



Navsari Agricultural University

Eru Char Rasta, Navsari-396450, Gujarat

Construction of RCC Road [NAU/COA-RCRS-MSRS/2016-2017]

Tender can be downloaded and uploaded on www.nprocure.com	26/1/2017 to 15/02/2017 up to 18:00 Hrs.
Last date for submission of tender fee and EMD and documents.	17/02/2017 up to 17:00 Hrs.
Bid Validity Period	12 Months
Tender Fees	Rs.1500/-
Earnest Money Deposit (EMD)	As per Chapter 5 of Tender Document
Online Tender submission through	www.nprocure.com

4 Procurement Groups of Different road are required to be carried out in this tender. For, details of procurement group refer tender document.

The detail requirements, specifications of procurements and tender document will be published on website www.nau.in under tender section. If any future updates /corrigendum regarding tender will be there, it will be published in website www.nau.in / www.nprocure.com during tender period. Bidder can participate in this tender through www.nprocure.com only.

Principal, College of Agriculture, Bharuch



COA-Bharuch, RCRS-Bharuch and MSRS-Surat
Navsari Agricultural University, Navsari-396450, Gujarat

Tender Document

For

Construction of RCC Road

(NAU/COA-RCRS-MSRS/2016-2017)

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Chapter 1: Tender Notice - NAU/COA-RCRS-MSRS/2016-2017

Construction of RCC ROAD

[NAU/COA-RCRS-MSRS/2016-2017]

COA-Bharuch, RCRS-Bharuch and MSRS-Surat (Units of Navsari Agricultural University) is looking for the Construction of RCC Road. This NIT is published for the same.

Tender available for downloading and uploading on www.nprocure.com	26/1/2017 to 15/02/2017 up to 18:00 Hrs.
Last date for submission of tender fee and EMD and other documents.	17/02/2017 up to 17:00 Hrs.
Bid Validity Period	12 Months
Tender Fees	Rs. 1500/-
Earnest Money Deposit (EMD)	As per Chapter 5
Online Tendersubmission through	www.nprocure.com

The bidder who is looking to participate in this tender must bid for all procurement groups with all inquired items. Tender Fee and EMD are described under Chapter 5 in this document. Participation in this tender for all group is compulsory. Following groups of procurements are invited in this tender.

Procurements (Groups)
RCC road between Farmers Hostel, Bharuch to Staff Quarters, Bharuch
RCC road between Staff Quarters, Bharuch to Girl's Hostel and up to Class 4 Quarters, Bharuch
RCC road between Cotton Research Station Gate, Bharuch to Farmers Hostel, Bharuch
RCC road from Main Sorghum Research Station Farm Gate, Surat to Farm Area, Surat

The detail requirements, specifications of procurements and tender document will be published on website www.nau.in under tender section. If any future updates /corrigendum regarding tender will be there, it will be only published in website www.nau.in / www.nprocure.com during tender period. Bidder may check www.nau.in / www.nprocure.com periodically during tender period. Bidder can participate in this tender through www.nprocure.com only.

Principal, COAB, Bharuch

Chapter 2: Guidelines and Terms & conditions

:: શરતો ::

