



## बीकानेर नगर निगम

नगर निगम मार्ग, बीकानेर (राजस्थान) फैंक्स :- 0151-2226906, फोन :- 0151-2226902, 0151-2226905  
E-Mail Address :- nagarnigambikaner@gmail.com, Web Site :- www.bikanermc.org

क्रमांक / निर्माण / 2021-22 / 4288-4290

दिनांक 03/08/21

ई- निविदा-सूचना सं0 35/2021-22

नगर निगम बीकानेर की ओर से विभिन्न कार्यों (कुल 01 कार्य) के लिये केन्द्र व राज्य सरकार के अभियांत्रिकी विभागों में "एए", "ए" श्रेणी में पंजीकृत संवेदको एवं नगर निगम में उपर्युक्त श्रेणी में पंजीकृत निविदादाताओं से निर्धारित प्रपत्र में ई-प्रोक्यूरमेंट प्रक्रिया से ऑन लाईन निविदाएं आमंत्रित की जाती है। निविदा से सम्बन्धित विवरण वेब साईट [www.bikanermc.org](http://www.bikanermc.org) Web site [www.SPPP.raj.nic.in](http://www.SPPP.raj.nic.in) से व <http://eproc.rajasthan.gov.in> पर देखा जा सकता है।

निविदा की कुल लागत :-92.42 लाख

401

आयुक्त

नगर निगम, बीकानेर

दिनांक 03/08/21

क्रमांक / निर्माण / 2021-22 / 4288-90

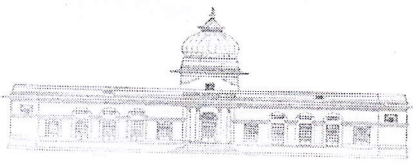
प्रतिलिपि :-

1. श्रीमान् निदेशक, जनसम्पर्क एवं प्रकाशन विभाग, राजस्थान संवाद जयपुर को प्रेषित कर लेख है कि उपरोक्त निविदा का प्रकाशन कम से कम स्पेस में राज्य सरकार की प्रकाशन नीति के अनुरूप एक मुख्य क्षेत्रीय दैनिक समाचार पत्र, एक मुख्य राज्य स्तरी दैनिक समाचार पत्र में प्रकाशन करावें।

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आयुक्त

नगर निगम, बीकानेर



# बीकानेर नगर निगम

नगर निगम मार्ग, बीकानेर (राजस्थान) फ़ैक्स :- 0151-2226906, फ़ोन :- 0151-2226902, 0151-2226905  
E-Mail Address :- nagarnigambikaner@gmail.com, Web Site :- www.bikanermc.org

क्रमांक/निर्माण/2021-22/

दिनांक .....

## ई- निविदा-सूचना सं० 35/2021-22

नगर निगम बीकानेर की ओर से निम्नलिखित कार्यों के लिये केन्द्र व राज्य सरकार के अभियांत्रिकी विभागों में "एरे", "ए" श्रेणी में पंजीकृत संवेदको एवं नगर निगम में उपर्युक्त श्रेणी में पंजीकृत निविदादाताओं से निर्धारित प्रपत्र में ई-प्रोक्यूमेंट प्रक्रिया से ऑन लाईन निविदाएं आमंत्रित की जाती है। निविदा से सम्बन्धित विवरण वेबसाइट [www.bikanermc.org](http://www.bikanermc.org) Website [www.SPPP.raj.nic.in](http://www.SPPP.raj.nic.in) से व <http://eproc.rajasthan.gov.in> पर देखा जा सकता है।

निविदा कार्य :	1	के०ई०एम० रोड प्रेम जी पोईट से चिल्ड्रन पार्क होते हुए पब्लिक पार्क पम्पिंग स्टेशन तक नई सीवर लाईन का कार्य।	92.42 लाख
निविदा की कुल लागत	:	92.42 लाख	
ऑनलाईन निविदा फार्म मिलने की तिथि	:	06/08/2021 09.30 बजे से 16/08/2021 18:00 बजे तक	
ऑनलाईन निविदा फार्म जमा कराने की तारीख	:	06/08/2021 09.30 बजे से 16/08/2021 18:00 बजे तक	
ऑनलाईन निविदा खोलने की तिथि	:	17/08/2021 को 17.00 बजे	

इच्छुक संवेदको को अपने डिजिटल हस्ताक्षर के माध्यम से वेब साईट <http://eproc.rajasthan.gov.in> पर रजिस्टर्ड होना आवश्यक है।

