

जोधपुर नगर निगम-दक्षिण

क्रमांक:- न.नि.जो.-दक्षिण/चतुर्थ/विकास/2022-23/1090

दिनांक:- 24/11/2022

:: ई-निविदा सूचना ::

(UB No.)

नगर निगम जोधपुर-दक्षिण की ओर से निम्नलिखित कार्यो हेतु भारत सरकार एवं राज्य सरकार के विभिन्न विभागों/स्वायतशाषी/निगमों/बोर्डों/राजकीय उपक्रमों में पंजीकृत ए.0ए व ए. श्रेणी में पंजीकृत तथा नगर निगम जोधपुर में निर्धारित श्रेणी में पंजीकृत नियमानुसार योग्य संवेदको से निर्धारित प्रपत्र में ई-निविदाएं आमंत्रित की जाती है।

महत्वपूर्ण दिनांकों का विवरण

विवरण	दिनांक
ऑन लाईन निविदा फार्म जमा कराना प्रारम्भ होने की दिनांक व समय	02-12-2022/12:30 PM
ऑन लाईन निविदा फार्म जमा कराने की अन्तिम दिनांक व समय	13-12-2022/12:30 PM
ऑन लाईन निविदा खोलने की तारीख	11/12/2022/3:00 PM
निविदा शुल्क/धरोहर राशि की मूल प्रति अभियन्ता शाखा कार्यालय में जमा कराने की दिनांक व समयावधि	11/12/2022/2:00 PM

निविदा का विवरण निम्न प्रकार है :-

क्र.सं.	कार्य का नाम	कार्य की अनुमानित लागत (लाखों में)	धरोहर राशि	निविदा शुल्क	कार्य पूर्ण करने की अवधि
1	नगर निगम दक्षिण के वार्ड नं. संख्या 12 मे मैनहॉल फ्रेम, सीवर लाईन एवं अन्य मरम्मत कार्य (वार्षिक अनुबंध)	5.00	10000/	500/-	12 Month
2	नगर निगम दक्षिण के वार्ड नं. संख्या 13 मे मैनहॉल फ्रेम, सीवर लाईन एवं अन्य मरम्मत कार्य (वार्षिक अनुबंध)	5.00	10000/	500/-	12 Month
3	नगर निगम दक्षिण के वार्ड नं. संख्या 14 मे मैनहॉल फ्रेम, सीवर लाईन एवं अन्य मरम्मत कार्य (वार्षिक अनुबंध)	5.00	10000/	500/-	12 Month
4	नगर निगम दक्षिण के वार्ड नं. संख्या 15 मे मैनहॉल फ्रेम, सीवर लाईन एवं अन्य मरम्मत कार्य (वार्षिक अनुबंध)	5.00	10000/	500/-	12 Month
5	नगर निगम दक्षिण के वार्ड नं. संख्या 16 मे मैनहॉल फ्रेम, सीवर लाईन एवं अन्य मरम्मत कार्य (वार्षिक अनुबंध)	5.00	10000/	500/-	12 Month
6	नगर निगम दक्षिण के वार्ड नं. संख्या 17 मे मैनहॉल फ्रेम, सीवर लाईन एवं अन्य मरम्मत कार्य (वार्षिक अनुबंध)	5.00	10000/	500/-	12 Month
7	नगर निगम दक्षिण के वार्ड नं. संख्या 18 मे मैनहॉल फ्रेम, सीवर लाईन एवं अन्य मरम्मत कार्य (वार्षिक अनुबंध)	5.00	10000/	500/-	12 Month
8	नगर निगम दक्षिण के वार्ड नं. संख्या 19 मे मैनहॉल फ्रेम, सीवर लाईन एवं अन्य मरम्मत कार्य (वार्षिक अनुबंध)	5.00	10000/	500/-	12 Month
9	नगर निगम दक्षिण के वार्ड नं. संख्या 20 मे मैनहॉल फ्रेम, सीवर लाईन एवं अन्य मरम्मत कार्य (वार्षिक अनुबंध)	5.00	10000/	500/-	12 Month
10	नगर निगम दक्षिण के वार्ड नं. संख्या 21 मे मैनहॉल फ्रेम, सीवर लाईन एवं अन्य मरम्मत कार्य (वार्षिक अनुबंध)	5.00	10000/	500/-	12 Month
11	वार्ड संख्या 6 से 21 में विभिन्न स्थानों पर डामरीकरण का कार्य (वार्षिक अनुबंध)	30.00	60000/-	500/-	12 Month
12	नहर चौराहे के पास चौपासनी थाना के सामने क्षतिग्रस्त सडक मरम्मत कार्य	10.00	20000/	500/-	2 Month
13	वार्ड नं. 9 महादेव मन्दिर व विभिन्न स्थानों पर सीसी रोड व इन्टरलॉकिंग सडक का कार्य	20.00	40000/-	500/-	4 Month
14	वार्ड 20 में टेक्टर एसोसिएशन में डामर सडक कार्य	10.65	21300/-	500/-	2 Month

निविदा की महत्वपूर्ण शर्तें निम्नानुसार है :-

- ई-निविदा प्रपत्रों को वेबसाईट <http://eproc.rajasthan.gov.in> से डाउनलोड किया जा सकता है। इन ई-निविदाओं में भाग लेने वाले संवेदको को निविदा को इलेक्ट्रॉनिक फॉरमेट में वेबसाईट <http://eproc.rajasthan.gov.in> पर जमा करानी होगी।
- ई-निविदा की प्रकिया ऑन लाईन होगी।

- 3 नगर निगम जोधपुर में पंजीकृत अथवा अन्य विभाग में पंजीकृत संवेदकों को भी अपने पंजीयन दस्तावेजों को संबंधित पंजीयन अधिकारी से रिव्यू करवा कर प्रस्तुत करना होगा। पंजीयन अथवा रिव्यू दस्तावेज निविदा जमा कराने की अंतिम तिथि पर दो वर्ष से अधिक पुराना होने पर मान्य पंजीयन के अभाव में निविदा निरस्त कर दी जाएगी।
- 4 ई-निविदा हेतु पात्र संवेदकों की श्रेणी -

किसी भी सीमा तक	- एए श्रेणी, संवेदक
रूपये 300.00 लाख तक	- ए, श्रेणी संवेदक
रूपये 150.00 लाख तक	- बी, श्रेणी संवेदक
रूपये 50.00 लाख तक	- सी, श्रेणी संवेदक
रूपये 15.00 लाख तक	- डी, श्रेणी संवेदक
- 5 ई-निविदा खोलने की तिथि को किसी कारणवश यदि सम्पूर्ण निविदायें नहीं खोली जा सकती है, तो उसके अगले कार्य दिवस को शेष निविदायें खोलने का कार्य जारी रखा जावेगा।
- 6 ई-निविदा प्रक्रिया -

कार्य	पोटेशियल असेसमेंट	पोस्ट क्वालीफिकेशन
सडक	100 लाख से 500 लाख तक	500 लाख से 2000 लाख तक
अन्य निर्माण कार्य	100 लाख से 200 लाख तक	200 लाख से 1000 लाख तक

- 7 निविदादाता द्वारा निविदा शुल्क, धरोहर राशि एवं प्रक्रिया शुल्क हेतु निम्नलिखित राशि कि मूल प्रति जोधपुर नगर निगम कार्यालय में नियमानुसार निविदा खोले जाने के समय से पूर्व जमा करवाना आवश्यक है। निम्नांकित कम सं. 3 के कॉलम सं. 5 में अंकित अनुसार किसी प्रकार की त्रुटी पाये जाने पर संवेदक को निविदा कॉपी निरस्त कर दी जायेगी।

क्र.सं.	शुल्क वितरण	शुल्क	भुगतान का प्रकार	देय
	2	3	4	5
1	निविदा शुल्क	500/-	डिमाण्ड ड्रॉफ्ट / बैंकर चैक	आयुक्त जोधपुर नगर निगम-दक्षिण
2	धरोहर राशि	उपरोक्तानुसार	डिमाण्ड ड्रॉफ्ट / बैंकर चैक	आयुक्त जोधपुर नगर निगम-दक्षिण
3	ई-टेण्डरिंग प्रक्रिया शुल्क	50 लाख एवं उपर 1000/- 50 लाख से नीचे 500/-	डिमाण्ड ड्रॉफ्ट / बैंकर चैक	MD RISL, JAIPUR

नोट :- धरोहर राशि के रूप में कार्य की लागत की 2 प्रतिशत राशि जमा करवानी होगी, नियमानुसार निर्धारित श्रेणी में पंजीकृत संवेदकों को 0.5 प्रतिशत तक धरोहर राशि जमा करवाने के लिए छूट प्रदान की जाएगी।

- 8 प्रदत्त दरें निविदा खोलने की दिनांक से 90 दिवसों तक निविदा स्वीकृति हेतु मान्य (Vaild) 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।
- 9 यदि संवेदक के नजदीकी रिश्तेदार (प्रथम रक्त सम्बन्धी व उनके पति/पत्नी) कार्य से संबंधित अधीनस्थ कार्यालय में खण्डीय लेखाकार अथवा सहायक अभियन्ता से लेकर अधीक्षण अभियन्ता स्तर का किसी भी स्तर पर पदस्थापित हो, तो उसके कार्य पर नियुक्त करने पर प्रतिबन्ध रहेगा।
- 10 राज्य सरकार में किसी भी अभियांत्रिकी विभाग में किसी भी इंजीनियर अथवा इंजीनियर या प्रशासनिक कार्य पर नियुक्त राजपत्रित अधिकारी राज्य की अनुमति के बिना सेवा निवृत्ति के 2 वर्ष तक संवेदक अथवा उसके कर्मचारी के रूप में कार्य नहीं कर सकेंगे। यदि संवेदक अथवा उसके कर्मचारियों में कोई ऐसा व्यक्ति जिसने राज्य सरकार की उक्त लिखित अनुमति निविदा जमा कराने से पहले अथवा संवेदक के यहां से सेवायें लेने से पहले अनुमति नहीं ली है, तो अनुबन्ध रद्द किया जा सकेगा।
- 11 किसी भी निविदा को स्वीकार करने एवं बिना कारण बताये निरस्त करने के समस्त अधिकार निम्नहस्ताक्षर कर्ता को रहेगा। RPWA 100 की समस्त शर्तें उस सीमा तक मान्य/लागु होगी जिस सीमा तक के राजस्थान लोक उपापन पारदर्शिता अधिनियम 2012 एवं नियम 2013 के विरोध में नहीं हो।
- 12 उक्त आईटम की दोष निवारण अवधि राज्य सरकार द्वारा निर्धारित नोर्म्स के अनुसार होगी। निविदादाता को निविदा भरते समय साथ में निविदा शुल्क, धरोहर राशि, ई-टेण्डरिंग शुल्क Registration की प्रति को स्केन कर लगाना अनिवार्य है।
- 13 वित्त विभाग के आदेश संख्या एफ-1)एफ.डी./जी.एफ. एण्ड ए.आर./2007 दिनांक 30.09.11 (सर्कुलर नं. 19/2011) के अनुसार 50.00 लाख रूपये तक की राशि के कार्यों के लिए 500/- व 50.00 लाख रूपये से अधिक राशि के कार्यों के लिए 1000/- रूपये की राशि निविदा शुल्क के

अतिरिक्त देनी होगी जो डिमाण्ड ड्राफ्ट या बैंकर चैक के रूप में देय होगी। यह डिमाण्ड ड्राफ्ट या बैंकर चैक मैनजिंग डायरेक्ट, आर.आई.एस.एल. के पक्ष में व जयपुर में भुगतान योग्य होना चाहिए।

14 नेगोशिएशन की आवश्यकता होने पर ई-मेल व पत्र द्वारा डाक से सूचित किया जायेगा।

15 निविदा शुल्क निम्नानुसार निर्धारित है -

50 लाख से कम अनुमानित लागत	-	रुपये 500/-
50 लाख से 150 लाख तक अनुमानित लागत	-	रुपये 1000/-
150 लाख से 400 लाख तक अनुमानित लागत	-	रुपये 2000/-
400 लाख से अधिक अनुमानित लागत	-	रुपये 5000/-

16 ई-टेंडरिंग के लिए निविदादाता हेतु निर्देश :-

• इन निविदाओं में दिलचस्पी लेने वाले निविदा दाता निविदा प्रपत्रों का इन्टरनेट साईट <http://www.eproc.rajasthan.gov.in> से देख/डाउनलोड कर सकते हैं।