આર.સી.સી.રોડ માટે મટીરીયલ અને કરવાના કામોની મજૂરીમાટેનાભાવપત્રકની શરતો

૧. કામનો વર્કઓર્ડર / સુચના આપ્યે તુર્તજ કામ શરૂ કરવાનુંરહેશે, અને નિયતસમયમર્યાદામાંકામપુર્ણકરી રોડ સુપરત કરવાનો રહેશે.
૨. સરકારશ્રીના/ યુનિવર્સિટીનાવખતોવખત નિયમો ઠેકેદારને બંધનકર્તારહેશે.
૩. ભાવ મંજૂરથયેથી કામગીરી કરતી વખતે કરારનામુંકરવાનુંરહેશે તથા તેની તમામશરતો માન્યરાખવાની રહેશે.
૪. જે ઠેકેદારનાં ટેન્ડર મંજૂરકરવામાંઆવશે તેમની ભરેલી ડીપોઝીટ જમારાખવામાંઆવશે અને તે રકમ ટેન્ડરમુદતપુરી થયેથી, સમયમર્યાદામાં સંતોષકારકકામપુર્ણથયેથી પરતકરવામાંઆવશે, બાકીનાઈસમોની બાનાની ડીપોઝીટ ટેન્ડર મંજૂરથયેથી પરતકરવામાંઆવશે.
૫. આર.સી.સી.રોડ ટેન્ડરમાં દર્શાવેલ માપ જેટલોજ બનાવવાનો રહેશે. રોડ નું કામ અધિકૃતઅધિકારી/ઈજનેરશ્રી ની સુચના અને સુપરવિઝન હેઠળ કરવાનું રહેશે.દર્શાવેલ માપ થી વધારેરોડ નું ચુકવણું કરવામાં આવશે નહિ.
૬. ટેન્ડરમાંદર્શાવેલ આઈટમો નો જથ્થો એકદમ અંદાજીત છે. જેમાંવધ ઘટ થઈ શકશે અને જરૂર મુજબ જે તે માલ/મટીરીયલ ખરીદ કરવામાં આવશે આ બાબતે કોઈપણ પ્રકારનો વધારે ખરીદીનો હકક દાવો કરી શકાશે નહિ.
૭. ઠરાવેલ કામનુંચુકવણુંસરકારશ્રીમાંથી નાણાંની પ્રાપ્તિ થયેથી કરવામાંઆવશે. ચુકવણામાટે એજન્સીનોકોઈપણજાતની તકરારતથાનાણાંવ્યાજસાથે ચુકવવાની રજુઆત ધ્યાને લેવામાંઆવશે નહી, કે કોઈ વાંધો ગ્રાહ્યરહેશે નહી તેમજચુકવણું મોડુંથવાબાબતે કોઈ દાવો કરી શકાશે નહી.
૮. આર.સી.સી.રોડનું કામપુર્ણથયાપછી થયેલ કામમુજબનું બીલ ચારનકલમાં દિન-૭ માંરજુકરવાનુંરહેશે.
૯. થયેલ કરારનો કોઈપણસમયે કોઈપણકારણ આપ્યા વગર ૩ દિવસની નોટિસઆપી, અંત લાવવાનો યુનિવર્સિટીનેહકકઅબાધિત છે.
૧૦. ભાવો લેબર સેસ, સેલ ટેક્સ, સર્વીસ ચાર્જલાગુપડતાંસરકારી અન્ય પ્રકારનાતમામ વેરા સહિતનાભરવાનારહેશે. બીલમાંઅલગ ટેક્સ, સર્વીસ ચાર્જતથાલાગુપડતાંઅન્ય વેરાચુકવવામાંઆવશે નહી.
૧૧. રોયલ્ટી જે તે ઈજારદારે ચુકવવાની રહેશે અને તે અંગેનાપુરાવા / ન વાંધા પ્રમાણપત્રરજુકરવાનુંરહેશે.
૧૨. આકામગીરી માટે ઈજારદારે લેબર (રેગ્યુલેશન એન્ડ એબોલીશન) એક્ટ-૧૯૭૦ તથા તે હેઠળ ૧૯૭૨ નાગુજરાત નિયમોની જોગવાઈતથાકામદારવળતર અધિનિયમ-૧૯૨૩ તથા તે હેઠળના નિયમોની જોગવાઈઅનુસાર ઠેકેદારરોકેલ મજૂરોનાકાયદેસરના હિતોની રક્ષાકરવાની તેમજ પ્રસ્તુતકાયદા અને નિયમો હેઠળકરાયેલ સુવિધા / સગવડો ઉપલબ્ધ કરવાનો પ્રથમિક વૈધાનિકજવાબદારી મજૂરોને કામે રાખનાર જે તે ઈજારદારશ્રીની રહેશે, અને સઘળી જવાબદારી વળતર સહિતની ઈજારદારશ્રીની રહેશે.
૧૩. ભાવો ભરૂચ કેન્દ્ર તેમજ સુરત કેન્દ્ર ખાતે જે તે નકકી કરેલ સાઈટ ઉપર તમામ ટેક્સ, જકાત, લોડીંગ/અનલોડીંગ, માલસામાન તેમજ કરવાના કામોની મજૂરી ચાર્જ સહિતના આપવાના રહેશે.
૧૪. મંજૂર થયેલ ભાવો ૧ વર્ષ સુધી માન્ય રહેશે.
૧૫. શરતી ભાવ પત્રકો સ્વીકારવામાં આવશે નહિ.

