



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769008 (ODISHA)**

NOTICE INVITING TENDER

**[CONSTRUCTION OF NEW ROADS AND WIDENING OF
EXISTING ROADS AT NIT, ROURKELA (PHASE-IV) &
EXTENSION OF HOMI BHABA HALL OF RESIDENCE
(CIVIL, PH & ELECTRICAL) AT NIT, ROURKELA]**

(TENDER NOTICE NO CT-27/2013-14)

Sealed proposals are invited for

**[CONSTRUCTION OF NEW ROADS AND WIDENING OF
EXISTING ROADS AT NIT, ROURKELA (PHASE-IV)]**

Issue of tender (Website): **13.02.2014.**

Closing Date & Time : **06.03.2014, 3.00 PM**

Open on : **06.03.2014, 3.30 PM (Part-I & Part-II)**

(TENDER NOTICE NO CT-28/2013-14)

Sealed proposals are invited for

**[EXTENSION OF HOMI BHABA HALL OF RESIDENCE
(CIVIL, PH & ELECTRICAL) AT NIT, ROURKELA]**

Issue of tender (Website): **13.02.2014.**

Closing Date & Time : **18.03.2014, 3.00 PM**

Open on : **18.03.2014, 3.30 PM (Part-I & Part-II)**

For details visit our website:

www.nitrkl.ac.in/Jobs & Tenders /Construction Tenders

Contact Person: Prof. S.K. Das, PIC (Civil Construction),

PhoneNo: **0661-2462315.** Email: **sarat@nitrkl.ac.in**

Registrar



**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769008, ORISSA
(Tender Notice No- CT-27/ 2013-14)**

**NAME OF WORK: CONSTRUCTION OF NEW ROADS AND WIDENING OF EXISTING
ROADS IN NIT, ROURKELA (PHASE-IV)**

Sealed tenders are invited from reputed civil contractors of appropriate class having valid registration with PWD (Orissa State) / CPWD / PSUs / NITR having sound financial status, machinery, resources and experience in execution of similar works.

<u>Name of Work</u>	<u>Estimated Cost (Lakhs)</u>	<u>EMD</u>	<u>Time of Completion</u>
Construction of new roads and Widening of existing roads (Phase-IV)	Rs.754.86	Rs.9.0 Lakhs	12 months

Interested firms who have executed similar types of works at least one work of Rs.362.0 lakhs cost or two works of Rs.226.0 Lakhs or three works of Rs.181.0 Lakh. during last 5 years are requested to apply for one or all the above mentioned jobs with credentials / information / testimonials addressed to the Registrar, NIT, Rourkela-769008, in three parts (**1st Part: EMD & Tender cost, 2nd Part: Techno commercial bids including prequalification requirement of tenders and 3rd part: Price bid**) in separate sealed covers for each work as mentioned above, superscribing on the top of the envelope:

**CONSTRUCTION OF NEW ROADS AND WIDENING OF
EXISTING ROADS IN NIT, ROURKELA (PHASE-IV)**

(TENDER NOTICE NO – CT– 27/ 2013-14)

DUE ON: 06.03.2014, 03.00 PM

OPEN ON: 06.03.2014, 3.30 PM

The similar work shall mean construction of road including ancillary works. The firm must possess Hotmix Plant and other appropriate equipment for road making including bituminous surfacing, using latest state of art technology. Further, for widening of existing roads, the firm must also possess 1200mm or less width vibrating roller (Relevant documents in support of the same to be enclosed).

Sealed tenders on overall cost plus/minus percentage basis are invited in the prescribed form.

The Earnest Money may be deposited in the form of Demand Draft of a Nationalized Bank (Payable at Rourkela in favour of Director, National Institute of Technology, Rourkela).

A part of earnest money is acceptable in the form of bank guarantee also. In such case, Rs.4.50 Lakhs will have to be deposited in the shape of Demand Draft and balance amount in shape of Bank Guarantee of any Nationalized bank having branch

at Rourkela. The intending bidder has to fill all the details such as Banker's name, Demand Draft, Bank Guarantee number, amount and date. The Bank Guarantee submitted as a part of Earnest Money shall be valid for a period of six months or more from the date of submission of the tender.