क्रमांक/निर्माण/2021-22/ 4288-70  
प्रतिलिपि :-

1. श्रीमान् महापौर महोदया, नगर निगम, बीकानेर।
2. सुरक्षित पत्रावली।

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आयुक्त

नगर निगम, बीकानेर

दिनांक 03/08/21

401

आयुक्त

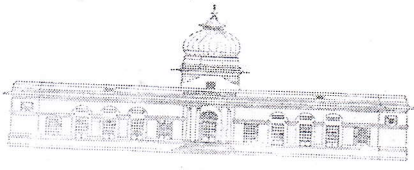
नगर निगम, बीकानेर

ई-निविदा-सूचना सं0 35/2021-22

निविदा कार्य :	1	के0ई0एम0 रोड प्रेम जी पोईंट से चिल्ड्रन पार्क होते हुए पब्लिक पार्क पम्पिंग स्टेशन तक नई सीवर लाईन का कार्य। 92.42 लाख
निविदा की कुल लागत	:	92.42 लाख
ऑनलाईन निविदा फार्म मिलने की तिथि	:	06/08/2021.. 09.30 बजे से 16/08/2021.. 18:00 बजे तक
ऑनलाईन निविदा फार्म जमा कराने की तारीख	:	06/08/2021.. 09.30 बजे से 16/08/2021.. 18:00 बजे तक
ऑनलाईन निविदा खोलने की तिथि	:	17/08/2021.. को 17.00 बजे

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आयुक्त  
नगर निगम, बीकानेर



(वेबसाइट पर अपलोड हेतु)

## बीकानेर नगर निगम

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क्रमांक/निर्माण/2021-22/ ५२४४

दिनांक ०९/०८/२१

ई- निविदा-सूचना सं० ३५/२०२१-२२

नगर निगम बीकानेर की ओर से निम्नलिखित कार्यों के लिये केन्द्र व राज्य सरकार के अभियांत्रिकी विभागों में "ऐऐ", "ऐ" श्रेणी में पंजीकृत संवेदको एवं नगर निगम में उपर्युक्त श्रेणी में पंजीकृत निविदादाताओं से निर्धारित प्रपत्र में ई-प्रोक्यूमेंट प्रक्रिया से ऑन लाईन निविदाएं आमंत्रित की जाती है। निविदा से सम्बन्धित विवरण वेबसाइट [www.bikanermc.org](http://www.bikanermc.org) Website [www.SPPP.raj.nic.in](http://www.SPPP.raj.nic.in) से व <http://eproc.rajasthan.gov.in> पर देखा जा सकता है।

जिला	कार्य/पैकेज का नाम	अनुमानित लागत (लाखों में)	कार्य की अवधि
बीकानेर	के०ई०एम० रोड़ प्रेम जी पोईंट से चिल्ड्रन पार्क होते हुए पब्लिक पार्क पम्पिंग स्टेशन तक नई सीवर लाईन का कार्य।	92.42	6 माह

निविदा प्रपत्रों को वेब साइट <http://eproc.rajasthan.gov.in> से डाउनलोड किया जा सकता है। इन निविदाओं में भाग लेने वाले संवेदक निविदा को इलेक्ट्रॉनिक फारमेट में वेबसाइट <http://eproc.rajasthan.gov.in> पर अपलोड करावें।

नोट :- स्थानीय निकाय विभाग जयपुर के अन्तर्गत में रजिस्टर्ड फर्म एवं नगर निगम बीकानेर संभाग में रजिस्टर्ड एवं अन्य विभागों के ऐ ऐ एवं ऐऐ क्लास में पंजीकृत संवेदक निविदा में भाग ले सकते हैं।