૧૬. આ કામગીરી કરનાર ઠેકેદાર પાસે વેટ નંબર/ સર્વિસ ટેક્ષ નંબર / સેલટેક્ષ નંબર હોવો અનિવાર્ય છે. જેના પુરાવા આસાથે જોડવાના રહેશે. જેના વગર ઠેકેદારનું ટેન્ડર ગ્રાહ્ય રાખવામાં આવશે નહિ.
૧૭. ભાવ ભરનાર ઠેકેદારે ઈએમડી કામો માટે અલગ-અલગ રજૂ કરવાની રહેશે.
૧૮. કોઈ પણ ભાવો સ્વીકારવા અથવા તમામ ભાવો રદ કરવાનો અબાધિતઅધિકારનિયુક્ત સમિતિ પાસે રહેશે.
૧૯. ટેન્ડર ફી "ASSOCIATE PROFESSOR ,NAU,BHARUCH " ના નામની કાઢવાની રહેશે. ઈએમડી અને ટેન્ડર ફી વગરના ભાવ પત્રકો સ્વીકારવામાં આવશે નહિ.

SEAL & SIGNATURE OF BIDDER

Chapter 3: Bidder Information

1. Name of supplier / firm :
2. Complete postal address :
3. Telephone & Mobile Number :
4. FAX Number (if any) :
5. E-mail address :
6. RegistrationNo. :
7. VAT / TIN No. :
8. PAN No. :
9. Any other details:

We agree to abide by the terms and conditions of supply mentioned in this tender document.

Signature of Bidder
(With Stamp, Name & Designation)

Chapter 4: Technical Bid Document (Checklist Documents)

Sr.No.	Check List Documents	Remarks
1	Scan copy of Tender Fee(Non-Refundable).	Mandatory
2	Scan copy of EMD(Refundable): Demand Draft as applicable.	Mandatory
3	Scan copy of PAN Card.	Mandatory
4	Scan copy of Valid Registration Certificate of bidders firm. (Shop Act Registration / Partnership deed /Memorandum of article/Registration of firm / Small Scale Industry Registration).	Mandatory
5	Scan Copy of VAT Registration Certificate.	Mandatory
6	Scan copy of Last 3 Year Income Tax Returns of AssessmentYear 2014-15, 2015-16 and 2016-17.	Mandatory
7	Scan copy of Valid registration of E-2 Class &Above.	Mandatory

Chapter 5: Tender Fee, EMD and Submission Address

Tender Fee: Bidder has to submit nonrefundable Tender Fee Rs. 1500/- in the form of Bank Draft in favor of "Associate Professor, NAU, Bharuch", payable at Bharuch. Tender Fee is compulsory for tender participation, without which tenders will not be considered.

Earnest Money Deposit (EMD): Tender shall be accompanied by an earnest money, without which tenders will not be considered. There are 3 different EMD required to submit in this tender. Details of all EMD are described below.

Procurements (Groups)	DD in favor of	EMD (In Rs.)
RCC road between Farmers Hostel, Bharuch to Staff Quarters, Bharuch	Associate Professor, NAU, Bharuch	30,000
RCC road between Staff Quarters, Bharuch to Girl's Hostel and up to Class 4 Quarters, Bharuch		
RCC road between Cotton Research Station Gate, Bharuch to Farmers Hostel, Bharuch	Associate Research Scientist (Agri Botany), NAU, Bharuch	15,000
RCC road from Main Sorghum Research Station Farm Gate, Surat to Farm Area, Surat	Associate Research Scientist (Agro), MSRS, Surat	15,000

Refund of earnest money: The earnest money of unsuccessful Bidder will be refunded.

Forfeiture of earnest money: The earnest money will be forfeited in the following cases:

- When Bidder withdraws or modifies the offer after opening of tender.
- When the Bidder does not deposit the security money after the work/purchase order is given.

Security Deposit: Successful bidder shall deposit security/performance guarantee money (5% of purchase/work order)

Refund of Security Deposit: The amount of security deposit will be refunded after completion of warranty period / service contract.