The tender papers may be downloaded from NIT website (i.e. www.nitrkl.ac.in). However, payment of Rs.3,000/- (non-refundable) towards price of Tender Documents plus Rs.150/- towards VAT in the form of a separate Bank Draft of a Nationalized bank payable at Rourkela in favour of Director, National Institute of Technology, Rourkela shall be submitted along with EMD.

The prequalification shall be based on an objective evaluation of details regarding past performance in specific job areas, technical and financial capabilities and resources of the contractors including possession of appropriate equipment for the type of work etc. and with proven track record and will be evaluated by the NIT. Bidders are advised to enclose details of experience; status of Engineers employed and equipment at their disposal in each area of specialization. Bidders must make arrangement for inspection of their recent construction sites by NIT officials to ascertain their quality of construction.

The time of completion is firm, and penalty under liquidated damage clause will be charged for any delay in work.

The validity of the tender shall be 120 days from the date of opening of the bids.

The job may be awarded to two firms **at lowest finalized tender rate** in the proportion of 60:40.

Details including our prescribed format for prequalification, BOQ, General Conditions and Special Conditions of Contracts etc are available in our website at <http://www.nitrkl.ac.in/tender.asp>. **NIT reserves the right to qualify or deny prequalification of any or all applicants without assigning any reasons.**

(REGISTRAR)
NIT, Rourkela
Fax No- 0661-2462022
Ph. No -0661-2476773

CHECK LIST FOR PRE-QUALIFICATION

Forms to be filled in properly.

1. Form-A: This form (check list)
2. Form-B: Letter of Transmits
3. Form-C
4. Form-D
5. Photocopy of documents to be attached.
 - a) Valid license
 - b) Work orders executed of last 3 years.
 - c) Vat Clearance Certificate & PAN Card
 - d) Performance report from authority/officer having rank not below Executive Engineer with specific mention about the project components, scheduled and actual time of completion, final project value etc. to be submitted.
 - e) List of equipments in possession for road work.

(Signature of the Agency)

PRE-QUALIFICATION INFORMATION

LETTER OF TRANSMITTAL

(To be typed on the Agency's Letterhead)

To

THE REGISTRAR

**NATIONAL INSTITUTE OF TECHNOLOGY
ROURKELA-769008.**

**SUB: CONSTRUCTION OF NEW ROADS AND WIDENING OF EXISTING ROADS IN NIT,
ROURKELA (PHASE-IV).**

Sir,

Having examined the details of pre-qualification document, I hereby submit the pre-qualification documents and other relevant information.

1. I hereby certify that all the statements made and information supplied in the enclosed forms A to D and accompanying statements are true and correct to the best of my knowledge. I understand that if any information found incorrect, the application is liable to be cancelled.
2. I have furnished all information and details necessary for pre-qualification and have no further pertinent information to supply.
3. I certify that my firm is not **blacklisted/banned** from business by any organization.
4. I hereby accept the rules and procedures of the Institute for pre-qualification of Contractor and agree that the Institute has the right to accept or reject any application without assigning a reason thereto.

(Signature of the Agency)

NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA

APPLICATION FOR PRE-QUALIFICATION

1. **Name of Agency/Firm :-** _____
2. **Address:-** _____
3. **FAX/Telephone Number: -** _____
4. **Special Qualification for technical Person** _____
5. **Details of Registration** _____
6. **Volume of business in last three financial years.**
2010-11 Rs _____
2011-12 Rs _____
2012-13 Rs _____
7. **Important jobs executed in Govt./PSU including specifications, materials used etc.**
8. **Field of Specialization.**
9. **Valid Income Tax clearance certificate (ITCC).**
10. **Any other information regarding technical capability.**

(Signature of the Agency)

Annexure to application for pre-qualification

WORKS COMPLETED AND IN PROGRESS DURING THE LAST 3 YEARS (INCLUDING ALL WORKS AWARDED)

{ADD ADDITIONAL SHEETS, IF NECESSARY}

Sl. No.	Name of Work & Agreement No	Date of start	<u>Date of Completion</u>		Tendered Cost	Complete address of the Authority for whom the Work was done
			<u>Stipulated</u>	<u>Actual</u>		

PRICE BID

(To be submitted in the Letter Pad of firm)

To

The Registrar
National Institute of Technology
Rourkela – 769008.