५०१  
आयुक्त  
नगर निगम, बीकानेर



## निविदा शर्तें

1. नगर निगम बीकानेर एवं स्थानीय निकाय विभाग जयपुर के अन्तर्गत उपर्युक्त श्रेणी में रजिस्टर्ड फर्म अन्य विभागों के "एए" अथवा "ए" श्रेणी के संवेदक निविदा में भाग ले सकते हैं।
  2. निविदा प्रपत्रों हेतु डाउनलोड की अवधि 06/08/2021 09.30 बजे से 16/08/2021 18:00 बजे तक होगी।
  3. (अ) निविदा प्रपत्र फॉरमेट में वेबसाइट <http://eproc.rajasthan.gov.in> पर 06/08/2021 09.30 बजे से 16/08/2021 18:00 बजे तक जमा करवाये जा सकते हैं एवं प्राप्त निविदाएं, इलैक्ट्रॉनिक फॉरमेट में वेबसाइट <http://eproc.rajasthan.gov.in> पर अधिशाषी अभियंता, नगर निगम, बीकानेर निर्माण अनुभाग में 17/08/2021 को 17:00 बजे बाद खोली जावेगी।  
(ब) इलैक्ट्रॉनिक निविदा प्रक्रिया में प्रीबीड मीटिंग का प्रावधान नहीं है।
  5. अधिशाषी अभियंता, नगर निगम, बीकानेर निर्माण अनुभाग कार्यालय में संवेदक द्वारा 06/08/2021 09.30 बजे से 16/08/2021 18:00 बजे तक किसी भी कार्य दिवस में निविदा प्रपत्र को देखा जा सकता है। निविदा प्रपत्रों में निविदाकर्ता के लिये योग्यता सूचना तथा निविदाकर्ता की पात्रता, प्लान, स्पेसिफिकेशन, ड्राईंग विभिन्न कार्यों की मात्रा एवं दरों का विवरण, नियम, शर्तें एवं अन्य विवरण वर्णित है।
  6. निविदा खोलने की दिनांक से 90 दिवस तक निविदा स्वीकृति हेतु मान्य रहेगी। यदि निविदाकर्ता उस अवधि में अपनी निविदा अथवा शर्तों में किसी प्रकार का संशोधन करता है अथवा अपनी निविदा वापस ले लेता है तो उसकी धरोहर राशि जब्त कर ली जावेगी।
  7. किसी भी निविदा को स्वीकार करने एवं बिना कारण बताये निरस्त करने के समस्त अधिकार सक्षम अधिकारी के पास सुरक्षित है आरपीडब्ल्यू ए-100 की समस्त शर्तें मान्य होगी।
  8. 10 लाख या अधिक लागत के कार्यों की Defect Liability Period 05 वर्ष का होगा।
  9. निविदा शुल्क निम्नानुसार निर्धारित है :-
- | कार्य की अनुमानित राशि (लाखों में) | शुल्क                      |
|------------------------------------|----------------------------|
| नाम                                | आयुक्त, नगर निगम, बीकानेर। |
| 10 लाख तक                          | 500 / -                    |
| 10 लाख से अधिक                     | 1000 / -                   |
10. प्रोसेसिंग फीस निम्नानुसार निर्धारित है :-
- | कार्य की अनुमानित राशि (लाखों में) | शुल्क                           |
|------------------------------------|---------------------------------|
| नाम                                | Managing Director, RISL, Jaipur |
| 50 लाख तक                          | 500 / -                         |
| 50 लाख से अधिक                     | 1000 / -                        |
11. निविदा शुल्क, प्रोसेसिंग फीस के भुगतान की प्रक्रिया ऑनलाईन ही होगी।
  12. वित्त(सामान्य वित्तीय एवं लेखा नियम) विभाग के परिपत्र क्रमांक एफ.2(1)वित्त/ जीएण्डटी-एसपीएफसी/2017 जयपुर दिनांक 23.12.2020 के क्रम में बिड सिक्यूरिटी के स्थान पर बिड सिक्यूरिटी के सम्बंध में घोषणा पत्र (Declaration) प्राप्त करने का प्रावधान किया गया है। अतः संवेदको/फर्मों द्वारा बिड सिक्यूरिटी के स्थान पर 50/- रुपये के राजस्थान राज्य के स्टाम्प पर संलग्न घोषणा पत्र निविदा में अपलोड करना अनिवार्य है। जिसे निगम कार्यालय में निविदा स्वीकृत पश्चात् जमा करवाया जाना आवश्यक होगा।
  13. निविदा हेतु ऑनलाईन भुगतान नगर निगम की वेबसाइट [www.bikanermc.org](http://www.bikanermc.org) पर PAY ONLINE ऑप्शन पर होगा।

