP	
5. Stand by	:	50% (2 Running + 1 Stand Bye)	
6. Pumping Hours	:	22 Hours	
6.Pumping main (Clear water)	:	Zone I	- 16781.00 mtr.
		Zone II	- 22742.00 mtr.
		600mm to 350mm dia DI K-9 pipes	
	Total -	39523.00 mtr.	

Clear Water Gravity Mains

Diameter	Zone I	Zone II	Dia wise Total
600		2980	2980
500		710	710
450	2693	3060	5753
400	2263		2263
350	4718	2784	7502
300	1215	1890	3105
250	1907	2487	4394
200	2371	6362	8733
150	1614	2469	4083
Zone Wise Total	16781	22742	39523

12. Over head water tank

Zone No.	Zone Name	(Capacity & staging)
1	Hathkhoj	570 KL 15 m. Proposed
2	Udma	490 KL 11 m. Proposed
3	Dadar	260 KL 14 m. Proposed
4	Bhathapara	300 KL 12 m. Existing.
5	Panchsheel Nagar	480 KL 18 m. Proposed
6	Padum Nagar	430 KL 18 m. Proposed
7	Vasundhara Nagar	450 KL 15 m. Existing.
8	Shantipara	940 KL 16 m. Proposed
9	Ekta Nagar	220 KL 12 m. Existing.
10	Dabrapara	400 KL 12 m. Proposed
11	Gandhi Nagar	450 KL 12 M. Existing.
12	Pragati Nagar	410 KL 14 M. Proposed
13	Urla	310 KL 17 m. Proposed
14	Devbaloda	300 KL 12 m. Existing.
15	Sagarpara	330 KL 15 m. Proposed
16	Sirsakala	620 KL 15 m. Proposed
17	Somni	150 KL 14 m. Proposed
18	Morid	250 KL 12 m. Proposed
19	Ganiyari	230 KL 14 m. Proposed
20	Housing Colony	160 KL 15 m. Existing
	Total Storage	7232 KL

13. Distribution System :

S.No.	Dia meter	Type	Length (in meter)
1.	110 mm dia.	HDPE PE 100 6 Kg	140812.00
2.	160 mm dia.	HDPE PE 100 6 Kg	17712.00
3.	200 mm dia.	D.I. K-7	12088.00
4.	250 mm dia.	D.I. K-7	4517.00
5.	300 mm dia.	D.I. K-7	2274.00
6.	350 mm dia.	D.I. K-7	1540.00
7.	400 mm dia.	D.I. K-7	740.00
		Total Length	179683.00

14. Estimated Cost Net : Rs. 9671.95 Lacs.

Estimated Cost Gross : Rs. 9962.11 Lacs.

15. Per Capita Cost : Rs. 6208.08

S.No.	Population	YEAR	COST In Rs.
1	Initial stage	2016	9355.85
2	Intermediate stage	2031	7521.41
3	Ultimate stage	2046	6208.08

16. Financing pattern of the scheme :

S.No.	DESCRIPTION	COST Rs. IN LACS
1	Central Aid 80%	7969.688
2	State Aid 10%	996.211
3	Local Agency 10%	996.211

17. No. of Houses Connections :

S.No.	DESCRIPTION	YEAR	No. OF HOUSE CONNECTION
1	Initial stage	2016	14241
2	Intermediate stage	2031	17715
3	Ultimate stage	2046	21463

18. Anticipated Revenue :

S.No.	DESCRIPTION	YEAR	COST Rs. IN LACS
1	Initial stage	2016	285.14
2	Intermediate stage	2031	478.79
3	Ultimate stage	2046	1421.93

19. O & M Cost :

S.No.	DESCRIPTION	YEAR	COST Rs. IN LACS
1	Initial stage	2016	366.04
2	Intermediate stage	2031	492.68
3	Ultimate stage	2046	620.45

20. Cost of production of water per 1000 liters :

S.No.	DESCRIPTION	YEAR	COST Rs.
1	Initial stage	2016	5.71
2	Intermediate stage	2031	6.22
3	Ultimate stage	2046	6.49

2.Scope of Work

The consultant has to carry out detailed working survey of all the components of the work such as head works, rising mains, leading mains/ gravity mains, locations of the WTP, MBR's and ESR's, their contour survey, and Distribution network of complete town. It is also expected from the consultant that they should approach the concerned state Government Departments and their representatives and give them the information about the project and know about the existing status of the water supply amenities. All the existing components for Bhilai Charoda Town shall also be surveyed and after comparing the utility of those components the consultant shall propose whether to utilize the existing components or to propose new components in the city.