Forfeiture of Security Deposit: The security deposit will be forfeited in the following cases:

- When works/services are not successfully executed as per requirement mentioned in the tender document.
- When successful bidder terminate the works/services in during execution period.
- When any issue raised in quality or services during warranty period

Tender Fee, EMD and Tender Submission Address:

Principal,
College of Agriculture,
Navsari Agricultural University, Bharuch Campus
Maktampur, Bharuch- 392012 (Gujarat)

Chapter 6: Instructions to bidders for Online Tender Participation

1. All tender documents can be downloaded free from the website <http://au.nprocure.com> or <http://www.nprocure.com>
2. All bids should be submitted online on the website <http://au.nprocure.com> or <http://www.nprocure.com>
3. All bids should be digitally signed. For the details regarding digital signature certificate and related training involved the below mentioned address should be contacted

(n)Code Solutions (A Division of GNFC Ltd.)
403, 4th Floor, GNFC InfoTower,
Bodakdev, Ahmedabad - 380054.
Gujarat, India.
Sales : (079) 4000 7323
Support : (079) 4000 7300
Email : dscsales@ncode.in
website: www.ncodesolutions.com

4. The user can get a copy of instructions to online participation from the website <http://au.nprocure.com> or <http://www.nprocure.com>
5. The service provider should register on the website through the "New User" link provided at the home page, the registration on the site should not be taken as registration or empanelment or any other form of registration with the tendering authority.
6. The application for training and issue of digital signature certificates should be made at least 72 hours in advance to the due date and time of tender submission.
7. For all queries regarding use of digital signature certificate should be addressed to M/s. (n)Code Solutions.
8. For all queries regarding tender specifications and any other clauses included in tender should be addressed to personnel in tendering office address provided below

Director IT,
ASPEE Agribusiness Management Institute,
Navsari Agricultural University,
Eru Char Rasta, Navsari- 396450 (Gujarat)
Email: dit@nau.in, Phone: 02637-282960

Chapter 7: Specification, Requirement and Scope of work for procurements

Procurements Group-1:RCC road between Farmers Hostel, Bharuch to Staff Quarters, Bharuch

Tender Item No.	Item Specification	Unit	Quantity
1	Labour charge -Box cutting road surface to proper slope and camber for marking a base for road work including removing the excavated stuff and depositing on the road side slope as directed upto 50mt.Lead.	Cu.m	179.00
2	Labour charge of Filling in foundation and plinth with murrum or selected soil in layers of 20cm thickness including watering ramming and consolidating etc.complete.(more than 10 ton.)	Cu.m	35.00
3	Labour Charge – Construction of granular sub-base by providing coarse graded B.T machine crushed material satisfying MOST spacification of grading I including spreading in uniform layer with motor grader on prepared surface mixing by mix in place method with rotavator roller to achieve the desired density etc.complete (B.T.materials 53.0 to 26.5 mm @ 35%,26.5 mm to 4.75 mm @ 45% and 2.36 mm below@ 20%)	Cu.m	79.60
4	Labour Charge – Rolling and consolidation of soiling including filling indepression which occur during the process with power roler 8 tonne to 12 tonne.	Cu.m	397.70
5	Labour Charge -Providing and laying CEMENT CONCRETE 1:4:8 (1 cement :4 Coarse sand : 8 hand broken stone aggregates 40mm nominal size) and curing complete excluding cost of form work in (A) Foundation and plinthetc. complete as directed by EIC	Cu.m	34.00
6	Labour Charge -Providing & laying ordinary CEMENT CONCRETE 1:1.5:3 (1 cement : 1.5 Coarse sand :3 stone aggregate 20mm nominal size kapchi) including the cost of necessary formwork,compacting with vibrator,curing , centering & shuttering in true line and level etc.but excluding cost of reinforcement in RCC work for any type of cross sectional area etc.complete as directed E.I.C.	Cu.m	34.00
7	Labour Charge -Providing & laying TMT Bar Fe-415 Reinforcement for R.C.C work including bending binding and placing in position with annealed wires.... etc. completed as directed by E.I.C. for all levels.	Kg.	1900.00
8	Labour Charge -Extra For finishing the plinth slab with VACCUM DEWATERING SYSTEM popularly known as trimixvaccum dewatering equipment and finishing with mechanical floater to give even finish and smooth surface including providing joints with bitumen and mixer etc.comp. by E.I.C.	Smt	339.50
9	Labour Charge - Providing and laying and fixing 25mm thick Expansion joint by hydro cell semi rigid UV resistance with high performance laminated closed cell polythene foam joint filler in sheet foam as directed etc.complete.	Smt	6.40
10	Labour Charge -Supplying and lying reinforced concrete non-pressure pipes with collars for culverts including setting pipes with collars for culverts including setting and joining the pipes in CM 1:2 watering and laying (to level or slope) I.S. class NP-2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete (i) 300mm Dia. (more than 10ton)	Rmt	50.00