SUB: CONSTRUCTION OF NEW ROADS IN NIT, ROURKELA (PHASE-IV).

Dear Sir,

We are hereby submitting the price bid for the above mentioned work.

Our quoted price is as given below from the Schedule A & B provided by NIT for the above mentioned work.

_____ % { _____ }
BELOW **(In words)**
(In figure)

OR

_____ % { _____ }
ABOVE **(In words)**
(In figure)

The same percentage will be applicable to all the items.

Signed in the capacity of duly authorized to sign tenders for and behalf of

Name of Firm

Signature

Name & Address **Telephone No.**
.....

..... **Mobile No.**
.....

Date:

SCHEDULE :B**NAME OF WORK: CONSTRUCTION OF NEW ROADS (PHASE IV) AT NIT, ROURKELA.****BT ROAD: Road no 6, Road no 2 & road no3 upto Road 6 , Road no 4 and
EARTH WORK AND WMM : Road no 8, balance peripheri road beyond Tower-2**

SL NO	ITEM & DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	Earth work in excavation of foundation of structures as per drawing & technical specification including setting out, construction of shoring and bracing, removal of stumps and other deleterious matters, dressing of side and bottom and back filling with approved material, complete as per direction of engineer incharge. All kind of soil including dewatering as per site condition & transportation of debris up to 1Km as per site.				
(a)	By manual / mechanical means depth up to 3m.	Cum.	49000.00	107.37	5261130.00
(b)	By manual / mechanical means depth 3m. To 6m.	Cum.	160.00	124.78	19964.80
2	Earth work in excavation of foundation of structures as per drawing and technical specification including setting out construction of shoring & bracing removal of stumps & other deleterious mater, dressing of sides & bottom & back filling with approved material complete as per direction of engineer In charge. Ordinary rock including dewatering as per site condition & transportation of debris up to 1Km as per site.				
(a)	By Mechanical means depth up to 3m.	Cum.	100.00	154.93	15493.00

3	Earth work excavation of foundation of structures as per drawing & technical specification, including setting out, construction of shoring and bracing, removal of stums & other deleterious matter, dressing of sides & bottom & back filling with approved material complete as per direction of Engineer In Charge. MARSHY SOIL including dewatering as per site condition & transportation of debris up to 1 km as per site By manual / mechanical means depth upto 3mtrs.	Cum.	40.00	232.75	9310.00
4	Carriage of excavated earth including loading & stacking as per the instruction of Engineer In Charge. Lead up to 1KM.	Cum.	100.00	41.00	4100.00
5	Filling available excavated earth (excluding rock in trenches plinth side of foundation etc inlayers not exceeding 20 cm in depth,consolidating deposited layers by ramming & watering lead up to 50m & lift upto 1.5m back filling in MARSHY foundation pits.	Cum.	160.00	167.49	26798.40
6	Suppling & filling in plinth with local river sand filling in foundation,trenches as per drawing & technical specification including watering ramming consolidating & dressing complete.	Cum.	200.00	334.96	66992.00
7	Providing & Laying in position Cement Concrete of specified grade excluding the cost of centering & shuttering all work up to plinth level.Plain cement concrete 1:3:6 normal mix in foundation with crushed stone aggregate 40mm normal size mechanically mixed placed in fondation & compacted by vibration including curing for 14 days.	Cum.	20.00	3591.76	71835.20
8	Providing &construction brick masonry work in cement motar 1:3 in foundation complete excluding pointing & plastering,as per drawing & technical specifications complete in all respect as per direction of engineer in charge.	Cum.	20.00	3488.67	69773.40