14. ऑनलाईन भुगतान हेतु संवेदक को नगर निगम की वेबसाईट [www.bikanermc.org](http://www.bikanermc.org) पर **PAY ONLINE** पर भुगतान किये जाने के पश्चात् भुगतान रसीद, फर्म के रजिस्ट्रेशन की प्रति एवं फर्म का जी0एस0टी0 प्रमाण पत्र को ऑनलाईन साईट <http://eproc.rajasthan.gov.in> पर अपलोड करना अनिवार्य होगा।
15. ऑनलाईन पेमेंट भुगतान के अतिरिक्त किसी अन्य तरीके के भुगतान करने वाली निविदा पर विचार नहीं किया जावेगा।
16. निविदा शुल्क, प्रोसेसिंग शुल्क Non Refundable होगा।
17. निर्धारित शुल्क से कम भुगतान करने वाली निविदा पर विचार नहीं किया जावेगा।
18. किसी टंकणीय त्रुटि के कारण का के जी अनुसूची की विभिन्न इकाई की दरे सम्बंधित एस0ओ0आर0/बी0एस0आर0 की दरें मानी जावेगी।
19. निविदा प्रपत्र 02 कवर में होगा। यदि संवेदक द्वारा निविदा प्रपत्र अनुसार निविदा अपलोड करते समय वांछित प्रपत्र संलग्न नहीं किये जाते हैं तो उस निविदा पर विचार नहीं किया जावेगा।
20. ई- टेन्डरिंग के लिये निविदादाता हेतु निर्देश :-
  - अ - इन निविदाओं में इच्छुक निविदादाता निविदा प्रपत्रों का इन्टरनेट साईट <http://eproc.rajasthan.gov.in> से डाउनलोड कर सकते हैं।
  - ब - निविदाओं में भाग लेने वाले निविदादाताओं को इन्टरनेट साईट <http://eproc.rajasthan.gov.in> पर रजिस्टर करवाना होगा। ऑनलाईन निविदा में भाग लेने के लिये डिजिटल सर्टिफिकेट टेक्नोलॉजी एक्ट 2000 के तहत प्राप्त करना होगा जो इलेक्ट्रॉनिक निविदा में साईन करने हेतु काम आयेगा। निविदादाता उपरोक्त डिजिटल सर्टिफिकेट सी सी ए द्वारा स्वीकृत एजेन्सी से प्राप्त कर सकते हैं। जिन निविदादाताओं के पास पूर्व में वैध डिजिटल सर्टिफिकेट है, नया डिजिटल सर्टिफिकेट लेने की आवश्यकता नहीं है।
  - स- निविदादाताओं को निविदा प्रपत्र इलेक्ट्रॉनिक फॉर्मेट में उपरोक्त वेबसाईट पर डिजिटल साईन के साथ प्रस्तुत करना होगा। जिसके प्रस्ताव डिजिटल साईन के साथ नहीं होंगे, उनके प्रस्ताव स्वीकार नहीं किये जायेंगे। कोई भी प्रस्ताव अकेले भौतिक फर्म में स्वीकार्य नहीं होगा।
  - द- ऑन लाईन निविदाएं निर्धारित दिनांक एवं समय पर उपरोक्त क्रम संख्या - 3 के अनुसार खोली जायेगी।
  - य - इलेक्ट्रॉनिक निविदा प्रपत्रों को जमा कराने से पूर्व निविदादाता यह सुनिश्चित कर लेवे कि निविदा प्रपत्रों से संबंधित सभी आवश्यक दस्तावेजों की स्कैन कॉपी निविदा प्रपत्रों के साथ अटैच कर दी गयी है।
  - र - कोई भी टेंडर इलेक्ट्रॉनिक जमा कराने में किसी कारण विलम्ब हो जाता है तो उसका जिम्मेदार विभाग नहीं होगा।
  - ल - टेंडर के प्रपत्रों में आवश्यक सभी सूचियों को सम्पूर्ण रूप से भरकर ऑनलाईन दर्ज करें।

  
आयुक्त  
नगर निगम, बीकानेर



## Form of Bid-Securing Declaration

Date :

Bid No. :

Alternative No. :

To :  
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We, the undersigned, declare that:

We understand that, according to your conditions, bids must be supported by a Bid-Securing Declaration.

We accept that we are required to pay the bid security amount specified in the Term and Condition of Bid, in the following cases, namely :-

- (a) when we withdraw or modify our bid after opening of bids;
- (b) when we do not execute the agreement, if any, after placement of supply/work order within the specified period;
- (c) when we fail to commence the supply of the goods or service or execute work as per supply/work order within the time specified;
- (d) when we do not deposit the performance security within specified period after the supply/work order is placed; and
- (e) if we breach any provision of code of integrity prescribed for bidding specified in the Act and Chapter VI of these rules.

In addition to above, the State Government shall debar us from participating in any procurement process undertaken for a period not exceeding three years in case where the entire bid security or any part thereof is required to be forfeited by procuring entity.