• निविदाओं में भाग लेने वाले निविदादाताओं को इन्टरनेट साईट <http://www.eproc.rajasthan.gov.in> पर रजिस्टर करवाना होगा। ऑन लाईन निविदा में भाग लेने के लिए डिजिटल सर्टिफिकेट है इनफोरमेशन 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 लेने की आवश्यकता नहीं है।

• निविदादाताओं को निविदा प्रपत्र इलेक्ट्रॉनिक फॉर्मेट में उपरोक्त वेबसाइट पर डिजिटल साईन के साथ प्रस्तुत करना होगा। जिसके प्रस्ताव अकेले भौतिक फॉर्म में स्वीकार्य नहीं होगा।

• इलेक्ट्रॉनिक निविदा प्रपत्रों को जमा कराने से पूर्व निविदादाता यह सुनिश्चित कर लेवे की निविदा प्रपत्रों से संबंधित सभी आवश्यक दस्तावेजों की स्केन कॉपी निविदा प्रपत्रों के साथ अटैच कर दी गयी है।

• कोई भी टेण्डर इलेक्ट्रॉनिकली जमा कराने से किसी कारण से लेट हो जाता है तो उसका जिम्मेदार विभाग नहीं होगा।


• टेण्डर के प्रपत्रों में आवश्यक सभी सूचियों को सम्पूर्ण रूप से भरकर ऑन लाईन दर्ज करें।

17 निविदायें राजस्थान लोक उपापन पारदर्शिता अधिनियम 2012 एवं नियम 2013 के अन्तर्गत आमंत्रित की जाती हैं। उपर अंकित समस्त प्रावधान/बंधन उस सीमा तक ही लागू होंगे जिस सीमा तक वे उस बिन्दु में उल्लेखित अधिनियम एवं नियमों के विरुद्ध नहीं हों।

18 संवेदक द्वारा प्रस्तुत की गयी दरें एक वर्ष तक मान्य होगी।

19 राजकीय अवकाश भी स्थिति में आगामी कार्य दिवस की तिथि मान्य होगी।

20 श्रीमान निदेशक, स्वायत्त शासन विभाग, राजस्थान जयपुर के आदेश क्रमांक 144612-825 दिनांक 22.11.021 की पालना में वित्त विभाग की अधिसूचना आर.टी.पी.पी. नियम 2013 में Additional Performance Security के लिये नियम 75-ए के अनुसार Additional Performance Security जमा करवानी होगी


(अरुण कुमार पुरोहित)
I.A.S.

आयुक्त
नगर निगम जोधपुर-दक्षिण

नगर निगम जोधपुर-दक्षिण

क्रमांक:- न.नि.जो.-दक्षिण/चतुर्थ/विकास/2022-23/1090

दिनांक:- 24/11/2022

:: ई-निविदा सूचना ::

(UB No.)

नगर निगम जोधपुर-दक्षिण की ओर से विभिन्न सिविल कार्यों हेतु ऑनलाईन ई-निविदाएं आमंत्रित की जाती हैं। ई-निविदा से संबंधित कार्यों की विस्तृत जानकारी, निविदा की शर्तें आदि <http://eproc.rajasthan.gov.in>, www.sppp.rajasthan.gov.in एवं www.urban.rajasthan.gov.in/mcjs पर देखी जा सकती हैं।

(वनिता सेठ)
महापौर

नगर निगम जोधपुर-दक्षिण

(अरुण कुमार पुरोहित)
I.A.S.

आयुक्त
नगर निगम जोधपुर-दक्षिण

क्रमांक:- न.नि.जो.-दक्षिण/चतुर्थ/विकास/2022-23/109160 1098

दिनांक:- 24/11/2022

प्रतिलिपी :- सूचनार्थ एवं आवश्यक कार्यवाही हेतु।

1. श्रीमान जिला कलेक्टर महोदय, जोधपुर।
2. निदेशक/अधीक्षण अभियन्ता, स्थानीय निकाय विभाग, जयपुर।
3. अधीक्षण अभियन्ता/अधिशाषी अभियन्ता, सा.नि.वि./जोधपुर विकास प्राधिकरण/नगर निगम जोधपुर।
4. वरिष्ठ लेखाधिकारी, जोधपुर नगर निगम।
5. राजस्थान संवाद, जयपुर को भेजकर लेख है कि उक्त ई-निविदा नियमानुसार एक राज्य स्तरीय व क्षेत्रीय समाचार पत्रों में प्रकाशन हेतु भिजवाये व jodhpurmcsamvad@yahoo.com पर Intimation Mail की कॉपी भिजवाये।
6. श्री रामेश्वर गहलोत, प्रोग्रामर नगर निगम जोधपुर दक्षिण को भेजकर लेख है कि एवं ई-निविदा सूचना (1) urban.rajasthan.gov.in/mcjs (2) sppp.rajasthan.gov.in पर अपलोड करें।
7. संबंधित सहायक अभियन्ता को भेजकर लेख है कि उपरोक्त ई-निविदा के कार्यों की जी-सारणी एवं ई-निविदा सूचना <http://eproc.rajasthan.gov.in> पर अपलोड करावे।
8. सूचना पट्ट जोधपुर नगर निगम।

(अरुण कुमार पुरोहित)
I.A.S.
आयुक्त
नगर निगम जोधपुर-दक्षिण

MUNICIPAL CORPORATION, JODHPUR (SOUTH)

GSCHEDULE

T No. date
 st Date of Sale :-
 te of Receipt :-
 py issued to M/s

Sr No.
 Earnest Money : Rs.
 CR No. Dated.

me of Work :- Sewer line and manhole repair work at various places in ward No 12 (ARC)

No.	ITEMS	QTY.		RATE In Rs.	AMOUNT
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 such as moorum, sand, sandy silt, clay, black cotton soil, kankar, etc.				
	Depth upto 1.5 m	1.00	cum	274.50	275.00
	Add extra for over all depth of excavation above 1.5 m and upto 3.0 m over item no 17.1.1.1	1.00	cum	19.20	19.00
	Dismantling of flexible pavements for sewer line and manholes and disposal of dismantled materials up to a lead of 50 metres, stacking serviceable and unserviceable materials separately as directed by Engineer.				
	Bituminous courses	1.00	cum	493.50	494.00
	Granular courses	1.00	cum	343.50	344.00
	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 testing of the sewer pipe line (including cost and conveyance of water to site) etc., complete as per specification and / or as directed by Engineer. Note : E/w to be measured and paid separately				
	200 mm internal diameter	1.00	metre	618.00	618.00
	250 mm internal diameter	1.00	metre	883.00	883.00
	300 mm internal diameter	1.00	metre	1158.00	1158.00
	450 mm internal diameter	1.00	metre	2715.00	2715.00

	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.				
	200 mm internal diameter	1.00	metre	158.00	158.00
	250 mm internal diameter	1.00	metre	175.00	175.00
	300 mm internal diameter	1.00	metre	199.00	199.00
	450 mm internal diameter	1.00	metre	335.50	336.00
	Random rubble masonry with hard stone in foundation and plinth : Cement mortar 1:6 (1 cement : 6 coarse sand)	1.00	cum	4245.0	4245.00
	Cement plastering including T&P, scaffolding, material and complete labpou, including cost of water, curing, racking of joints etc. with 15 mm cement plaster of mix :1:6 (1 cement : 6 fine/ coarse sand)	1.00	Sqm.	222.00	222.00
	Supplying and fixing soorsagar bhura or equialent ashlar sills lintel and dassa ,bearing ,bed and top surface made perfeectly even jambs ,skirting steps etc. rough dressed upto 15 cm thick.	1.00	cum	4473.0	4473.00
	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	1.00	each	2685.00	2685.00
	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :1:4:8 (1 Cement : 4 fine/ coarse sand : 8 graded stone aggregate 40 mm nominal size).	1.00	cum	4340.00	4340.00
0	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level : 1:1½:3 (1 Cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size). For road restoration.	1.00	cum	5810.00	5810.00
11	Carriage of Materials by mechanical transport including loading, unloading and stacking ::5km For road restoration.				
	earth	1.00	cum	245.95	246.00
	Sand, bazri, ballast, kankar	1.00	cum	196.76	197.00
12	Providing and fixing of precast concrete interlocking tiles of desired shape of M 30 grade manufactured from fully computerized automatic stationery hydraulic viebro pressed machine and fully computerized automatic batching plant of class A1/A2 as per BS 6717:2001. The CC interlocking paving blocks be laid on average 50mm. thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications. Tensile splitting strength, abrasion and braking load etc. as per BS 6717:2001, Grey cement. 80mm thick	1.00	Sqm.	855.00	855.00

	Providing and fixing of 60mm thick precast cement concrete interlocking paver block casted with rubber moulds in approved reflective colour and design having minimum compressive strength of 300 kg/ sq cm. The CC paving blocks be laid on average 50mm thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications	1.00	Sqm.	737.00	737.00
4	Emptying of septic tank/ soakage well etc, disposing of sludge within a lead of 5km and taking out sewage including refilling with local earth, ramming and compaction in layers, cleaning of site.	1.00	Nos.	4630.00	4630.00
5	Providing at site, lowering & laying in trenches, aligning & jointing of PVC-U pipes (SN 8) as per IS 15328 (amended up to date) and as per specifications with rubber rings with socket and spigot joint, (EPDM/SBR) for all depths for pipe length as per drawing and specification including hydraulic field testing (including the cost and conveyance of water to site for testing) and commissioning etc complete as directed by Engineer. Note : E/w to be measured and paid separately. Length of pipe shall be measured in between the outer wall of two manholes / Inspection chambers. Pipe in the manhole/inspection chamber's wall shall deemed to be included in the item of manhole/inspection chamber shall not be payable.				
	110 mm nominal dia	1	MTR	267.5	268.00
	160 mm nominal dia	1	MTR	558	558.00
	Dismantling of existing structures like culverts, bridges, retaining walls, CC road and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 50 metres as directed by Engineer.				
	Lime Concrete, cement concrete grade M-10 (1:5:10) and below	1	cum	365	365.00
	Cement Concrete Grade M-15 and above and PCC blocks	1	cum	620	620.00
7	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1	kg	117.5	118.00
8	Silt clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	348.5	349.00
9	Sludge clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	372.5	373.00

<p>Providing and constructing of RR stone masonry circular manholes of "Type-Z" with internal dia 0.56m and depth upto 0.90 m having 300mm thick RR stone masonry wall in cement sand mortar 1:4, including concreting PCC M-10 grade (1:3:6) for 225mm thick foundation including curing compaction and form work etc complete, PCC M15 for benching and channel portion, PCC M15 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 roof. 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- Only Excavation work will be measured and paid separately (ZType Manholes)</p>	1	each	8150	8150.00
<p>Providing and constructing of RR stone masonry circular manholes of "Type-A" with internal dia 0.90m and depth upto 1.65m having 300mm thick RR stone masonry wall 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:-</p>				
<p>Manhole "Type-A" of depth 0.90 m</p>	1	each manhole	15550	15550.00
<p>Providing and constructing extra depth of manhole "Type-A" for depth beyond 0.90 m and upto 1.65 m with RR stone masonry including 20mm plaster inside and outside as per drawing and direction of Engineer.</p>	1	metre	8380	8380.00
<p>Supplying & fixing 560mm opening dia SFRC manhole cover as per IS : 12592-2002 in existing manholes frame complete in all respect as directed by the Engineer</p>	1	each	1407	1407.00
<p>Raising circular brick/RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab, taking out the existing CI frame & cover of manhole and raising it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Brick work / RR stone work of raising depth of manhole to be paid separately)</p>	1	each	570	570.00

Lowering of circular brick / RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab and manhole wall, taking out the existing CI frame & cover of manhole and lowering it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Dismantling of brick work / RR stone work depth of manhole to be paid separately)	1	each	570	570.00
Total				73092.00

Work amount upto Rs. 5.00 lacs

Terms and Condition :-

- 1. सभी प्रकार के कर (टैक्स) संवेदक द्वारा ही वहन किये जायेंगे।
- 2. कार्य स्थल पर श्रमिक व सामग्री की सुरक्षा की जिम्मेवारी संवेदक की होगी।
- 3. सारणी में वर्णित कार्यों के अतिरिक्त व अधिक कार्य संवेदक द्वारा दी गई दरों के आधार पर करवाये जा सकेंगे।
- 4. कार्य स्थल पर कार्य सम्बंधित सूचनाएं दर्शाने वाला बोर्ड संवेदक को स्वयं के स्तर पर लगाना होगा।
- 5. गण त्रुटी की अवस्था में सम्बन्धित रेट मान्य होगी।
- 6. कार्य करने से पूर्व एवं कार्य करने के पश्चात कार्य स्थल की फोटो/विडियोग्राफी सीडी आवश्यक रूप से कार्यालय में जमा होंगे।
- 7. ष निवारण अवधि नियमानुसार रहेगी।
- 8. 4 माह तक मान्य रहेगी
- 9. अर्त निविदा स्वीकार नहीं होगी।
- 10. निष्पादन सुरक्षा राशि 10 प्रतिशत मय अनुबन्ध के जमा कराना होगा।


EXECUTIVE ENGINEER
NAGAR NIGAM, JODHPUR.