The consultant has to prepare detailed estimates as per CG PHE SOR 12-13 & 3% shall have to be considered for Contingencies. The consultant will have to prepare financial viability, proposed tariff structure & overall general report in a neat & presentable manner for further submission to the Government.

The consultant has to comply with the remarks raised by competent authorities & resubmit the proposal. The responsibility of consultant is limited to submit the proposal for Administrative approval to the Government.

The following are some of the objectives which the consultant has to carry out, but the scope shall not be limited to the contents but for overall revised appraisal and to act and guide the ULB for compliance of the remarks from competent authorities during the project implementation phases

1. To carry out check survey of the complete water supply scheme and to locate the components with revised survey and to carry out the survey from new source to the WTP and to prepare detailed cost estimates of head works, raw water pumping main as per the CPHEEO guidelines and take the appraisal from the state technical wing if the cost is within the limits of sanction i.e Rs. 99.62 Crores. If the cost is more than the sanctioned cost then the revised proposal shall have to be technically weighted by NIT Raipur and from CPHEEO Delhi. The fees to be paid to NIT Raipur shall be paid by BCMC directly but the consultant shall have to make all the revisions/ updating as per the compliance of the technical weighting and as per the directives of the sanctioning authority.
2. In case of deficiencies in the submitted reports, guide the ULBs to incorporate required changes.

3. To prepare the draft NIT's of the project and assist in getting the sanctions for the tender documents and to assist in complete bid process for evaluation of the offers and to make a comparison and to facilitate BCMC to clear the award of the contracts
4. To carry out the geo technical investigations such as taking trial bores at WTP site, MBR site and OHT sites and to carry out strata classifications for pipe line alignments

3. Data Collection

The successful bidder shall have to collect all the necessary data required for preparation of Revised D.P.R. however Municipal Council Bhilai Charoda shall provide all the available data and assist in collecting the data from concerned department / authorities.

4. Pre Qualification Condition

The Consultant must have

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(1) **Technical Capability:**

The consultant / consultancy firm should have prepared DPRs for minimum 3 Projects for urban water supply project/ sewerage project under any State Government / Union Territory of Govt. India in last 5 years prior to 31st March 2014.

(2) **Financial capability:**

2.1 The cost of the project as per approved DPR in any category mentioned above should not be less than Rs.100.00 crores.

2.2 The consultant/ consultancy firm should have annual turnover of not less than Rs.150.00 lakh from consultancy assignment in any one year during the last three financial years prior to 31st March 2014.

The same should be certified by the officer not below the rank of Executive Engineer of any Government department/ Chief Municipal Officer of Municipal Council/ Commissioner Municipal Corporation. The interested bidder shall apply to the Chief Municipal Officer, Municipal Council Bhilai Charoda on or before **Dt. 10/07/2014** in office hours for getting themselves eligible.

5. Period of issue of documents

EIO document containing detailed terms and conditions can be obtained from BCMC office on or before 10 July 2014 during office hours on payment of Rupees one thousand by demand draft payable to the CMO at Municipal council bhilai charoda or can be downloaded from BCMC website www.nagarpalikabhilaicharoda.com/ which can be submitted along with the prescribed demand draft.

6. Period of Contract

1. 30 months upto complete execution of work.
2. period for submission & approval of revised DPR, including preparation of NIT & detail working drawings is 6 months.

7 Earnest Money

- a. Rs. 10,000/- in the shape of Term Deposit Receipt of Nationalized Bank or Scheduled Bank of Minimum one year period from the date prescribed for opening of tender in the name of **Chief Municipal Officer, Municipal Council Bhilai Charoda**
- b. The earnest money shall be refunded immediately in the case of tenderers whose tenders are not accepted, except for first three lowest offers. Earnest money of other two lowest bidders and successful tenderer will be refunded after award of contract.

8. Manner of Submission

The Consultant shall submit the duly filled schedule (Annexure I) in the manner specified for each activity. The EOI document shall be sealed in an envelope (B). The supporting documents & TDR of Earnest money shall be sealed in an envelope (A). Conditional offers are liable to be rejected without any prejudice.