We understand this Bid Securing Declaration shall expire if :-

- (i) we are not the successful Bidder;
- (ii) the execution of agreement for procurement and performance security is furnished by us in case we are successful bidder;
- (iii) thirty days after the expiration of our Bid.
- (iv) the cancellation of the procurement process; or
- (v) the withdrawal of bid prior to the deadline for presenting bids, unless the bidding documents stipulate that no such withdrawal is permitted.

Signed :-----

Name :-----

In the capacity of :-----

Duly authorized to sign the bid for and on behalf of :

Dated on       day of

Corporate Seal -----

[Note: In case of a Joint Venture, the Bid Securing Declaration must be signed in name of all partners of the Joint Venture that is submitting the bid.]



NIT No. 35 Work No. 01

**Municipal Corporation , Bikaner.**

**Name of Work :-** के०ई०एम० रोड प्रेम जी पोईंट से चिल्ड्रन पार्क होते हुए पब्लिक पार्क पम्पिंग स्टेशन तक नई सीवर लाईन का कार्य।

**Name of Contractor :-** .....

Date of Sales : 06.08.2021 to 16.08.2021		Date of Opening : 17.08.2021	
Tender Cost Rs 9242000/-		Earnest Money Rs. stamp	
Tender Fess :1000/-			
Earnest Money Cheque Draft No. :		Date :	
Earnest Money M.C.B. Receipt No. :		Date :	
Earnest Fees M.C.B. Receipt No. :		Date :	

**"G" Schdule**

S. No.	Item Code	Item	Qty.	Unit	Rate	Amount
1.	2.9.1	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 50 metres as directed by Engineer. Bituminious Course	450.00	Cum	296.00	133200.00
2.	2.9.2	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 50 metres as directed by Engineer. Granular Course	678.00	Cum	206.00	139668.00
3.	SOR 2017 17.1.1.1	Earth work for Sewer line and Manhole in excavation in foundation, trenches manholes, road side chambers etc. including dressing of sides and ramming of bottoms, including getting out the excavated material, refilling after laying pipe/ foundation and disposal of surplus excavated material at a lead upto 50m suitable site as per direction of Engineer for following depths, below natural ground / Road top level including allowances for any additional excavation beyond the drawings (measurement for payment to be as per standard drawings), re-handling of material/earth to complete the task. In all types soils/ saturated soil such as moorum, sand, sandy silt, clay, black cotton soil, kankar, etc. Depth up to 1.5 m	3375.00	Cum	197.00	664875.00
4.	17.1.1.2	depth of excavation above 1.5 m and upto 3.0 m over item no 17.1.1.1	1125.00	Cum	14.00	15750.00
5.	17.1.1.3	depth of excavation above 3.0 m and upto 4.5 m over item no 17.1.1.1	1125.00	Cum	31.50	35437.50
6.	17.1.1.4	depth of excavation above 4.5 m and upto 6.0 m over item no 17.1.1.1	1125.00	Cum	55.00	61875.00
7.	BSR 1.27.1&1.2 7.2/ B-7	Pumping out water caused by springs, tidal or river seepage, broken water main or drains and the like with pumping set of following H.P. including P.O.L./ Power consumption etc. complete. 5 to 9 H.P. .	200.00	Hour	151.00	30200.00
8.	4.23	Silt clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	250.00	Cum	237.00	59250.00
9.	1.1.1	Carriage of Materials by mechanical transport including loading, unloading and stacking :: 5 Km	675.00	Cum	165.00	111375.00
10.	4.26	Providing and fixing Barricading at site of work for restricting the general public using 80-100 mm dia Wooden Ballies as vertical post with average spacing of 1.80 meter between two vertical posts, having height at least 1.5 m above road/ ground level and at least 30-45 cm below road/ ground level by making suitable size hole in road/ ground, providing and fixing two rows of 80-100 mm Wooden Ballies as horizontal	1200.00	Mtr.	84.00	100800.00