I hereby agree to do the above work @ _____ Above/below the "G" Schedule.

(Signature of Contractor)

MUNICIPAL CORPORATION, JODHPUR (SOUTH)

GSCHEDULE

NIT No. date

Last Date of Sale :-

Date of Receipt :-

Copy issued to M/s

Sr No.

Earnest Money : Rs.

CR No. Dated.

Name of Work :- Sewer line and manhole repair work at various places in ward No 13 (ARC)

S. No.	ITEMS	QTY.		RATE In Rs.	AMOUNT
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 such as moorum, sand, sandy silt, clay, black cotton soil, kankar, etc.				
	Depth upto 1.5 m	1.00	cum	274.50	275.00
	Add extra for over all depth of excavation above 1.5 m and upto 3.0 m over item no 17.1.1.1	1.00	cum	19.20	19.00
2	Dismantling of flexible pavements for sewer line and manholes and disposal of dismantled materials up to a lead of 50 metres, stacking serviceable and unserviceable materials separately as directed by Engineer.				
	Bituminous courses	1.00	cum	493.50	494.00
	Granular courses	1.00	cum	343.50	344.00
3	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 testing of the sewer pipe line (including cost and conveyance of water to site) etc., complete as per specification and / or as directed by Engineer. Note : E/w to be measured and paid separately				
	200 mm internal diameter	1.00	metre	618.00	618.00
	250 mm internal diameter	1.00	metre	883.00	883.00
	300 mm internal diameter	1.00	metre	1158.00	1158.00
	450 mm internal diameter	1.00	metre	2715.00	2715.00

4	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.				
	200 mm internal diameter	1.00	metre	158.00	158.00
	250 mm internal diameter	1.00	metre	175.00	175.00
	300 mm internal diameter	1.00	metre	199.00	199.00
	450 mm internal diameter	1.00	metre	335.50	336.00
5	Random rubble masonry with hard stone in foundation and plinth : Cement mortar 1:6 (1 cement : 6 coarse sand)	1.00	cum	4245.0	4245.00
6	Cement plastering including T&P, scaffolding, material and complete labpou, including cost of water, curing, racking of joints etc. with 15 mm cement plaster of mix :1:6 (1 cement : 6 fine/ coarse sand)	1.00	Sqm.	222.00	222.00
7	Supplying and fixing soorsagar bhura or equialent ashlar sills lintel and dassa ,bearing ,bed and top surface made perfeently even jambs ,skirting steps etc. rough dressed upto 15 cm thick.	1.00	cum	4473.0	4473.00
8	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	1.00	each	2685.00	2685.00
9	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :1:4:8 (1 Cement : 4 fine/ coarse sand : 8 graded stone aggregate 40 mm nominal size).	1.00	cum	4340.00	4340.00
10	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level : 1:1½:3 (1 Cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size). For road restoration.	1.00	cum	5810.00	5810.00
11	Carriage of Materials by mechanical transport including loading, unloading and stacking ::5km For road restoration.				
	earth	1.00	cum	245.95	246.00
	Sand, bazri, ballast, kankar	1.00	cum	196.76	197.00
12	Providing and fixing of precast concrete interlocking tiles of desired shape of M 30 grade manufactured from fully computerized automatic stationery hydraulic viebro pressed machine and fully computerized automatic batching plant of class A1/A2 as per BS 6717:2001. The CC interlocking paving blocks be laid on average 50mm. thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications. Tensile splitting strength, abrasion and braking load etc. as per BS 6717:2001, Grey cement. 30mm thick	1.00	Sqm.	855.00	855.00

13	Providing and fixing of 60mm thick precast cement concrete interlocking paver block casted with rubber moulds in approved reflective colour and design having minimum compressive strength of 300 kg/ sq cm. The CC paving blocks be laid on average 50mm thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications.	1.00	Sqm.	737.00	737.00
14	Emptying of septic tank/ soakage well etc, disposing of sludge within a lead of 5km and taking out sewage including refilling with local earth, ramming and compaction in layers, cleaning of site.	1.00	Nos.	4630.00	4630.00
15	Providing at site, lowering & laying in trenches, aligning & jointing of PVC-U pipes (SN 8) as per IS 15328 (amended up to date) and as per specifications with rubber rings with socket and spigot joint, (EPDM/SBR) for all depths for pipe length as per drawing and specification including hydraulic field testing (including the cost and conveyance of water to site for testing) and commissioning etc complete as directed by Engineer. Note : E/w to be measured and paid separately. Length of pipe shall be measured in between the outer wall of two manholes / Inspection chambers. Pipe in the manhole/inspection chamber's wall shall deemed to be included in the item of manhole/inspection chamber shall not be payable.				
	110 mm nominal dia	1	MTR	267.5	268.00
	160 mm nominal dia	1	MTR	558	558.00
16	Dismantling of existing structures like culverts, bridges, retaining walls, CC road and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 50 metres as directed by Engineer.				
	Lime Concrete, cement concrete grade M-10 (1:5:10) and below	1	cum	365	365.00
	Cement Concrete Grade M-15 and above and PCC blocks	1	cum	620	620.00
17	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1	kg	117.5	118.00
18	Silt clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	348.5	349.00
19	Sludge clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	372.5	373.00

20	Providing and constructing of RR stone masonry circular manholes of "Type-Z" with internal dia 0.56m and depth upto 0.90 m having 300mm thick RR stone masonry wall in cement sand mortar 1:4, including concreting PCC M-10 grade (1:3:6) for 225mm thick foundation including curing compaction and form work etc complete, PCC M15 for benching and channel portion, PCC M15 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 roof. 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- Only Excavation work will be measured and paid separately (ZType Manholes)	1	each	8150	8150.00
21	Providing and constructing of RR stone masonry circular manholes of "Type-A" with internal dia 0.90m and depth upto 1.65m having 300mm thick RR stone masonry wall 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:-				
	Manhole "Type-A" of depth 0.90 m	1	each manhole	15550	15550.00
22	Providing and constructing extra depth of manhole "Type-A" for depth beyond 0.90 m and upto 1.65 m with RR stone masonry including 20mm plaster inside and outside as per drawing and direction of Engineer.	1	metre	8380	8380.00
23	Supplying & fixing 560mm opening dia SFRC manhole cover as per IS : 12592-2002 in existing manholes frame complete in all respect as directed by the Engineer	1	each	1407	1407.00
24	Raising circular brick/RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab, taking out the existing CI frame & cover of manhole and raising it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Brick work / RR stone work of raising depth of manhole to be paid separately)	1	each	570	570.00

25	Lowering of circular brick / RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab and manhole wall, taking out the existing CI frame & cover of manhole and lowering it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Dismantling of brick work / RR stone work depth of manhole to be paid separately)	1	each	570	570.00
Total					73092.00

Work amount upto Rs. 5.00 lacs

Terms and Condition :-

1. सभी प्रकार के कर (टैक्स) संवेदक द्वारा ही वहन किये जायेंगे।
2. कार्य स्थल पर श्रमिक व सामग्री की सुरक्षा की जिम्मेवारी संवेदक की होगी।
3. जी.सारणी में वर्णित कार्यों के अतिरिक्त व अधिक कार्य संवेदक द्वारा दी गई दरों के आधार पर करवाये जा सकेंगे।
4. कार्य स्थल पर कार्य सम्बंधित सूचनाएं दर्शाने वाला बोर्ड संवेदक को स्वयं के स्तर पर लगाना होगा।
5. टंकण त्रुटी की अवस्था में सम्बन्धित रेट मान्य होगी।
6. कार्य करने से पूर्व एवं कार्य करने के पश्चात कार्य स्थल की फोटो/विडियोग्राफी सीडी आवश्यक रूप से कार्यालय में जमा कराने होंगे।
7. दोष निवारण अवधि नियमानुसार रहेगी।
8. दरें 4 माह तक मान्य रहेगी
9. सशर्त निविदा स्वीकार नहीं होगी।
10. निष्पादन सुरक्षा राशि 10 प्रतिशत मय अनुबन्ध के जमा कराना होगा।



EXECUTIVE ENGINEER
NAGAR NIGAM, JODHPUR.

I/We hereby agree to do the above work @ _____ Above/below the "G" Schedule.

(Signature of Contractor)

MUNICIPAL CORPORATION, JODHPUR (SOUTH)

GSCHEDULE

No. date
 Date of Sale :-
 of Receipt :-
 issued to M/s

Sr No.
 Earnest Money : Rs.
 CR No. Dated.

ne of Work :- Sewer line and manhole repair work at various places in ward No 14 (ARC)

No.	ITEMS	QTY.		RATE In Rs.	AMOUNT
	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 such as moorum, sand, sandy silt, clay, black cotton soil, kankar. etc.				
	Depth upto 1.5 m	1.00	cum	274.50	275.00
	Add extra for over all depth of excavation above 1.5 m and upto 3.0 m over item no 17.1.1.1	1.00	cum	19.20	19.00
	Dismantling of flexible pavements for sewer line and manholes and disposal of dismantled materials up to a lead of 50 metres, stacking serviceable and unserviceable materials separately as directed by Engineer.				
	Bituminous courses	1.00	cum	493.50	494.00
	Granular courses	1.00	cum	343.50	344.00
	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 testing of the sewer pipe line (including cost and conveyance of water to site) etc., complete as per specification and / or as directed by Engineer. Note : E/w to be measured and paid separately				
	200 mm internal diameter	1.00	metre	618.00	618.00
	250 mm internal diameter	1.00	metre	883.00	883.00
	300 mm internal diameter	1.00	metre	1158.00	1158.00
	450 mm internal diameter	1.00	metre	2715.00	2715.00

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.				
200 mm internal diameter	1.00	metre	158.00	158.00
250 mm internal diameter	1.00	metre	175.00	175.00
300 mm internal diameter	1.00	metre	199.00	199.00
450 mm internal diameter	1.00	metre	335.50	336.00
Random rubble masonry with hard stone in foundation and plinth : Cement mortar 1:6 (1 cement : 6 coarse sand)	1.00	cum	4245.0	4245.00
Cement plastering including T&P, scaffolding, material and complete labpour, including cost of water, curing, racking of joints etc. with 15 mm cement plaster of mix :1:6 (1 cement : 6 fine/ coarse sand)	1.00	Sqm.	222.00	222.00
Supplying and fixing soorsagar bhura or equialent ashlar sills lintel and dassa ,bearing ,bed and top surface made perfeectly even jambs ,skirting steps etc. rough dressed upto 15 cm thick.	1.00	cum	4473.0	4473.00
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	1.00	each	2685.00	2685.00
Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :1:4:8 (1 Cement : 4 fine/ coarse sand : 8 graded stone aggregate 40 mm nominal size).	1.00	cum	4340.00	4340.00
Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level : 1:1½:3 (1 Cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size). For road restoration.	1.00	cum	5810.00	5810.00
Carriage of Materials by mechanical transport including loading, unloading and stacking ::5km For road restoration.				
earth	1.00	cum	245.95	246.00
Sand, bazri, ballast, kankar	1.00	cum	196.76	197.00
Providing and fixing of precast concrete interlocking tiles of desired shape of M 30 grade manufactured from fully computerized automatic stationery hydraulic viebro pressed machine and fully computerized automatic batching plant of class A1/A2 as per BS 6717:2001. The CC interlocking paving blocks be laid on average 50mm. thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications. Tensile splitting strength, abrasion and braking load etc. as per BS 6717:2001, Grey cement. 80mm thick	1.00	Sqm.	855.00	855.00