For all above items (1 to 10) Contractor has to submit rate including all the taxes and cess (including Labourcess). During the bill labourcess will be deducted and after which the payment will be made.

Tender Item No.	Item Specification	Unit	Quantity
11	Murrum	Cmt	50.00
12	G.S.B	Cmt	80.00
13	Aggregate 20mm	Cmt	46.00
14	Aggregate 40mm	Cmt	52.00
15	Sand	Cmt	50.00
16	Cement OPC 53 grade	Bag	400
17	TMT 8.0 mm ISI mark	Kg	1900.00
18	Binding Wire of 18 gauge thick annealed iron	Kg	50.00
19	R.C.C Pipe 300 mm dia NP2 with collar	Rmt	50.00

For all above items (11 to 19) Contractor has to submit rate including all the taxes.

Procurements Group-2:RCC road between Staff Quarters, Bharuch to Girl's Hostel and to Class 4 Quarters, Bharuch

Tender Item No.	Item Specification	Unit	Quantity
1	Labour charge -Box cutting road surface to proper slope and camber for marking a base for road work including removing the excavated stuff and depositing on the road side slope as directed upto 50mt.Lead.	Cu.m	179.00
2	Labour charge of Filling in foundation and plinth with murrum or selected soil in layers of 20cm thickness including watering ramming and consolidating etc. complete.(more than 10 ton.)	Cu.m	35.00
3	Labour Charge – Construction of granular sub-base by providing coarse graded B.T machine crushed material satisfying MOST spacification of grading I including spreading in uniform layer with motor grader on prepared surface mixing by mix in place method with rotavator roller to achieve the desired density etc. complete (B.T. materials 53.0 to 26.5 mm @ 35%,26.5 mm to 4.75 mm @ 45% and 2.36 mm below@ 20%)	Cu.m	79.60
4	Labour Charge – Rolling and consolidation of soiling including filling indepression which occur during the process with power roler 8 tonne to 12 tonne.	Cu.m	397.70
5	Labour Charge -Providing and laying CEMENT CONCRETE 1:4:8 (1 cement :4 Coarse sand : 8 hand broken stone aggregates 40mm nominal size) and curing complete excluding cost of form work in (A) Foundation and plinthetc. complete as directed by EIC	Cu.m	34.00
6	Labour Charge - Providing & laying ordinary CEMENT CONCRETE 1:1.5:3 (1 cement : 1.5 Coarse sand :3 stone aggregate 20mm nominal size kapchi) including the cost of necessary formwork, compacting with vibrator, curing , centering & shuttering in true line and level etc. but excluding cost of reinforcement in RCC work for any type of cross sectional area etc. complete as directed E.I.C.	Cu.m	34.00
7	Labour Charge -Providing & laying TMT Bar Fe-415 Reinforcement for R.C.C work including bending binding and placing in position with annealed wires.... etc. completed as directed by E.I.C. for all levels.	Kg.	1900.00
8	Labour Charge -Extra For finishing the plinth slab with VACCUM DEWATERING SYSTEM popularly known as trimixvaccum dewatering equipment and finishing with mechanical floater to give even finish and smooth surface including providing joints with bitumen and mixer etc. comp. by E.I.C.	Smt	339.50
9	Labour Charge - Providing and laying and fixing 25mm thick	Smt	6.40

	Expansion joint by hydro cell semi rigid UV resistance with high performance laminated closed cell polythene foam joint filler in sheet foam as directed etc. complete.		
10	Labour Charge -Supplying and lying reinforced concrete non-pressure pipes with collars for culverts including setting pipes with collars for culverts including setting and joining the pipes in CM 1:2 watering and laying (to level or slope) I.S. class NP-2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete (i) 300mm Dia. (more than 10ton)	Rmt	50.00

For all above items (1 to 10) Contractor has to submit rate including all the taxes and cess (including Labourcess). During the bill labourcess will be deducted and after which the payment will be made.