		members with jute russies. Both vertical and horizontal members shall be painted in red and white colour strips as per approved pattern as and when it becomes shabby but at least after every alternate shifting at new location. After shifting/ removal of barricading holes shall be filled up properly and site is to be cleared in all respect. (Note: measurement is to be done in linear basis)				
11.	7.3.1	Providing, laying and spreading of granular sub-base by providing coarse graded Material (Table 400-2), spreading in uniform layers with motor grader on prepared surface, mixing BY MIX IN PLACE METHOD with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per MoRT&H specification clause - 401 including all material, labour, machinery, lighting, guarding and maintenance of diversion. Grading I Material.	150.00	Cum	984.00	147600.00
12.	13.1.2	Brick masonry work in cement mortar with mechanical mixer with First class bricks (min. 10.5 Mpa) in foundation (at any level) complete as per drawing and technical specification and as per clause 1000 & 1300 of MoRT&H specification including all scaffolding material, labour, machinery but excluding pointing and plastering. In cement mortar 1:4 (1 cement : 4 coarse sand)	30.00	Cum	4310.00	129300.00
13.	32.3.2	Cement plastering including T&P, scaffolding, material and complete labour, including cost of water, curing, racking of joints etc. with 20 mm cement plaster of mix : 1:4 (1 cement : 4 fine/ coarse sand)	100.00	Sqm	210.00	21000.00
14.	21.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level : 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	30.00	Cum	4280.00	128400.00
15.	29.1	Structural steel work in single section fixed with or without connecting plate including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer all complete.	1200.00	Kg	60.00	72000.00
16.	17.18.9	Providing at site, lowering & laying in trenches, aligning & jointing of RCC pipes NP4 class (with s/s ends) IS: 458 - 2003 (amended up to date) marked and pipes from 300 mm and upto 1800 mm manufactured through vertical casting process at all depths with Rubber gaskets (EPDM/SBR) for sewer lines as per IS: 5382 (including cost of Rubber gaskets, lubricants) as per drawing, sectional hydro testing of the sewer pipe line (including cost and conveyance of water to site for testing) etc., complete as per specification and / or as directed by Engineer. 600 mm internal diameter	750.00	Mtr.	3550.00	2662500.00
17.	SOR 2017 17.28.10	Providing granular bedding having width = outer dia of pipe (Bc) + 500mm, thickness below pipe = 0.25Bc or 100mm (whichever is higher) and haunching = 0.5Bc, with graded hard crusher broken stone of 100% passing through 20mm sheive, 20 to 50 % passing through 10mm sheive and 100 % retain on 6.3mm sheive, laying in layers of thickness 10/15cm including ramming, consolidation etc complete for all type of pipes of following sizes as per drawing and or as directed by Engineer. 600 mm internal diameter.	750.00	Mtr	404.00	303000.00
18.	4.13	Earth filling with available surplus soil excavated from foundations and taken only from outside of building plinth in layers not exceeding 20cm in depth, consolidating each deposited layer including ramming and watering and consolidation with lead up to 50 m and lift upto 1.5 m.	300.00	Cum	98.00	29400.00
19.	17.72.1	Supplying & fixing 560mm dia SFRC manhole frame & cover as per IS : 12592-2002 in existing manholes including grouting the frame in PCC M-15 complete in all respect as directed by the Engineer. HD 20	40.00	Each	2400.00	96000.00
20.	17.35 17.35.1	Providing and constructing of SEWER-BRICK masonry circular manholes of "Type-B" with internal dia 1.20m and depth upto 2.50m having sewer brick masonry wall 230mm thick upto 1.5m, 345mm thick from 1.50m to 2.50m in cement sand mortar 1:4, including concreting PCC M-10 grade (1:4:8) for	25.00	Each Manhole	22900.00	572500.00