Providing and fixing of 60mm thick precast cement concrete interlocking paver block casted with rubber moulds in approved reflective colour and design having minimum compressive strength of 300 kg/ sq cm. The CC paving blocks be laid on average 50mm thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications.	1.00	Sqm.	737.00	737.00
Emptying of septic tank/ soakage well etc, disposing of sludge within a lead of 5km and taking out sewage including refilling with local earth, ramming and compaction in layers, cleaning of site.	1.00	Nos.	4630.00	4630.00
Providing at site, lowering & laying in trenches, aligning & jointing of PVC-U pipes (SN 8) as per IS 15328 (amended up to date) and as per specifications with rubber rings with socket and spigot joint, (EPDM/SBR) for all depths for pipe length as per drawing and specification including hydraulic field testing (including the cost and conveyance of water to site for testing) and commissioning etc complete as directed by Engineer. Note : E/w to be measured and paid separately. Length of pipe shall be measured in between the outer wall of two manholes / Inspection chambers. Pipe in the manhole/inspection chamber's wall shall deemed to be included in the item of manhole/inspection chamber shall not be payable.				
110 mm nominal dia	1	MTR	267.5	268.00
160 mm nominal dia	1	MTR	558	558.00
Dismantling of existing structures like culverts, bridges, retaining walls, CC road and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 50 metres as directed by Engineer.				
Lime Concrete, cement concrete grade M-10 (1:5:10) and below	1	cum	365	365.00
Cement Concrete Grade M-15 and above and PCC blocks	1	cum	620	620.00
Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1	kg	117.5	118.00
Silt clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	348.5	349.00
Sludge clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	372.5	373.00

20	Providing and constructing of RR stone masonry circular manholes of "Type-Z" with internal dia 0.56m and depth upto 0.90 m having 300mm thick RR stone masonry wall in cement sand mortar 1:4, including concreting PCC M-10 grade (1:3:6) for 225mm thick foundation including curing compaction and form work etc complete, PCC M15 for benching and channel portion, PCC M15 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 roof. 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- Only Excavation work will be measured and paid separately (ZType Manholes)	1	each	8150	8150.00
	Providing and constructing of RR stone masonry circular manholes of "Type-A" with internal dia 0.90m and depth upto 1.65m having 300mm thick RR stone masonry wall 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:-				
	Manhole "Type-A" of depth 0.90 m	1	each manhole	15550	15550.00
2	Providing and constructing extra depth of manhole "Type-A" for depth beyond 0.90 m and upto 1.65 m with RR stone masonry including 20mm plaster inside and outside as per drawing and direction of Engineer.	1	metre	8380	8380.00
23	Supplying & fixing 560mm opening dia SFRC manhole cover as per IS : 12592-2002 in existing manholes frame complete in all respect as directed by the Engineer	1	each	1407	1407.00
24	Raising circular brick/RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab, taking out the existing CI frame & cover of manhole and raising it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Brick work / RR stone work of raising depth of manhole to be paid separately)	1	each	570	570.00

25	Lowering of circular brick / RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab and manhole wall, taking out the existing CI frame & cover of manhole and lowering it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Dismantling of brick work / RR stone work depth of manhole to be paid separately)	1	each	570	570.00
Total					73092.00

Work amount upto Rs. 5.00 lacs

Terms and Condition :-

- 1. सभी प्रकार के कर (टैक्स) संवेदक द्वारा ही वहन किये जायेंगे।
- 2. कार्य स्थल पर श्रमिक व सामग्री की सुरक्षा की जिम्मेवारी संवेदक की होगी।
- 3. सारणी में वर्णित कार्यों के अतिरिक्त व अधिक कार्य संवेदक द्वारा दी गई दरों के आधार पर करवाये जा सकेंगे।
- 4. कार्य स्थल पर कार्य सम्बंधित सूचनाएं दर्शाने वाला बोर्ड संवेदक को स्वयं के स्तर पर लगाना होगा।
- 5. पण त्रुटी की अवस्था में सम्बन्धित रेट मान्य होगी।
- 6. कार्य करने से पूर्व एवं कार्य करने के पश्चात कार्य स्थल की फोटो/विडियोग्राफी सीडी आवश्यक रूप से कार्यालय में जमा होंगे।
- 7. ष निवारण अवधि नियमानुसार रहेगी।
- 8. 4 माह तक मान्य रहेगी।
- 9. तर्त निविदा स्वीकार नहीं होगी।
- 10. षपादन सुरक्षा राशि 10 प्रतिशत मय अनुबन्ध के जमा कराना होगा।



**EXECUTIVE ENGINEER
NAGAR NIGAM, JODHPUR.**

I hereby agree to do the above work @ _____ Above/below the "G" Schedule.

(Signature of Contractor)

MUNICIPAL CORPORATION, JODHPUR (SOUTH)

GSCCHEDULE

NIT No. date

Last Date of Sale :-

Date of Receipt :-

Copy issued to M/s

Sr No.

Earnest Money : Rs.

CR No. Dated.

Name of Work :- Sewer line and manhole repair work at various places in ward No 15 (ARC)

S. No.	ITEMS	QTY.		RATE In Rs.	AMOUNT
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 such as moorum, sand, sandy silt, clay, black cotton soil, kankar, etc.				
	Depth upto 1.5 m	1.00	cum	274.50	275.00
	Add extra for over all depth of excavation above 1.5 m and upto 3.0 m over item no 17.1.1.1	1.00	cum	19.20	19.00
2	Dismantling of flexible pavements for sewer line and manholes and disposal of dismantled materials up to a lead of 50 metres, stacking serviceable and unserviceable materials separately as directed by Engineer.				
	Bituminous courses	1.00	cum	493.50	494.00
	Granular courses	1.00	cum	343.50	344.00
3	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 testing of the sewer pipe line (including cost and conveyance of water to site) etc., complete as per specification and / or as directed by Engineer. Note : E/w to be measured and paid separately				
	200 mm internal diameter	1.00	metre	618.00	618.00
	250 mm internal diameter	1.00	metre	883.00	883.00
	300 mm internal diameter	1.00	metre	1158.00	1158.00
	450 mm internal diameter	1.00	metre	2715.00	2715.00

4	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.				
	200 mm internal diameter	1.00	metre	158.00	158.00
	250 mm internal diameter	1.00	metre	175.00	175.00
	300 mm internal diameter	1.00	metre	199.00	199.00
	450 mm internal diameter	1.00	metre	335.50	336.00
5	Random rubble masonry with hard stone in foundation and plinth : Cement mortar 1:6 (1 cement : 6 coarse sand)	1.00	cum	4245.0	4245.00
6	Cement plastering including T&P, scaffolding, material and complete labpour, including cost of water, curing, racking of joints etc. with 15 mm cement plaster of mix :1:6 (1 cement : 6 fine/ coarse sand)	1.00	Sqm.	222.00	222.00
7	Supplying and fixing soorsagar bhura or equalent ashlar sills lintel and dassa ,bearing ,bed and top surface made perfeently even jambs ,skirting steps etc. rough dressed upto 15 cm thick.	1.00	cum	4473.0	4473.00
8	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	1.00	each	2685.00	2685.00
9	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :1:4:8 (1 Cement : 4 fine/ coarse sand : 8 graded stone aggregate 40 mm nominal size).	1.00	cum	4340.00	4340.00
10	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level : 1:1½:3 (1 Cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size). For road restoration.	1.00	cum	5810.00	5810.00
11	Carriage of Materials by mechanical transport including loading, unloading and stacking ::5km For road restoration.				
	earth	1.00	cum	245.95	246.00
	Sand, bazri, ballast, kankar	1.00	cum	196.76	197.00
12	Providing and fixing of precast concrete interlocking tiles of desired shape of M 30 grade manufactured from fully computerized automatic stationery hydraulic viebro pressed machine and fully computerized automatic batching plant of class A1/A2 as per BS 6717:2001. The CC interlocking paving blocks be laid on average 50mm. thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications. Tensile splitting strength, abrasion and braking load etc. as per BS 6717:2001, Grey cement. 80mm thick	1.00	Sqm.	855.00	855.00

13	Providing and fixing of 60mm thick precast cement concrete interlocking paver block casted with rubber moulds in approved reflective colour and design having minimum compressive strength of 300 kg/ sq cm. The CC paving blocks be laid on average 50mm thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications.	1.00	Sqm.	737.00	737.00
14	Emptying of septic tank/ soakage well etc, disposing of sludge within a lead of 5km and taking out sewage including refilling with local earth, ramming and compaction in layers, cleaning of site.	1.00	Nos.	4630.00	4630.00
15	Providing at site, lowering & laying in trenches, aligning & jointing of PVC-U pipes (SN 8) as per IS 15328 (amended up to date) and as per specifications with rubber rings with socket and spigot joint, (EPDM/SBR) for all depths for pipe length as per drawing and specification including hydraulic field testing (including the cost and conveyance of water to site for testing) and commissioning etc complete as directed by Engineer. Note : E/w to be measured and paid separately. Length of pipe shall be measured in between the outer wall of two manholes / Inspection chambers. Pipe in the manhole/inspection chamber's wall shall deemed to be included in the item of manhole/inspection chamber shall not be payable.				
	110 mm nominal dia	1	MTR	267.5	268.00
	160 mm nominal dia	1	MTR	558	558.00
16	Dismantling of existing structures like culverts, bridges, retaining walls, CC road and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 50 metres as directed by Engineer.				
	Lime Concrete, cement concrete grade M-10 (1:5:10) and below	1	cum	365	365.00
	Cement Concrete Grade M-15 and above and PCC blocks	1	cum	620	620.00
17	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1	kg	117.5	118.00
18	Silt clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	348.5	349.00
19	Sludge clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	372.5	373.00

20	Providing and constructing of RR stone masonry circular manholes of "Type-Z" with internal dia 0.56m and depth upto 0.90 m having 300mm thick RR stone masonry wall in cement sand mortar 1:4, including concreting PCC M-10 grade (1:3:6) for 225mm thick foundation including curing compaction and form work etc complete, PCC M15 for benching and channel portion, PCC M15 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 roof. 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- Only Excavation work will be measured and paid separately (ZType Manholes)	1	each	8150	8150.00
21	Providing and constructing of RR stone masonry circular manholes of "Type-A" with internal dia 0.90m and depth upto 1.65m having 300mm thick RR stone masonry wall 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:-				
	Manhole "Type-A" of depth 0.90 m	1	each manhole	15550	15550.00
22	Providing and constructing extra depth of manhole "Type-A" for depth beyond 0.90 m and upto 1.65 m with RR stone masonry including 20mm plaster inside and outside as per drawing and direction of Engineer.	1	metre	8380	8380.00
23	Supplying & fixing 560mm opening dia SFRC manhole cover as per IS : 12592-2002 in existing manholes frame complete in all respect as directed by the Engineer	1	each	1407	1407.00
24	Raising circular brick/RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab, taking out the existing CI frame & cover of manhole and raising it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Brick work / RR stone work of raising depth of manhole to be paid separately)	1	each	570	570.00

25	Lowering of circular brick / RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab and manhole wall, taking out the existing CI frame & cover of manhole and lowering it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Dismantling of brick work / RR stone work depth of manhole to be paid separately)	1	each	570	570.00
Total					73092.00

Work amount upto Rs. 5.00 lacs

Terms and Condition :-

1. सभी प्रकार के कर (टैक्स) संवेदक द्वारा ही वहन किये जायेंगे।
2. कार्य स्थल पर श्रमिक व सामग्री की सुरक्षा की जिम्मेवारी संवेदक की होगी।
3. जी.सारणी में वर्णित कार्यों के अतिरिक्त व अधिक कार्य संवेदक द्वारा दी गई दरों के आधार पर करवाये जा सकेंगे।
4. कार्य स्थल पर कार्य सम्बंधित सूचनाएं दर्शाने वाला बोर्ड संवेदक को स्वयं के स्तर पर लगाना होगा।
5. टंकण त्रुटी की अवस्था में सम्बन्धित रेट मान्य होगी।
6. कार्य करने से पूर्व एवं कार्य करने के पश्चात कार्य स्थल की फोटो/विडियोग्राफी सीडी आवश्यक रूप से कार्यालय में जमा कराने होंगे।
7. दोष निवारण अवधि नियमानुसार रहेगी।
8. दरें 4 माह तक मान्य रहेगी।
9. सशर्त निविदा स्वीकार नहीं होगी।
10. निष्पादन सुरक्षा राशि 10 प्रतिशत मय अनुबन्ध के जमा कराना होगा।



**EXECUTIVE ENGINEER
NAGAR NIGAM, JODHPUR.**

I/We hereby agree to do the above work @ _____ Above/below the "G" Schedule.