Tender Item No.	Item Specification	Unit	Quantity
11	Murrum	Cmt	50.00
12	G.S.B	Cmt	80.00
13	Aggregate 20mm	Cmt	46.00
14	Aggregate 40mm	Cmt	52.00
15	Sand	Cmt	50.00
16	Cement OPC 53 grade	Bag	400
17	TMT 8.0 mm ISI mark	Kg	1900.00
18	Binding Wire of 18 gauge thick annealed iron	Kg	50.00
19	R.C.C Pipe 300 mm dia NP2 with collar	Rmt	50.00

For all above items (11 to 19) Contractor has to submit rate including all the taxes.

Procurements Group-3:RCC road between Cotton Research Station Gate, Bharuch to Farmers Hostel, Bharuch

Tender Item No.	Item Specification	Unit	Quantity
1	Labour charge -Box cutting road surface to proper slope and camber for marking a base for road work including removing the excavated stuff and depositing on the road side slope as directed upto 50mt.Lead.	Cu.m	179.00
2	Labour charge of Filling in foundation and plinth with murrum or selected soil in layers of 20cm thickness including watering ramming and consolidating etc. complete.(more than 10 ton.)	Cu.m	35.00
3	Labour Charge – Construction of granular sub-base by providing coarse graded B.T machine crushed material satisfying MOST spacification of grading I including spreading in uniform layer with motor grader on prepared surface mixing by mix in place method with rotavator roller to achieve the desired density etc. complete (B.T. materials 53.0 to 26.5 mm @ 35%,26.5 mm to 4.75 mm @ 45% and 2.36 mm below@ 20%)	Cu.m	79.60
4	Labour Charge – Rolling and consolidation of soiling including filling indepression which occur during the process with power roler 8 tonne to 12 tonne.	Cu.m	397.70
5	Labour Charge -Providing and laying CEMENT CONCRETE 1:4:8 (1 cement :4 Coarse sand : 8 hand broken stone aggregates 40mm nominal size) and curing complete excluding cost of form work in (A) Foundation and plinthetc. complete as directed by EIC	Cu.m	34.00
6	Labour Charge - Providing & laying ordinary CEMENT CONCRETE 1:1.5:3 (1 cement : 1.5 Coarse sand :3 stone aggregate 20mm	Cu.m	34.00

	nominal size kapchi) including the cost of necessary formwork, compacting with vibrator, curing , centering & shuttering in true line and level etc. but excluding cost of reinforcement in RCC work for any type of cross sectional area etc. complete as directed E.I.C.		
7	Labour Charge -Providing & laying TMT Bar Fe-415 Reinforcement for R.C.C work including bending binding and placing in position with annealed wires.... etc. completed as directed by E.I.C. for all levels.	Kg.	1900.00
8	Labour Charge -Extra For finishing the plinth slab with VACCUM DEWATERING SYSTEM popularly known as trimixvaccum dewatering equipment and finishing with mechanical floater to give even finish and smooth surface including providing joints with bitumen and mixer etc. comp. by E.I.C.	Smt	339.50
9	Labour Charge - Providing and laying and fixing 25mm thick Expansion joint by hydro cell semi rigid UV resistance with high performance laminated closed cell polythene foam joint filler in sheet foam as directed etc. complete.	Smt	6.40
10	Labour Charge -Supplying and lying reinforced concrete non-pressure pipes with collars for culverts including setting pipes with collars for culverts including setting and joining the pipes in CM 1:2 watering and laying (to level or slope) I.S. class NP-2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete (i) 300mm Dia. (more than 10ton)	Rmt	50.00

For all above items (1 to 10) Contractor has to submit rate including all the taxes and cess (including Labourcess). During the bill labourcess will be deducted and after which the payment will be made.