		225mm thick foundation including curing compaction and form work etc complete, PCC M15 for benching and channel portion, RCC M20 for 200mm thick cover slab including reinforcement, PCC M20 for fixing the manhole frame and cover using stone aggregate 20mm nominal size, 20mm thick inside and outside plaster in C. M. 1:3, inside plaster finished with floating coat of neat cement, vata in CM1:1 around pipe entering and leaving the manhole and also at the junction of masonry and concrete slab, providing and fixing of SFRC foot steps of approved make at every 0.30m height fixed in CM 1:3, supplying and fixing heavy duty SFRC manhole frame and cover as per IS 12592 (Part I and II) having clear opening of 560mm, including refilling of Jhiri, including curing, watering, ramming, hydro testing of manhole, conveyance & cost of water, and dewatering complete as directed by the Engineer.				
		Manhole "Type-B" of depth 1.70 m				
21.	17.35.2	Providing and constructing extra depth of manhole "Type-B" for depth beyond 1.70 m and upto 2.50 m with SEWER-BRICK masonry including 20mm plaster inside and outside as per drawing and direction of Engineer.	04.00	Mtr.	10100.00	40400.00
22.	17.36.1	Providing and constructing of SEWER-BRICK masonry circular manholes of "Type-C" with internal dia 1.50m and depth upto 5.0m having sewer brick masonry wall 230mm thick upto 1.5m, 345mm thick from 1.50m to 2.50m and 460mm from 2.50 to 5.0m in cement sand mortar 1:4, including concreting PCC M-10 grade (1:4:8) for 225mm thick foundation including curing compaction and form work etc complete, PCC M15 for benching and channel portion, RCC M20 for 200mm thick cover slab including reinforcement, PCC M20 for fixing the manhole frame and cover using stone aggregate 20mm nominal size, 20mm thick inside and outside plaster in C. M. 1:3, inside plaster finished with floating coat of neat cement, vata in CM1:1 around pipe entering and leaving the manhole and also at the junction of masonry and concrete slab, providing and fixing of SFRC foot steps of approved make at every 0.30m height fixed in CM 1:3, supplying and fixing heavy duty SFRC manhole frame and cover as per IS 12592 (Part I and II) having clear opening of 560mm, including refilling of Jhiri, including curing, watering, ramming, hydro testing of manhole, conveyance & cost of water, and dewatering complete as directed by the Engineer. Note:- Excavation of earth work and road cutting for manhole will be measured and paid separately. Manhole "Type-C" of depth 2.60 m	07.00	Each Manhole	40600.00	284200.00
23.	17.36.2	Providing and constructing extra depth of manhole "Type-C" for depth beyond 2.60 m and upto 5.0 m with SEWER-BRICK masonry including 20mm plaster inside and outside as per drawing and direction of Engineer.	01.00	Mtr.	15200.00	15200.00
24.	17.3.2	Providing and fixing CLOSE timbering in trenches of sewer line and manholes including strutting, shoring and packing cavities (wherever required) complete. (Measurements to be taken of the face area timbered) for following depth below NGL. Depth more than 3.0 m and upto 6.0 m	4500.00	Sqm	126.00	567000.00
25.	17.3.2	Depth beyond 6.0 m	2500.00	Sqm	128.00	320000.00
26.	17.27.8	Providing, lowering, laying, aligning, fixing in position and jointing at all level/ depths full round HDPE DWC (double wall corrugated) pipes of SN8 grade as per IS 16098 (Part 2) amended upto date in trenches in complete including all material, labour, sectional hydro testing (including the cost and conveyance of water to site for testing) and commissioning as per Technical Specifications, drawings and as per direction of Engineer. 600 mm ID	40.00	Mtr.	5220.00	208800.00
27.	17.61.1	Construction of brick masonry cylindrical road side inspection chamber of 450mm dia (internal) with 230mm thick wall of brick masonry (75 class designation brick) in cement mortar 1:4 (1 cement : 4	25.00	Each	4560.00	114000.00

		coarse sand), wall 230mm thick, filling of Jhiri, 20mm thick inside and outside plastering with CM (1:3), inside plaster finished with neat coat of cement, with 100 mm thick PCC M10 in foundation, 75mm thick PCC M15 flooring, precast SFRC/RCC circular 450mm dia MD manhole frame and cover embedded in 200mm thick PCC M20 grade concrete, including providing and fixing 2 Nos 110mm OD, 0.5m long uPVC pipe pieces of stiffness class SN 8 as per IS 15328 and plugging the same etc complete as per approved drawing and/or directed by Engineer. BM Road side inspection chamber of 450mm depth				
28.	7.3.1	Providing, laying and spreading of granular sub-base by providing coarse graded Material (Table 400-2), spreading in uniform layers with motor grader on prepared surface, mixing BY MIX IN PLACE METHOD with rotavator at OMC, and compacting with vibratory roller to achieve the desired density, complete as per MoRT&H specification clause - 401 including all material, labour, machinery, lighting, guarding and maintenance of diversion. Grading I Material.	75.00	Cum	984.00	73800.00
29.	7.6	Providing laying, spreading and compacting stone aggregates of specific sizes as per Table 400-7 to Water Bound Macadam specification including spreading in uniform thickness; hand packing, rolling with power roller 8-10 tonnes, in stages to proper grade and camber, applying and brooming requisite type of screening (Table 400-8) binding materials to fill up the interstices of coarse aggregates, watering (with water browser) and compacting to required density, making necessary earthen bund to protect edges as per clause 404 of MoRT&H specification including all material,labour, machinery, lighting, guarding and maintenance of diversion Complete. Crusher broken - Grade-II (63-45mm)	56.25	Cum	1320.00	74250.00
30.	7.5.4	Providing laying, spreading and compacting stone aggregates of specific sizes as per Table 400-7 to Water Bound Macadam specification including spreading in uniform thickness; hand packing, rolling with power roller 8-10 tonnes, in stages to proper grade and camber, applying and brooming requisite type of screening (Table 400-8) binding materials to fill up the interstices of coarse aggregates, watering (with water browser) and compacting to required density, making necessary earthen bund to protect edges as per clause 404 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion Complete Crusher broken - Grade-III (53-22.4mm).	56.25	Cum	1400.00	78750.00
31.	8.1	Providing and applying primer coat over prepared surface of granular base with bitumen emulsion as per IS : 8887 and approved quality @ 0.6 kg/sqm with the help of spray set fitted on bitumen Container (boiler) after cleaning the surface including removing of binding material and other foreign matter with wire brushes and small picks, sweeping with brooms or soft brushes and finally dusting with old gunny bags and compressed air to receive bituminous treatment complete as per clause 502 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion.	3270.00	Sqm	20.00	65400.00
32.	8.3	Providing and applying tack coat on the prepared surface with bitumen emulsion as per IS: 8887 and approved quality @ 0.2 kg/sqm with the help of spray set fitted on bitumen Container (boiler) after cleaning the surface with brooms or soft brushes and finally dusting with old gunny bags and compressed air to receive bituminous treatment complete as per clause 502 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion.	3270.00	Sqm	7.00	22890.00
33.	8.9.5	Providing laying and consolidation Semi Dense Bituminous Concrete, as per Design Mix (approved by Engineer), on prepared surface with specified graded crushed aggregates as	300.84	tonne	2730.00	821293.20