(Signature of Contractor)

MUNICIPAL CORPORATION, JODHPUR (SOUTH)

GSCHEDULE

NIT No. date
 Last Date of Sale :-
 Date of Receipt :-
 Copy issued to M/s

Sr No.
 Earnest Money : Rs.
 CR No. Dated.

Name of Work :- Sewer line and manhole repair work at various places in ward No 16 (ARC)

S. No.	ITEMS	QTY.		RATE In Rs.	AMOUNT
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 such as moorum, sand, sandy silt, clay, black cotton soil, kankar, etc.				
	Depth upto 1.5 m	1.00	cum	274.50	275.00
	Add extra for over all depth of excavation above 1.5 m and upto 3.0 m over item no 17.1.1.1	1.00	cum	19.20	19.00
2	Dismantling of flexible pavements for sewer line and manholes and disposal of dismantled materials up to a lead of 50 metres, stacking serviceable and unserviceable materials separately as directed by Engineer.				
	Bituminous courses	1.00	cum	493.50	494.00
	Granular courses	1.00	cum	343.50	344.00
3	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 testing of the sewer pipe line (including cost and conveyance of water to site) etc., complete as per specification and / or as directed by Engineer. Note : E/w to be measured and paid separately				
	200 mm internal diameter	1.00	metre	618.00	618.00
	250 mm internal diameter	1.00	metre	883.00	883.00
	300 mm internal diameter	1.00	metre	1158.00	1158.00
	450 mm internal diameter	1.00	metre	2715.00	2715.00

4	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.				
	200 mm internal diameter	1.00	metre	158.00	158.00
	250 mm internal diameter	1.00	metre	175.00	175.00
	300 mm internal diameter	1.00	metre	199.00	199.00
	450 mm internal diameter	1.00	metre	335.50	336.00
5	Random rubble masonry with hard stone in foundation and plinth : Cement mortar 1:6 (1 cement : 6 coarse sand)	1.00	cum	4245.0	4245.00
6	Cement plastering including T&P, scaffolding, material and complete labpour, including cost of water, curing, racking of joints etc. with 15 mm cement plaster of mix :1:6 (1 cement : 6 fine/ coarse sand)	1.00	Sqm.	222.00	222.00
7	Supplying and fixing soorsagar bhura or equialent ashlar sills lintel and dassa ,bearing ,bed and top surface made perfeently even jams ,skirting steps etc. rough dressed upto 15 cm thick.	1.00	cum	4473.0	4473.00
8	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	1.00	each	2685.00	2685.00
9	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :1:4:8 (1 Cement : 4 fine/ coarse sand : 8 graded stone aggregate 40 mm nominal size).	1.00	cum	4340.00	4340.00
10	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level : 1:1½:3 (1 Cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size). For road restoration.	1.00	cum	5810.00	5810.00
11	Carriage of Materials by mechanical transport including loading, unloading and stacking ::5km For road restoration.				
	earth	1.00	cum	245.95	246.00
	Sand, bazri, ballast, kankar	1.00	cum	196.76	197.00
12	Providing and fixing of precast concrete interlocking tiles of desired shape of M 30 grade manufactured from fully computerized automatic stationery hydraulic viebro pressed machine and fully computerized automatic batching plant of class A1/A2 as per BS 6717:2001. The CC interlocking paving blocks be laid on average 50mm. thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications. Tensile splitting strength, abrasion and braking load etc. as per BS 6717:2001, Grey cement. 80mm thick	1.00	Sqm.	855.00	855.00

13	Providing and fixing of 60mm thick precast cement concrete interlocking paver block casted with rubber moulds in approved reflective colour and design having minimum compressive strength of 300 kg/ sq cm. The CC paving blocks be laid on average 50mm thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications.	1.00	Sqm.	737.00	737.00
14	Emptying of septic tank/ soakage well etc, disposing of sludge within a lead of 5km and taking out sewage including refilling with local earth, ramming and compaction in layers, cleaning of site.	1.00	Nos.	4630.00	4630.00
15	Providing at site, lowering & laying in trenches, aligning & jointing of PVC-U pipes (SN 8) as per IS 15328 (amended up to date) and as per specifications with rubber rings with socket and spigot joint, (EPDM/SBR) for all depths for pipe length as per drawing and specification including hydraulic field testing (including the cost and conveyance of water to site for testing) and commissioning etc complete as directed by Engineer. Note : E/w to be measured and paid separately. Length of pipe shall be measured in between the outer wall of two manholes / Inspection chambers. Pipe in the manhole/inspection chamber's wall shall deemed to be included in the item of manhole/inspection chamber shall not be payable.				
	110 mm nominal dia	1	MTR	267.5	268.00
	160 mm nominal dia	1	MTR	558	558.00
16	Dismantling of existing structures like culverts, bridges, retaining walls, CC road and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 50 metres as directed by Engineer.				
	Lime Concrete, cement concrete grade M-10 (1:5:10) and below	1	cum	365	365.00
	Cement Concrete Grade M-15 and above and PCC blocks	1	cum	620	620.00
17	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1	kg	117.5	118.00
18	Silt clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	348.5	349.00
19	Sludge clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	372.5	373.00

20	Providing and constructing of RR stone masonry circular manholes of "Type-Z" with internal dia 0.56m and depth upto 0.90 m having 300mm thick RR stone masonry wall in cement sand mortar 1:4, including concreting PCC M-10 grade (1:3:6) for 225mm thick foundation including curing compaction and form work etc complete, PCC M15 for benching and channel portion, PCC M15 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 roof. 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- Only Excavation work will be measured and paid separately (ZType Manholes)	1	each	8150	8150.00
21	Providing and constructing of RR stone masonry circular manholes of "Type-A" with internal dia 0.90m and depth upto 1.65m having 300mm thick RR stone masonry wall 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:-				
	Manhole "Type-A" of depth 0.90 m	1	each manhole	15550	15550.00
22	Providing and constructing extra depth of manhole "Type-A" for depth beyond 0.90 m and upto 1.65 m with RR stone masonry including 20mm plaster inside and outside as per drawing and direction of Engineer.	1	metre	8380	8380.00
23	Supplying & fixing 560mm opening dia SFRC manhole cover as per IS : 12592-2002 in existing manholes frame complete in all respect as directed by the Engineer	1	each	1407	1407.00
24	Raising circular brick/RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab, taking out the existing CI frame & cover of manhole and raising it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Brick work / RR stone work of raising depth of manhole to be paid separately)	1	each	570	570.00

25	Lowering of circular brick / RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab and manhole wall, taking out the existing CI frame & cover of manhole and lowering it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Dismantling of brick work / RR stone work depth of manhole to be paid separately)	1	each	570	570.00
Total					73092.00

Work amount upto Rs. 5.00 lacs

Terms and Condition :-

1. सभी प्रकार के कर (टैक्स) संवेदक द्वारा ही वहन किये जायेंगे।
2. कार्य स्थल पर श्रमिक व सामग्री की सुरक्षा की जिम्मेवारी संवेदक की होगी।
3. जी.सारणी में वर्णित कार्यों के अतिरिक्त व अधिक कार्य संवेदक द्वारा दी गई दरों के आधार पर करवाये जा सकेंगे।
4. कार्य स्थल पर कार्य सम्बंधित सूचनाएं दर्शाने वाला बोर्ड संवेदक को स्वयं के स्तर पर लगाना होगा।
5. टंकण त्रुटी की अवस्था में सम्बन्धित रेट मान्य होगी।
6. कार्य करने से पूर्व एवं कार्य करने के पश्चात कार्य स्थल की फोटो/विडियोग्राफी सीडी आवश्यक रूप से कार्यालय में जमा कराने होंगे।
7. दोष निवारण अवधि नियमानुसार रहेगी।
8. दरें 4 माह तक मान्य रहेगी
9. सशर्त निविदा स्वीकार नहीं होगी।
10. निष्पादन सुरक्षा राशि 10 प्रतिशत मय अनुबन्ध के जमा कराना होगा।



EXECUTIVE ENGINEER
NAGAR NIGAM, JODHPUR.

I/We hereby agree to do the above work @ _____ Above/below the "G" Schedule.

(Signature of Contractor)

MUNICIPAL CORPORATION, JODHPUR (SOUTH)

GSCHEDULE

NIT No. date

Last Date of Sale :-

Date of Receipt :-

Copy issued to M/s

Sr No.

Earnest Money : Rs.

CR No. Dated.

Name of Work :- Sewer line and manhole repair work at various places in ward No 17 (ARC)

S. No.	ITEMS	QTY.		RATE In Rs.	AMOUNT
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 such as moorum, sand, sandy silt, clay, black cotton soil, kankar, etc.				
	Depth upto 1.5 m	1.00	cum	274.50	275.00
	Add extra for over all depth of excavation above 1.5 m and upto 3.0 m over item no 17.1.1.1	1.00	cum	19.20	19.00
2	Dismantling of flexible pavements for sewer line and manholes and disposal of dismantled materials up to a lead of 50 metres, stacking serviceable and unserviceable materials separately as directed by Engineer.				
	Bituminous courses	1.00	cum	493.50	494.00
	Granular courses	1.00	cum	343.50	344.00
3	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 testing of the sewer pipe line (including cost and conveyance of water to site) etc., complete as per specification and / or as directed by Engineer. Note : E/w to be measured and paid separately				
	200 mm internal diameter	1.00	metre	618.00	618.00
	250 mm internal diameter	1.00	metre	883.00	883.00
	300 mm internal diameter	1.00	metre	1158.00	1158.00
	450 mm internal diameter	1.00	metre	2715.00	2715.00

4	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.				
	200 mm internal diameter	1.00	metre	158.00	158.00
	250 mm internal diameter	1.00	metre	175.00	175.00
	300 mm internal diameter	1.00	metre	199.00	199.00
	450 mm internal diameter	1.00	metre	335.50	336.00
5	Random rubble masonry with hard stone in foundation and plinth : Cement mortar 1:6 (1 cement : 6 coarse sand)	1.00	cum	4245.0	4245.00
6	Cement plastering including T&P, scaffolding, material and complete labpou, including cost of water, curing, racking of joints etc. with 15 mm cement plaster of mix :1:6 (1 cement : 6 fine/ coarse sand)	1.00	Sqm.	222.00	222.00
7	Supplying and fixing soorsagar bhura or equivalent ashlar sills lintel and dassa ,bearing ,bed and top surface made perfeectly even jambs ,skirting steps etc. rough dressed upto 15 cm thick.	1.00	cum	4473.0	4473.00
8	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	1.00	each	2685.00	2685.00
9	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :1:4:8 (1 Cement : 4 fine/ coarse sand : 8 graded stone aggregate 40 mm nominal size).	1.00	cum	4340.00	4340.00
10	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level : 1:1½:3 (1 Cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size). For road restoration.	1.00	cum	5810.00	5810.00
11	Carriage of Materials by mechanical transport including loading, unloading and stacking ::5km For road restoration.				
	earth	1.00	cum	245.95	246.00
	Sand, bazri, ballast, kankar	1.00	cum	196.76	197.00
12	Providing and fixing of precast concrete interlocking tiles of desired shape of M 30 grade manufactured from fully computerized automatic stationery hydraulic viebro pressed machine and fully computerized automatic batching plant of class A1/A2 as per BS 6717:2001. The CC interlocking paving blocks be laid on average 50mm. thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications. Tensile splitting strength, abrasion and braking load etc. as per BS 6717:2001, Grey cement. 80mm thick	1.00	Sqm.	855.00	855.00