9	Providing & Laying in position reinforced/plain cement concrete of specified grade including the cost of centering & shuttering plain/reinforced cement concrete in open foundation complete as per drawing & technical specification. All work including required form work & shuttering & removal of the same complete by vibration including curing 14 days as per direction of engineer in charge up to foundation.				
(a)	P.C.C grades(1:2:4) nominal mix	Cum.	12.00	4509.28	54111.36
(b)	R.C.C grades M20 (1:1.5:3) nominal mix	Cum.	4.00	5112.48	20449.92
©	R.C.C grades M25 (1:1:2) nominal mix	Cum.	16.00	5568.22	89091.52
10	Supplying filling & placing uncoated HYSD bar reinforcement in foundation complete as per drawing & technical specification complete as per direction of Engineer-in-charge up to foundation (invert level of stream/nalla substructure) .	Kg	200.00	66.78	13356.00
11	Providing & laying in position reinforced/plain cement concrete of specified grade including the cost of centering & shuttering plain/reinforced cement concrete in open foundation complete as per drawing & technical specification. All work including required form work & shuttering & removal of the same complete by vibration including curing for 14 days as per direction of Engineer-in-charge up to ground level (invert level to embankment level.)				
(a)	R.C.C grades M20 (1:1.5:3) nominal mix upto 5m height from invert level.	Cum.	4.00	5407.43	21629.72
(b)	R.C.C grade M25 (1:1:2) nominal mix up to 5m height from invert level.	Cum.	4.00	5903.66	23614.64
12	Providing and construction brick masonry work in cement mortar 1:3 in foundation complete excluding pointing and plastering as per drainage & technical specifications complete in all respect as per direction of Engineer-in-charge upto ground level/invert level to embankment level & above	Cum.	28.00	3751.75	105049.00

13	Supplying, fitting & placing un coated HYSD bar reinforcement in foundation complete as per drawing & technical specification complete s per direction of engineer in charge up to ground level (invert level to emankment top level)	Kg.	200.00	60.70	12140.00
14	Providing 'Weep' holes in brick massony plain / reinforced cement concrete, abutment, wing wall / returned wall with 75 dia PVC pipe extending through the full width of the structure with slope of IV 20H to wards drawing force complition as per drawing & technical specification and direction of engineer incharge (Rate including, cutting, providing all materials) and refitting complete.	Nos.	40.00	247.29	9891.60
15	Providing & laying bouldern apron on river bed for protection against scour with store boulders weighing not less than 40kg each complete as per drawing and technical specification. Boulder laid Dry without wire crates .	Cum.	40.00	1817.23	72689.20
16	Brick work with F.P.S bricks of class designation 75 in Super structure above plinth levell upto V floor level in all shapes and size in Cement mortar 1:6 (1cement: 6 sand) (above plinth)	Cum.	8.00	3318.10	26544.80
17	15mm cement plaster finished with a floating coat of neat cement of mix 1:4 (1 cement: 4 Sand)	Sq.M	10.00	122.66	1226.60
18	15mm cement plaster of mix 1:6 (1 cement: 6 Sand)over rough side of half brickwork	Sq.M	20.00	84.69	1693.80
19	20mm cement plaster of mix 1:6 (1 cement: 6 Sand)	Sq.M	16.00	102.34	1637.44
20	White washing with KATNI lime to give an even shade				
	New work (Three or more coat	Sq.M	40.00	10.01	400.40
21	Providing & back filling behind abutment, wing wall & returnwall complete as per drawing & technical specification. Including ramming watering etc. all complete as per direction of Engineer in Charge(Rate including ,material, labour, transportation all)				

(a)	Granula materials (Morrum)	Cum.	40.00	306.55	12262.00
(b)	Granular Material (Sand)	Cum.	30.00	436.99	13109.70
22	Demolishing cement concrete manually/ by mechanical means including disposal of materials with in 50mtr lead as per direction of Engineer inCharge.				
	Cement concrete 1:3:6 or richer Mix	Cum	8.00	405.36	3242.88
23	Demolishing cement concrete manually/ by mechanical means including disposal of materials with in 50mtr lead as per direction of Engineer inCharge.				
	Cement concrete 1:4:8 or leanear Mix	Cum	2.00	249.75	499.50
24	Providing and laying non pressure NP2 class (light duty) R.C.C pipes with collars jointed with Stiff mixture of cement mortar in proportion of 1:2 (1 cement: 2 sand) including testing of joints etc complete				
	450mm dia R.C.C pipe	RM	20.00	1067.95	21359.00
	600mm dia R.C.C pipe	RM	24.00	1483.41	35601.84
	1000 mm dia R.C.C pipe	RM	40.00	3036.04	121441.60
	1200 mm dia R.C.C.hung pipe (NP3)	RM	40.00	4610.00	184400.00
25	Dry stone pitching on the sides of bank, roads for retaining of earth of minimum thickness of 300mm (Not Exceeding 30Cm in depth 1.5m in width but exceeding 10 Sq.M on Plan) on a bed of sand including filling joints with river sand complete as per direction of Engineer in charge including earth work sand all complete (work including all labour and materials). (measurement done on Sq.M)	Sq.M	1300.00	364.71	474123.00
26	Grass turving with doob or other type of grass on sloping portion of roads, embankment, channel etc including watering and maintenance of the turving 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 (cost of the good earth and other material such as sludge and dump manure and cost of labour included) including mixing and spreading of all materials at site.	Sq.M	2000.00	30.84	61680.00