Tender Item No.	Item Specification	Unit	Quantity
11	Murrum	Cmt	50.00
12	G.S.B	Cmt	80.00
13	Aggregate 20mm	Cmt	46.00
14	Aggregate 40mm	Cmt	52.00
15	Sand	Cmt	50.00
16	Cement OPC 53 grade	Bag	400
17	TMT 8.0 mm ISI mark	Kg	1900.00
18	Binding Wire of 18 gauge thick annealed iron	Kg	50.00
19	R.C.C Pipe 300 mm dia NP2 with collar	Rmt	50.00

For all above items (11 to 19) Contractor has to submit rate including all the taxes.

Procurements Group-4:RCC road from Main Sorghum Research Station Farm Gate, Surat to Farm Area, Surat

Tender Item No.	Item Specification	Unit	Quantity
1	Labour charge -Box cutting road surface to proper slope and camber for marking a base for road work including removing the excavated stuff and depositing on the road side slope as directed upto 50mt.Lead.	Cu.m	179.00
2	Labour charge of Filling in foundation and plinth with murrum or selected soil in layers of 20cm thickness including watering ramming and consolidating etc. complete.(more than 10 ton.)	Cu.m	35.00
3	Labour Charge – Construction of granular sub-base by providing coarse graded B.T machine crushed material satisfying MOST spacification of grading I including spreading in uniform layer with	Cu.m	79.60

	motor grader on prepared surface mixing by mix in place method with rotavator roller to achieve the desired density etc. complete (B.T. materials 53.0 to 26.5 mm @ 35%,26.5 mm to 4.75 mm @ 45% and 2.36 mm below@ 20%)		
4	Labour Charge – Rolling and consolidation of soiling including filling indepression which occur during the process with power roler 8 tonne to 12 tonne.	Cu.m	397.70
5	Labour Charge -Providing and laying CEMENT CONCRETE 1:4:8 (1 cement :4 Coarse sand : 8 hand broken stone aggregates 40mm nominal size) and curing complete excluding cost of form work in (A) Foundation and plinthetc. complete as directed by EIC	Cu.m	34.00
6	Labour Charge - Providing & laying ordinary CEMENT CONCRETE 1:1.5:3 (1 cement : 1.5 Coarse sand :3 stone aggregate 20mm nominal size kapchi) including the cost of necessary formwork, compacting with vibrator, curing , centering & shuttering in true line and level etc. but excluding cost of reinforcement in RCC work for any type of cross sectional area etc. complete as directed E.I.C.	Cu.m	34.00
7	Labour Charge -Providing & laying TMT Bar Fe-415 Reinforcement for R.C.C work including bending binding and placing in position with annealed wires.... etc. completed as directed by E.I.C. for all levels.	Kg.	1900.00
8	Labour Charge -Extra For finishing the plinth slab with VACCUM DEWATERING SYSTEM popularly known as trimixvaccum dewatering equipment and finishing with mechanical floater to give even finish and smooth surface including providing joints with bitumen and mixer etc. comp. by E.I.C.	Smt	339.50
9	Labour Charge - Providing and laying and fixing 25mm thick Expansion joint by hydro cell semi rigid UV resistance with high performance laminated closed cell polythene foam joint filler in sheet foam as directed etc. complete.	Smt	6.40
10	Labour Charge -Supplying and lying reinforced concrete non-pressure pipes with collars for culverts including setting pipes with collars for culverts including setting and joining the pipes in CM 1:2 watering and laying (to level or slope) I.S. class NP-2 of the following internal diameter with collars and butt ends prepared for collar joints including testing of joints complete (i) 300mm Dia. (more than 10ton)	Rmt	50.00

For all above items (1 to 10) Contractor has to submit rate including all the taxes and cess (including Labourcess). During the bill labourcess will be deducted and after which the payment will be made.

Tender Item No.	Item Specification	Unit	Quantity
11	Murrum	Cmt	50.00
12	G.S.B	Cmt	80.00
13	Aggregate 20mm	Cmt	46.00
14	Aggregate 40mm	Cmt	52.00
15	Sand	Cmt	50.00
16	Cement OPC 53 grade	Bag	400
17	TMT 8.0 mm ISI mark	Kg	1900.00
18	Binding Wire of 18 gauge thick annealed iron	Kg	50.00
19	R.C.C Pipe 300 mm dia NP2 with collar	Rmt	50.00

For all above items (11 to 19) Contractor has to submit rate including all the taxes.