13	Providing and fixing of 60mm thick precast cement concrete interlocking paver block casted with rubber moulds in approved reflective colour and design having minimum compressive strength of 300 kg/ sq cm. The CC paving blocks be laid on average 50mm thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications.	1.00	Sqm.	737.00	737.00
14	Emptying of septic tank/ soakage well etc, disposing of sludge within a lead of 5km and taking out sewage including refilling with local earth, ramming and compaction in layers, cleaning of site.	1.00	Nos.	4630.00	4630.00
15	Providing at site, lowering & laying in trenches, aligning & jointing of PVC-U pipes (SN 8) as per IS 15328 (amended up to date) and as per specifications with rubber rings with socket and spigot joint, (EPDM/SBR) for all depths for pipe length as per drawing and specification including hydraulic field testing (including the cost and conveyance of water to site for testing) and commissioning etc complete as directed by Engineer. Note : E/w to be measured and paid separately. Length of pipe shall be measured in between the outer wall of two manholes / Inspection chambers. Pipe in the manhole/inspection chamber's wall shall deemed to be included in the item of manhole/inspection chamber shall not be payable.				
	110 mm nominal dia	1	MTR	267.5	268.00
	160 mm nominal dia	1	MTR	558	558.00
16	Dismantling of existing structures like culverts, bridges, retaining walls, CC road and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 50 metres as directed by Engineer.				
	Lime Concrete, cement concrete grade M-10 (1:5:10) and below	1	cum	365	365.00
	Cement Concrete Grade M-15 and above and PCC blocks	1	cum	620	620.00
17	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1	kg	117.5	118.00
18	Silt clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	348.5	349.00
19	Sludge clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	372.5	373.00

20	Providing and constructing of RR stone masonry circular manholes of "Type-Z" with internal dia 0.56m and depth upto 0.90 m having 300mm thick RR stone masonry wall in cement sand mortar 1:4, including concreting PCC M-10 grade (1:3:6) for 225mm thick foundation including curing compaction and form work etc complete, PCC M15 for benching and channel portion, PCC M15 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 roof. 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- Only Excavation work will be measured and paid separately (ZType Manholes)	1	each	8150	8150.00
21	Providing and constructing of RR stone masonry circular manholes of "Type-A" with internal dia 0.90m and depth upto 1.65m having 300mm thick RR stone masonry wall 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:-				
	Manhole "Type-A" of depth 0.90 m	1	each manhole	15550	15550.00
22	Providing and constructing extra depth of manhole "Type-A" for depth beyond 0.90 m and upto 1.65 m with RR stone masonry including 20mm plaster inside and outside as per drawing and direction of Engineer.	1	metre	8380	8380.00
23	Supplying & fixing 560mm opening dia SFRC manhole cover as per IS : 12592-2002 in existing manholes frame complete in all respect as directed by the Engineer	1	each	1407	1407.00
24	Raising circular brick/RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab, taking out the existing CI frame & cover of manhole and raising it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Brick work / RR stone work of raising depth of manhole to be paid separately)	1	each	570	570.00

25	Lowering of circular brick / RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab and manhole wall, taking out the existing CI frame & cover of manhole and lowering it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Dismantling of brick work / RR stone work depth of manhole to be paid separately)	1	each	570	570.00
Total					73092.00

Work amount upto Rs. 5.00 lacs

Terms and Condition :-

1. सभी प्रकार के कर (टैक्स) संवेदक द्वारा ही वहन किये जायेंगे।
2. कार्य स्थल पर श्रमिक व सामग्री की सुरक्षा की जिम्मेवारी संवेदक की होगी।
3. जी.सारणी में वर्णित कार्यों के अतिरिक्त व अधिक कार्य संवेदक द्वारा दी गई दरों के आधार पर करवाये जा सकेंगे।
4. कार्य स्थल पर कार्य सम्बंधित सूचनाएं दर्शाने वाला बोर्ड संवेदक को स्वयं के स्तर पर लगाना होगा।
5. टंकण त्रुटी की अवस्था में सम्बन्धित रेट मान्य होगी।
6. कार्य करने से पूर्व एवं कार्य करने के पश्चात कार्य स्थल की फोटो/विडियोग्राफी सीडी आवश्यक रूप से कार्यालय में जमा कराने होंगे।
7. दोष निवारण अवधि नियमानुसार रहेगी।
8. दरें 4 माह तक मान्य रहेगी
9. सशर्त निविदा स्वीकार नहीं होगी।
10. निष्पादन सुरक्षा राशि 10 प्रतिशत मय अनुबन्ध के जमा कराना होगा।



EXECUTIVE ENGINEER
NAGAR NIGAM, JODHPUR.

I/We hereby agree to do the above work @ _____ Above/below the "G" Schedule.

(Signature of Contractor)

MUNICIPAL CORPORATION, JODHPUR (SOUTH)

GSCHEDULE

NIT No. date

Last Date of Sale :-

Date of Receipt :-

Copy issued to M/s

Sr No.

Earnest Money : Rs.

CR No. Dated.

Name of Work :- Sewer line and manhole repair work at various places in ward No 18 (ARC)

S. No.	ITEMS	QTY.		RATE In Rs.	AMOUNT
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 such as moorum, sand, sandy silt, clay, black cotton soil, kankar, etc.				
	Depth upto 1.5 m	1.00	cum	274.50	275.00
	Add extra for over all depth of excavation above 1.5 m and upto 3.0 m over item no 17.1.1.1	1.00	cum	19.20	19.00
2	Dismantling of flexible pavements for sewer line and manholes and disposal of dismantled materials up to a lead of 50 metres, stacking serviceable and unserviceable materials separately as directed by Engineer.				
	Bituminous courses	1.00	cum	493.50	494.00
	Granular courses	1.00	cum	343.50	344.00
3	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 testing of the sewer pipe line (including cost and conveyance of water to site) etc., complete as per specification and / or as directed by Engineer. Note : E/w to be measured and paid separately				
	200 mm internal diameter	1.00	metre	618.00	618.00
	250 mm internal diameter	1.00	metre	883.00	883.00
	300 mm internal diameter	1.00	metre	1158.00	1158.00
	450 mm internal diameter	1.00	metre	2715.00	2715.00

4	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.				
	200 mm internal diameter	1.00	metre	158.00	158.00
	250 mm internal diameter	1.00	metre	175.00	175.00
	300 mm internal diameter	1.00	metre	199.00	199.00
	450 mm internal diameter	1.00	metre	335.50	336.00
5	Random rubble masonry with hard stone in foundation and plinth : Cement mortar 1:6 (1 cement : 6 coarse sand)	1.00	cum	4245.0	4245.00
6	Cement plastering including T&P, scaffolding, material and complete labpour, including cost of water, curing, racking of joints etc. with 15 mm cement plaster of mix :1:6 (1 cement : 6 fine/ coarse sand)	1.00	Sqm.	222.00	222.00
7	Supplying and fixing soorsagar bhura or equialent ashlar sills lintel and dassa ,bearing ,bed and top surface made perfeently even jambs ,skirting steps etc. rough dressed upto 15 cm thick.	1.00	cum	4473.0	4473.00
8	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	1.00	each	2685.00	2685.00
9	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :1:4:8 (1 Cement : 4 fine/ coarse sand : 8 graded stone aggregate 40 mm nominal size).	1.00	cum	4340.00	4340.00
10	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level : 1:1½:3 (1 Cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size). For road restoration.	1.00	cum	5810.00	5810.00
11	Carriage of Materials by mechanical transport including loading, unloading and stacking ::5km For road restoration.				
	earth	1.00	cum	245.95	246.00
	Sand, bazri, ballast, kankar	1.00	cum	196.76	197.00
12	Providing and fixing of precast concrete interlocking tiles of desired shape of M 30 grade manufactured from fully computerized automatic stationery hydraulic viebro pressed machine and fully computerized automatic batching plant of class A1/A2 as per BS 6717:2001. The CC interlocking paving blocks be laid on average 50mm. thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications. Tensile splitting strength, abrasion and braking load etc. as per BS 6717:2001, Grey cement. 80mm thick	1.00	Sqm.	855.00	855.00

13	Providing and fixing of 60mm thick precast cement concrete interlocking paver block casted with rubber moulds in approved reflective colour and design having minimum compressive strength of 300 kg/ sq cm. The CC paving blocks be laid on average 50mm thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications.	1.00	Sqm.	737.00	737.00
14	Emptying of septic tank/ soakage well etc, disposing of sludge within a lead of 5km and taking out sewage including refilling with local earth, ramming and compaction in layers, cleaning of site.	1.00	Nos.	4630.00	4630.00
15	Providing at site, lowering & laying in trenches, aligning & jointing of PVC-U pipes (SN 8) as per IS 15328 (amended up to date) and as per specifications with rubber rings with socket and spigot joint, (EPDM/SBR) for all depths for pipe length as per drawing and specification including hydraulic field testing (including the cost and conveyance of water to site for testing) and commissioning etc complete as directed by Engineer. Note : E/w to be measured and paid separately. Length of pipe shall be measured in between the outer wall of two manholes / Inspection chambers. Pipe in the manhole/inspection chamber's wall shall deemed to be included in the item of manhole/inspection chamber shall not be payable.				
	110 mm nominal dia	1	MTR	267.5	268.00
	160 mm nominal dia	1	MTR	558	558.00
16	Dismantling of existing structures like culverts, bridges, retaining walls, CC road and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 50 metres as directed by Engineer.				
	Lime Concrete, cement concrete grade M-10 (1:5:10) and below	1	cum	365	365.00
	Cement Concrete Grade M-15 and above and PCC blocks	1	cum	620	620.00
17	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1	kg	117.5	118.00
18	Silt clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	348.5	349.00
19	Sludge clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	372.5	373.00


20	<p>Providing and constructing of RR stone masonry circular manholes of "Type-Z" with internal dia 0.56m and depth upto 0.90 m having 300mm thick RR stone masonry wall in cement sand mortar 1:4, including concreting PCC M-10 grade (1:3:6) for 225mm thick foundation including curing compaction and form work etc complete, PCC M15 for benching and channel portion, PCC M15 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 roof. 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- Only Excavation work will be measured and paid separately (ZType Manholes)</p>	1	each	8150	8150.00
21	<p>Providing and constructing of RR stone masonry circular manholes of "Type-A" with internal dia 0.90m and depth upto 1.65m having 300mm thick RR stone masonry wall 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:-</p>				
	Manhole "Type-A" of depth 0.90 m	1	each manhole	15550	15550.00
22	<p>Providing and constructing extra depth of manhole "Type-A" for depth beyond 0.90 m and upto 1.65 m with RR stone masonry including 20mm plaster inside and outside as per drawing and direction of Engineer.</p>	1	metre	8380	8380.00
23	<p>Supplying & fixing 560mm opening dia SFRC manhole cover as per IS : 12592-2002 in existing manholes frame complete in all respect as directed by the Engineer</p>	1	each	1407	1407.00
24	<p>Raising circular brick/RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab, taking out the existing CI frame & cover of manhole and raising it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Brick work / RR stone work of raising depth of manhole to be paid separately)</p>	1	each	570	570.00

25	Lowering of circular brick / RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab and manhole wall, taking out the existing CI frame & cover of manhole and lowering it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Dismantling of brick work / RR stone work depth of manhole to be paid separately)	1	each	570	570.00
Total					73092.00

Work amount upto Rs. 5.00 lacs

Terms and Condition :-

1. सभी प्रकार के कर (टैक्स) संवेदक द्वारा ही वहन किये जायेंगे।
2. कार्य स्थल पर श्रमिक व सामग्री की सुरक्षा की जिम्मेवारी संवेदक की होगी।
3. जी.सारणी में वर्णित कार्यों के अतिरिक्त व अधिक कार्य संवेदक द्वारा दी गई दरों के आधार पर करवाये जा सकेंगे।
4. कार्य स्थल पर कार्य सम्बंधित सूचनाएं दर्शाने वाला बोर्ड संवेदक को स्वयं के स्तर पर लगाना होगा।
5. टंकण चुटी की अवस्था में सम्बन्धित रेट मान्य होगी।
6. कार्य करने से पूर्व एवं कार्य करने के पश्चात कार्य स्थल की फोटो/विडियोग्राफी सीडी आवश्यक रूप से कार्यालय में जमा कराने होंगे।
7. दोष निवारण अवधि नियमानुसार रहेगी।
8. दरें 4 माह तक मान्य रहेगी
9. सशर्त निविदा स्वीकार नहीं होगी।
10. निष्पादन सुरक्षा राशि 10 प्रतिशत मय अनुबन्ध के जमा कराना होगा।


EXECUTIVE ENGINEER
NAGAR NIGAM, JODHPUR.

I/We hereby agree to do the above work @ _____ Above/below the "G" Schedule.

(Signature of Contractor)

MUNICIPAL CORPORATION, JODHPUR (SOUTH)

GSCCHEDULE

NIT No. date
 Last Date of Sale :-
 Date of Receipt :-
 Copy issued to M/s

Sr No.
 Earnest Money : Rs.
 CR No. Dated.