		per table 500- 15 for wearing coarse including loading of material with F.E. loader, hot mixing of stone aggregate, filler and bitumen (including cost of anti-stripping compound wherever required) heating and mixing in in computerised hot mix plant, transporting the mixed material by tippers to paver and laying with paver finisher fitted with electronic sensor control to the required level and grade, compacting by power rollers and vibratory rollers or 150 to 250 KN pneumatic tyred roller with TP = 0.7 Mpa, to achieve the desired density (approximately 2.3 tonne/cum) complete as per clause 508 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion but excluding primer/tack coat. 35-40 mm compacted thickness (Grade-1) using Bitumen VG-grade 30 @ 4.5% (percent by weight of total mix)				
34.	21.1 21.1.2	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level : 1:1.5:3 (1 Cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size).	20.00	Cum	4700.00	94000.00
35.	19.1.7	Providing, lowering, laying in trenches, aligning, fixing in position and jointing socketed rubber gasket type ISI marked uPVC pipes of Class III (6 Kg/sqcm) suitable for potable water with rubber ring joints (as per IS 4985-2000) of following outer dia with all accessories (excluding specials) complete including all material, labour, hydraulic testing and commissioning as per TechnicalSpecifications and as per direction of Engineer. 200 mm dia.	30.00	Mtr.	884.00	26520.00
36.	19.1.2	Providing, lowering, laying in trenches, aligning, fixing in position and jointing socketed rubber gasket type ISI marked uPVC pipes of Class III (6 Kg/sqcm) suitable for potable water with rubber ring joints (as per IS 4985-2000) of following outer dia with all accessories (excluding specials) complete including all material, labour, hydraulic testing and commissioning as per TechnicalSpecifications and as per direction of Engineer. 110 mm dia.	30.00	Mtr.	273.00	8190.00
37.	19.1.5	160 mm dia	30.00	Mtr.	564.00	16920.00
38.	SOR 2017 17.19.1	Providing at site, lowering & laying in trenches, aligning & jointing ofRCC pipes NP3 class (with s/s ends) IS: 458 - 1988 (amended up to date) marked and pipes from 300 mm upto 2000 mm manufactured through vertical casting process all levels with Rubber gaskets (EPDM/SBR) for sewer lines as per IS: 5382 (including cost of Rubber gaskets lubricants) as per drawing, sectional hydro testing of the sewer pipe line (including cost and conveyance of water to site for testing) etc., complete as directed by Engineer. 200 mm internal diameter	50.00	Mtr.	521.00	26050.00
39.	17.19.3	300 mm internal diameter	30.00	Mtr	1010.00	30300.00
<b>Total</b>						<b>8402093.70</b>
<b>Add 10% Contingency Water Supply, and house connection</b>						<b>840209.37</b>
<b>Grand Toal</b>						<b>9242303.07</b>
<b>Say</b>						<b>92.42 Lacs</b>

**Executive Engineer,  
Municipal Corporation,  
Bikaner.**

**I/We Tendering above work @ ..... above/below "G" Schedule.**

**Signature of Tendering Contractor .....**