9. Date & place of submission of EOI

The duly filled EOI documents shall be submitted in the office of the Chief Municipal Officer, Municipal Council Bhilai Charoda up to or on **Dt. 17/07/2014** up to 5.00 PM Hours. Any delay in receipt of EOI by post would be the responsibility of Contractor and such tenders, which are received late, will not be opened.

10. Date of opening of EOI

The EOI will be opened on next day @ 11.00 AM hours, if possible in the presence of attending Consultants or their authorized representatives in the office of Chief Municipal Officer, Municipal Council Bhilai Charoda

11. Acquaintance with the project Area

The consultant should personally visit the site and get themselves acquainted with local site conditions.

12. Taxes and Levies

The offer shall be inclusive of all the Taxes (Income Tax, Sales Tax, Vat etc), but service Tax shall be paid at the percentage prevailing to the current practices if applicable.

13. Contract

The successful bidder shall enter in to an B-1 agreement on the stamp paper having worth of Rs. 100/- with the undersigned.

14 Security Deposit

a. 5% amount to be recovered through each Running Bills which will be released after successful implementation of the scheme or 30 months

b. Stamp Duty

2% of total security deposit will have to be paid as Stamp Duty on the date of agreement to be in the form of adhesive stamps, fixed on stamp paper of Rs. 100/-. Stamp paper cost will have to borne by the Consultant.

15. Mode of payment

The mode of payment shall be as under for Original scheme

1.	Submission of field survey report	
2.	Submission of the revised scheme file to the Municipal Council	40%
3.	Submission of the revised scheme file to the SUDA office with due compliance	20%
4.	Revised Technical Sanction from Competent authority	10%
5.	Revised Administrative Sanction from Competent authority	10%

6.	Preparation and approval of Tender document & NIT. Finalization of Bid process.	5%
7.	On submission of detail working drawing as per approved DPR	10%
8.	Security and performance guarantee	5%

16. All rights reserved

Right to reject any or all the EOI's without assigning any reason thereof and any further modifications and disputes are reserved by the undersigned, whose decision will be final and legally binding on the consultants.

17. Submission of expression of interest :-

Expression of interest with supporting documents as mentioned above shall be submitted in sealed cover so as to reach the address mentioned below on or before **17/07/2014, 5pm.** Envelope shall be clearly marked 'Application for engagement of consultants for the Check survey and preparation of revised DPR for Augmentation water supply scheme Bhilai Charoda under UIDSSMT'.

The Chief Officer,
Office of the Municipal Council Bhilai charoda,
Phone: 0788-2283410
Fax:: 0788-2284488
e.mail: cmobhilaicharoda@gmail.com
Website : <http://nagarपालिकabhilaicharoda.com/>

The Department reserves the right to accept or reject any or all the offers without assigning any reason whatsoever.

Chief Municipal Officer
Bhilai Charoda Municipal Council

MUNICIPAL COUNCIL BHILAI CHARODA

**Annexure I
RATES FOR ACTIVITIES**

Sr.No.	Particulars	Unit	Rate
1.	1. Detailed check survey of all the components	Per KM	In Rs.
2.	1. Detailed consultancy for preparation of revised DPR for Augmentation water supply scheme for Bhilai Charoda, with feasibility of various components of scheme with sufficient alternatives. 2. Collection of data for checklist, general reports, estimates. 3. Designing various components of the scheme such as rising main, feeder main, distribution system, capacity calculation of head works, ESR, WTP, pumping machinery etc. as per CPHEEO manual. 4. Preparation of plans & Estimates for all sub works as per PHE SOR 2012-13, M & R Estimates, Financial patterns principal features, & updating the estimates & DPR during scrutiny till the approval of competent authorities. 5. Submission of plans, estimates & reports with digitalized drawings in 5 copies including computer typing photocopying binding etc. complete in presentable manner. 6. Compliance of remarks raised at various levels till the final approval. 7. Carrying out geo technical investigations at places like WTP, MBR, ESR etc. 8. Preparation of draft NIT for all the components of the scheme and bid assistance during tendering stage including evaluation of bids 9. Preparation of detail working drawing as per final approved DPR in 5 copies. 10. Assistance during execution for any change in working drawing as per required physical condition.	Percentage base	% of project cost