Name of Work :- Sewer line and manhole repair work at various places in ward No 19 (ARC)

S. No.	ITEMS	QTY.		RATE In Rs.	AMOUNT
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 such as moorum, sand, sandy silt, clay, black cotton soil, kankar, etc.				
	Depth upto 1.5 m	1.00	cum	274.50	275.00
	Add extra for over all depth of excavation above 1.5 m and upto 3.0 m over item no 17.1.1.1	1.00	cum	19.20	19.00
2	Dismantling of flexible pavements for sewer line and manholes and disposal of dismantled materials up to a lead of 50 metres, stacking serviceable and unserviceable materials separately as directed by Engineer.				
	Bituminous courses	1.00	cum	493.50	494.00
	Granular courses	1.00	cum	343.50	344.00
3	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 testing of the sewer pipe line (including cost and conveyance of water to site) etc., complete as per specification and / or as directed by Engineer. Note : E/w to be measured and paid separately				
	200 mm internal diameter	1.00	metre	618.00	618.00
	250 mm internal diameter	1.00	metre	883.00	883.00
	300 mm internal diameter	1.00	metre	1158.00	1158.00
	450 mm internal diameter	1.00	metre	2715.00	2715.00

4	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.				
		1.00	metre	158.00	158.00
	200 mm internal diameter	1.00	metre	175.00	175.00
	250 mm internal diameter	1.00	metre	199.00	199.00
	300 mm internal diameter	1.00	metre	335.50	336.00
	450 mm internal diameter	1.00	metre		
5	Random rubble masonry with hard stone in foundation and plinth : Cement mortar 1:6 (1 cement : 6 coarse sand)	1.00	cum	4245.0	4245.00
6	Cement plastering including T&P, scaffolding, material and complete labpour, including cost of water, curing, racking of joints etc. with 15 mm cement plaster of mix :1:6 (1 cement : 6 fine/ coarse sand)	1.00	Sqm.	222.00	222.00
7	Supplying and fixing soorsagar bhura or equalent ashlar sills lintel and dassa ,bearing ,bed and top surface made perfecltly even jambs ,skirting steps etc. rough dressed upto 15 cm thick.	1.00	cum	4473.0	4473.00
8	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	1.00	each	2685.00	2685.00
9	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :1:4:8 (1 Cement : 4 fine/ coarse sand : 8 graded stone aggregate 40 mm nominal size).	1.00	cum	4340.00	4340.00
10	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level : 1:1½:3 (1 Cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size). For road restoration.	1.00	cum	5810.00	5810.00
11	Carriage of Materials by mechanical transport including loading, unloading and stacking ::5km For road restoration.				
	earth	1.00	cum	245.95	246.00
	Sand, bazri, ballast, kankar	1.00	cum	196.76	197.00
12	Providing and fixing of precast concrete interlocking tiles of desired shape of M 30 grade manufactured from fully computerized automatic stationery hydraulic viebro pressed machine and fully computerized automatic batching plant of class A1/A2 as per BS 6717:2001. The CC interlocking paving blocks be laid on average 50mm. thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications. Tensile splitting strength, abrasion and braking load etc. as per BS 6717:2001, Grey cement. 80mm thick	1.00	Sqm.	855.00	855.00

13	Providing and fixing of 60mm thick precast cement concrete interlocking paver block casted with rubber moulds in approved reflective colour and design having minimum compressive strength of 300 kg/ sq cm. The CC paving blocks be laid on average 50mm thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications.	1.00	Sqm.	737.00	737.00
14	Emptying of septic tank/ soakage well etc, disposing of sludge within a lead of 5km and taking out sewage including refilling with local earth, ramming and compaction in layers, cleaning of site.	1.00	Nos.	4630.00	4630.00
15	Providing at site, lowering & laying in trenches, aligning & jointing of PVC-U pipes (SN 8) as per IS 15328 (amended up to date) and as per specifications with rubber rings with socket and spigot joint, (EPDM/SBR) for all depths for pipe length as per drawing and specification including hydraulic field testing (including the cost and conveyance of water to site for testing) and commissioning etc complete as directed by Engineer. Note : E/w to be measured and paid separately. Length of pipe shall be measured in between the outer wall of two manholes / Inspection chambers. Pipe in the manhole/inspection chamber's wall shall deemed to be included in the item of manhole/inspection chamber shall not be payable.				
	110 mm nominal dia	1	MTR	267.5	268.00
	160 mm nominal dia	1	MTR	558	558.00
16	Dismantling of existing structures like culverts, bridges, retaining walls, CC road and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 50 metres as directed by Engineer.				
	Lime Concrete, cement concrete grade M-10 (1:5:10) and below	1	cum	365	365.00
	Cement Concrete Grade M-15 and above and PCC blocks	1	cum	620	620.00
17	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1	kg	117.5	118.00
18	Silt clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	348.5	349.00
19	Sludge clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	372.5	373.00


20	Providing and constructing of RR stone masonry circular manholes of "Type-Z" with internal dia 0.56m and depth upto 0.90 m having 300mm thick RR stone masonry wall in cement sand mortar 1:4, including concreting PCC M-10 grade (1:3:6) for 225mm thick foundation including curing compaction and form work etc complete, PCC M15 for benching and channel portion, PCC M15 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 roof. 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- Only Excavation work will be measured and paid separately (ZType Manholes)	1	each	8150	8150.00
21	Providing and constructing of RR stone masonry circular manholes of "Type-A" with internal dia 0.90m and depth upto 1.65m having 300mm thick RR stone masonry wall 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:-				
	Manhole "Type-A" of depth 0.90 m	1	each manhole	15550	15550.00
22	Providing and constructing extra depth of manhole "Type-A" for depth beyond 0.90 m and upto 1.65 m with RR stone masonry including 20mm plaster inside and outside as per drawing and direction of Engineer.	1	metre	8380	8380.00
23	Supplying & fixing 560mm opening dia SFRC manhole cover as per IS : 12592-2002 in existing manholes frame complete in all respect as directed by the Engineer	1	each	1407	1407.00
24	Raising circular brick/RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab, taking out the existing CI frame & cover of manhole and raising it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Brick work / RR stone work of raising depth of manhole to be paid separately)	1	each	570	570.00

25	Lowering of circular brick / RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab and manhole wall, taking out the existing CI frame & cover of manhole and lowering it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Dismantling of brick work / RR stone work depth of manhole to be paid separately)	1	each	570	570.00
Total					73092.00

Work amount upto Rs. 5.00 lacs

Terms and Condition :-

1. सभी प्रकार के कर (टैक्स) संवेदक द्वारा ही वहन किये जायेंगे।
2. कार्य स्थल पर श्रमिक व सामग्री की सुरक्षा की जिम्मेवारी संवेदक की होगी।
3. जी.सारणी में वर्णित कार्यों के अतिरिक्त व अधिक कार्य संवेदक द्वारा दी गई दरों के आधार पर करवाये जा सकेंगे।
4. कार्य स्थल पर कार्य सम्बंधित सूचनाएं दर्शाने वाला बोर्ड संवेदक को स्वयं के स्तर पर लगाना होगा।
5. टंकण त्रुटी की अवस्था में सम्बन्धित रेट मान्य होगी।
6. कार्य करने से पूर्व एवं कार्य करने के पश्चात कार्य स्थल की फोटो/विडियोग्राफी सीडी आवश्यक रूप से कार्यालय में जमा कराने होंगे।
7. दोष निवारण अवधि नियमानुसार रहेगी।
8. दरें 4 माह तक मान्य रहेगी
9. सशर्त निविदा स्वीकार नहीं होगी।
10. निष्पादन सुरक्षा राशि 10 प्रतिशत मय अनुबन्ध के जमा कराना होगा।


 EXECUTIVE ENGINEER
 NAGAR NIGAM, JODHPUR.

I/We hereby agree to do the above work @ _____ Above/below the "G" Schedule.

(Signature of Contractor)

MUNICIPAL CORPORATION, JODHPUR (SOUTH)

GSCHEDULE

NIT No. date
 Last Date of Sale :-
 Date of Receipt :-
 Copy issued to M/s

Sr No.
 Earnest Money : Rs.
 CR No. Dated.

Name of Work :- Sewer line and manhole repair work at various places in ward No 20 (ARC)

S. No.	ITEMS	QTY.		RATE In Rs.	AMOUNT
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 such as moorum, sand, sandy silt, clay, black cotton soil, kankar. etc.				
	Depth upto 1.5 m	1.00	cum	274.50	275.00
	Add extra for over all depth of excavation above 1.5 m and upto 3.0 m over item no 17.1.1.1	1.00	cum	19.20	19.00
2	Dismantling of flexible pavements for sewer line and manholes and disposal of dismantled materials up to a lead of 50 metres, stacking serviceable and unserviceable materials separately as directed by Engineer.				
	Bituminous courses	1.00	cum	493.50	494.00
	Granular courses	1.00	cum	343.50	344.00
3	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 testing of the sewer pipe line (including cost and conveyance of water to site) etc., complete as per specification and / or as directed by Engineer. Note : E/w to be measured and paid separately				
	200 mm internal diameter	1.00	metre	618.00	618.00
	250 mm internal diameter	1.00	metre	883.00	883.00
	300 mm internal diameter	1.00	metre	1158.00	1158.00
	450 mm internal diameter	1.00	metre	2715.00	2715.00

4	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.				
	200 mm internal diameter	1.00	metre	158.00	158.00
	250 mm internal diameter	1.00	metre	175.00	175.00
	300 mm internal diameter	1.00	metre	199.00	199.00
	450 mm internal diameter	1.00	metre	335.50	336.00
5	Random rubble masonry with hard stone in foundation and plinth : Cement mortar 1:6 (1 cement : 6 coarse sand)	1.00	cum	4245.0	4245.00
6	Cement plastering including T&P, scaffolding, material and complete labpour, including cost of water, curing, racking of joints etc. with 15 mm cement plaster of mix :1:6 (1 cement : 6 fine/ coarse sand)	1.00	Sqm.	222.00	222.00
7	Supplying and fixing soorsagar bhura or equivalent ashlar sills lintel and dassa ,bearing ,bed and top surface made perfeently even jambs ,skirting steps etc. rough dressed upto 15 cm thick.	1.00	cum	4473.0	4473.00
8	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	1.00	each	2685.00	2685.00
9	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :1:4:8 (1 Cement : 4 fine/ coarse sand : 8 graded stone aggregate 40 mm nominal size).	1.00	cum	4340.00	4340.00
10	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level : 1:1½:3 (1 Cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size). For road restoration.	1.00	cum	5810.00	5810.00
11	Carriage of Materials by mechanical transport including loading, unloading and stacking ::5km For road restoration.				
	earth	1.00	cum	245.95	246.00
	Sand, bazri, ballast. kankar	1.00	cum	196.76	197.00
12	Providing and fixing of precast concrete interlocking tiles of desired shape of M 30 grade manufactured from fully computerized automatic stationery hydraulic viebro pressed machine and fully computerized automatic batching plant of class A1/A2 as per BS 6717:2001. The CC interlocking paving blocks be laid on average 50mm, thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications. Tensile splitting strength, abrasion and braking load etc. as per BS 6717:2001, Grey cement. 80mm thick	1.00	Sqm.	855.00	855.00

13	Providing and fixing of 60mm thick precast cement concrete interlocking paver block casted with rubber moulds in approved reflective colour and design having minimum compressive strength of 300 kg/ sq cm. The CC paving blocks be laid on average 50mm thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications	1.00	Sqm.	737.00	737.00
14	Emptying of septic tank/ soakage well etc, disposing of sludge within a lead of 5km and taking out sewage including refilling with local earth, ramming and compaction in layers, cleaning of site.	1.00	Nos.	4630.00	4630.00
15	Providing at site, lowering & laying in trenches, aligning & jointing of PVC-U pipes (SN 8) as per IS 15328 (amended up to date) and as per specifications with rubber rings with socket and spigot joint, (EPDM/SBR) for all depths for pipe length as per drawing and specification including hydraulic field testing (including the cost and conveyance of water to site for testing) and commissioning etc complete as directed by Engineer. Note : E/w to be measured and paid separately. Length of pipe shall be measured in between the outer wall of two manholes / Inspection chambers. Pipe in the manhole/inspection chamber's wall shall deemed to be included in the item of manhole/inspection chamber shall not be payable.				
		1	MTR	267.5	268.00
		1	MTR	558	558.00
	110 mm nominal dia				
	160 mm nominal dia				
16	Dismantling of existing structures like culverts, bridges, retaining walls, CC road and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 50 metres as directed by Engineer.				
	Lime Concrete, cement concrete grade M-10 (1:5:10) and below	1	cum	365	365.00
	Cement Concrete Grade M-15 and above and PCC blocks	1	cum	620	620.00
17	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1	kg	117.5	118.00
18	Silt clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	348.5	349.00
19	Sludge clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	372.5	373.00