27	Stone pitching on the side of bank, road for retaining of earth of minimum thickness of 300mm (not exceeding 30cm in depth 1.5m in width but exceeding 10sqm in plan) on a bed of cement mortar 1:4 including filling joints with cement mortar 1:4 (1cement & 4sand) complete as per direction of Engineer In Charge including earth work, cement mortar & sand all complete (work including all labour & materials) measurement will be on Sqm. basis.	Sq.M	40.00	502.89	20115.60
28	Providing & laying for admixing sand and morrum and laying subbase in shoulder in layers not exceeding 22.5cm watering and compacting to the required density in OMC with Prr including cost and conveyance of sub base materials and cost of all labours and hire charges of T&P required for work including cost, conveyance of all materials, taxes, cess, royalties, cost of all labour with T&P etc complete as per specification and direction of Engineer-In-charge.	Cum.	3200.00	383.06	1225792.00
29	Construction of granular sub-base by providing close graded Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per clause 401	Cum.	1596.00	1385.88	2211864.48
30	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.	Cum.	4010.00	1778.57	7132065.70

31	<p>Providing and laying dense graded bituminous macadam with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.0 to 4.5 per cent by weight of total 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.</p>	Cum.	694.00	7891.00	5476354.00
32	<p>Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder @ 4.5 to 5 per cent 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. 508 complete in all respects</p>	Cum.	350.00	8196.00	2868600.00
33	<p>Providing and applying primer coat with bitumen emulsion on prepared surface of granular Base including cleaning of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means.</p>	Sq.M	13920.00	33.92	472166.40
34	<p>Providing and applying tack coat with bitumen emulsion using emulsion pressure distributor at the rate of 0.20 kg per sqm on the prepared bituminous/granular surface cleaned with mechanical broom.</p>	Sq.M	13920.00	11.43	159105.60

35	Preparation & consolidation of sub grade with power road roller of 8-12 tonne capacity after excavating earth to an average of 22.5 cm depth, dressing to camber & consolidation with road roller including making good the undulation etc. and rerolling the subgrade & disposal of surplus earth & lead up to 50 metre .	Sq.M	42780.00	38.45	1644891.00
36	Construction of cement concrete kerb with top and bottom width 115 and 165 mm respectively, 250 mm high in M 20 grade PCC on M-10 grade foundation 150 mm thick. Foundation having 150 mm projection beyond kerb stone, kerb stone laid with kerb laying machine, foundation concrete laid manually, all complete as per clause 408	RM	7540.00	224.25	1690845.00
37	Painting lines, dashes, arrows etc on roads in two coats on new work with ready mixed road marking paint conforming to IS:164 on bituminous surface, including cleaning the surface of all dust, dirt and other foreign matter, demarcation at site and traffic control	Sq.M	951.15	86.80	82559.82
38	Providing and fixing of road stud 100x 100 mm, die-cast in aluminium, resistant to corrosive effect of salt and grit, fitted with lense reflectors, installed in concrete or asphaltic surface by drilling hole 30 mm upto a depth of 60 mm and bedded in a suitable bituminous grout or epoxy mortar, all as per BS 873 part 4:1973				
	Reflective Road studs (Cats eye)	Each	400.00	259.00	103600.00
	Solar Road studs with 6 lights (Solar powered road studs) (Solar cats Eye)	Each	400.00	450.00	180000.00
				TOTAL=	30194601.92