20	Providing and constructing of RR stone masonry circular manholes of "Type-Z" with internal dia 0.56m and depth upto 0.90 m having 300mm thick RR stone masonry wall in cement sand mortar 1:4, including concreting PCC M-10 grade (1:3:6) for 225mm thick foundation including curing compaction and form work etc complete, PCC M15 for benching and channel portion, PCC M15 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 roof. 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- Only Excavation work will be measured and paid separately (ZType Manholes)	1	each	8150	8150.00
21	Providing and constructing of RR stone masonry circular manholes of "Type-A" with internal dia 0.90m and depth upto 1.65m having 300mm thick RR stone masonry wall 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:-				
	Manhole "Type-A" of depth 0.90 m	1	each manhole	15550	15550.00
22	Providing and constructing extra depth of manhole "Type-A" for depth beyond 0.90 m and upto 1.65 m with RR stone masonry including 20mm plaster inside and outside as per drawing and direction of Engineer.	1	metre	8380	8380.00
23	Supplying & fixing 560mm opening dia SFRC manhole cover as per IS : 12592-2002 in existing manholes frame complete in all respect as directed by the Engineer	1	each	1407	1407.00
24	Raising circular brick/RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab, taking out the existing CI frame & cover of manhole and raising it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Brick work / RR stone work of raising depth of manhole to be paid separately)	1	each	570	570.00

25	Lowering of circular brick / RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab and manhole wall, taking out the existing CI frame & cover of manhole and lowering it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Dismantling of brick work / RR stone work depth of manhole to be paid separately)	1	each	570	570.00
Total					73092.00

Work amount upto Rs. 5.00 lacs

Terms and Condition :-

1. सभी प्रकार के कर (टैक्स) संवेदक द्वारा ही वहन किये जायेंगे।
2. कार्य स्थल पर श्रमिक व सामग्री की सुरक्षा की जिम्मेवारी संवेदक की होगी।
3. जी.सारणी में वर्णित कार्यों के अतिरिक्त व अधिक कार्य संवेदक द्वारा दी गई दरों के आधार पर करवाये जा सकेंगे।
4. कार्य स्थल पर कार्य सम्बन्धित सूचनाएं दर्शाने वाला बोर्ड संवेदक को स्वयं के स्तर पर लगाना होगा।
5. टंकण त्रुटी की अवस्था में सम्बन्धित रेट मान्य होगी।
6. कार्य करने से पूर्व एवं कार्य करने के पश्चात कार्य स्थल की फोटो/विडियोग्राफी सीडी आवश्यक रूप से कार्यालय में जमा कराने होंगे।
7. दोष निवारण अवधि नियमानुसार रहेगी।
8. दरें 4 माह तक मान्य रहेगी
9. सशर्त निविदा स्वीकार नहीं होगी।
10. निष्पादन सुरक्षा राशि 10 प्रतिशत मय अनुबन्ध के जमा कराना होगा।



EXECUTIVE ENGINEER
NAGAR NIGAM, JODHPUR.

I/We hereby agree to do the above work @ _____ Above/below the "G" Schedule.

(Signature of Contractor)

MUNICIPAL CORPORATION, JODHPUR (SOUTH)

GSCCHEDULE

No. date
 Date of Sale :-
 Date of Receipt :-
 Issued to M/s

Sr No.
 Earnest Money : Rs.
 CR No. Dated.

Item of Work :- Sewer line and manhole repair work at various places in ward No 21 (ARC)

No.	ITEMS	QTY.		RATE In Rs.	AMOUNT
	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 such as moorum, sand, sandy silt, clay, black cotton soil, kankar, etc.				
	Depth upto 1.5 m	1.00	cum	274.50	275.00
	Add extra for over all depth of excavation above 1.5 m and upto 3.0 m over item no 17.1.1.1	1.00	cum	19.20	19.00
	Dismantling of flexible pavements for sewer line and manholes and disposal of dismantled materials up to a lead of 50 metres, stacking serviceable and unserviceable materials separately as directed by Engineer.				
	Bituminous courses	1.00	cum	493.50	494.00
	Granular courses	1.00	cum	343.50	344.00
	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 testing of the sewer pipe line (including cost and conveyance of water to site) etc., complete as per specification and / or as directed by Engineer. Note : E/w to be measured and paid separately				
	200 mm internal diameter	1.00	metre	618.00	618.00
	250 mm internal diameter	1.00	metre	883.00	883.00
	300 mm internal diameter	1.00	metre	1158.00	1158.00
	450 mm internal diameter	1.00	metre	2715.00	2715.00

4	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.				
	200 mm internal diameter	1.00	metre	158.00	158.00
	250 mm internal diameter	1.00	metre	175.00	175.00
	300 mm internal diameter	1.00	metre	199.00	199.00
	450 mm internal diameter	1.00	metre	335.50	336.00
5	Random rubble masonry with hard stone in foundation and plinth : Cement mortar 1:6 (1 cement : 6 coarse sand)	1.00	cum	4245.0	4245.00
6	Cement plastering including T&P, scaffolding, material and complete labpour, including cost of water, curing, racking of joints etc. with 15 mm cement plaster of mix :1:6 (1 cement : 6 fine/ coarse sand)	1.00	Sqm.	222.00	222.00
7	Supplying and fixing soorsagar bhura or equalent ashlar sills lintel and dassa ,bearing ,bed and top surface made perfeently even jambs ,skirting steps etc. rough dressed upto 15 cm thick.	1.00	cum	4473.0	4473.00
	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	1.00	each	2685.00	2685.00
	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level :1:4:8 (1 Cement : 4 fine/ coarse sand : 8 graded stone aggregate 40 mm nominal size).	1.00	cum	4340.00	4340.00
	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level : 1:1½:3 (1 Cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size). For road restoration.	1.00	cum	5810.00	5810.00
	Carriage of Materials by mechanical transport including loading, unloading and stacking ::5km For road restoration.				
	earth	1.00	cum	245.95	246.00
	Sand, bazri, ballast, kankar	1.00	cum	196.76	197.00
	Providing and fixing of precast concrete interlocking tiles of desired shape of M 30 grade manufactured from fully computerized automatic stationery hydraulic viebro pressed machine and fully computerized automatic batching plant of class A1/A2 as per BS 6717:2001. The CC interlocking paving blocks be laid on average 50mm. thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications. Tensile splitting strength, abrasion and braking load etc. as per BS 6717:2001, Grey cement. 80mm thick	1.00	Sqm.	855.00	855.00

13	Providing and fixing of 60mm thick precast cement concrete interlocking paver block casted with rubber moulds in approved reflective colour and design having minimum compressive strength of 300 kg/ sq cm. The CC paving blocks be laid on average 50mm thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications	1.00	Sqm.	737.00	737.00
14	Emptying of septic tank/ soakage well etc, disposing of sludge within a lead of 5km and taking out sewage including refilling with local earth, ramming and compaction in layers, cleaning of site.	1.00	Nos.	4630.00	4630.00
15	Providing at site, lowering & laying in trenches, aligning & jointing of PVC-U pipes (SN 8) as per IS 15328 (amended up to date) and as per specifications with rubber rings with socket and spigot joint, (EPDM/SBR) for all depths for pipe length as per drawing and specification including hydraulic field testing (including the cost and conveyance of water to site for testing) and commissioning etc complete as directed by Engineer. Note : E/w to be measured and paid separately. Length of pipe shall be measured in between the outer wall of two manholes / Inspection chambers. Pipe in the manhole/inspection chamber's wall shall deemed to be included in the item of manhole/inspection chamber shall not be payable.				
	110 mm nominal dia	1	MTR	267.5	268.00
	160 mm nominal dia	1	MTR	558	558.00
16	Dismantling of existing structures like culverts, bridges, retaining walls, CC road and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 50 metres as directed by Engineer.				
	Lime Concrete, cement concrete grade M-10 (1:5:10) and below	1	cum	365	365.00
	Cement Concrete Grade M-15 and above and PCC blocks	1	cum	620	620.00
17	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	1	kg	117.5	118.00
18	Silt clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	348.5	349.00
19	Sludge clearance of drains, channels and canals with lift 1.5 Mtr and lead up to 50 Mtr.	1	cum	372.5	373.00

20	Providing and constructing of RR stone masonry circular manholes of "Type-Z" with internal dia 0.56m and depth upto 0.90 m having 300mm thick RR stone masonry wall in cement sand mortar 1:4, including concreting PCC M-10 grade (1:3:6) for 225mm thick foundation including curing compaction and form work etc complete, PCC M15 for benching and channel portion, PCC M15 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 roof. 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- Only Excavation work will be measured and paid separately (ZType Manholes)	1	each	8150	8150.00
21	Providing and constructing of RR stone masonry circular manholes of "Type-A" with internal dia 0.90m and depth upto 1.65m having 300mm thick RR stone masonry wall 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:-				
	Manhole "Type-A" of depth 0.90 m	1	each manhole	15550	15550.00
22	Providing and constructing extra depth of manhole "Type-A" for depth beyond 0.90 m and upto 1.65 m with RR stone masonry including 20mm plaster inside and outside as per drawing and direction of Engineer.	1	metre	8380	8380.00
23	Supplying & fixing 560mm opening dia SFRC manhole cover as per IS : 12592-2002 in existing manholes frame complete in all respect as directed by the Engineer	1	each	1407	1407.00
24	Raising circular brick/RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab, taking out the existing CI frame & cover of manhole and raising it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Brick work / RR stone work of raising depth of manhole to be paid separately)	1	each	570	570.00

25	Lowering of circular brick / RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab and manhole wall, taking out the existing CI frame & cover of manhole and lowering it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Dismantling of brick work / RR stone work depth of manhole to be paid separately)	1	each	570	570.00
Total					73092.00

Work amount upto Rs. 5.00 lacs

Terms and Condition :-

1. समी प्रकार के कर (टैक्स) संवेदक द्वारा ही वहन किये जायेंगे।
2. कार्य स्थल पर श्रमिक व सामग्री की सुरक्षा की जिम्मेवारी संवेदक की होगी।
3. जी.सारणी में वर्णित कार्यों के अतिरिक्त व अधिक कार्य संवेदक द्वारा दी गई दरों के आधार पर करवाये जा सकेंगे।
4. कार्य स्थल पर कार्य सम्बंधित सूचनाएं दर्शाने वाला बोर्ड संवेदक को स्वयं के स्तर पर लगाना होगा।
5. टंकण त्रुटी की अवस्था में सम्बन्धित रेट मान्य होगी।
6. कार्य करने से पूर्व एवं कार्य करने के पश्चात कार्य स्थल की फोटो/विडियोग्राफी सीडी आवश्यक रूप से कार्यालय में जमा कराने होंगे।
7. दोष निवारण अवधि नियमानुसार रहेगी।
8. दरें 4 माह तक मान्य रहेगी
9. संशर्त निविदा स्वीकार नहीं होगी।
10. निष्पादन सुरक्षा राशि 10 प्रतिशत मय अनुबन्ध के जमा कराना होगा।



EXECUTIVE ENGINEER
NAGAR NIGAM, JODHPUR.

We hereby agree to do the above work @ _____ Above/below the "G" Schedule.

(Signature of Contractor)

OFFICE OF THE NAGAR NIGAM, JODHPUR
G-SCHEDULE

NIT No. date

Last Date of Sale :-

Date of Receipt :-

Sr No.

Earnest Money : Rs.

CR No. Dated.

Copy issued to M/s

Name of Work - Bitumen Patch Repair work at various places in ward no. 6 to 21 (Annual Rate Contract)

S.No.	Item	N	Unit	Rate In Rs.	Amount
1	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 50 metres as directed by Engineer				
	Bituminous courses	1.00	Cum	411	411
	Granular courses	1.00	Cum	286.5	286.5
2	Dismantling of existing structures like culverts, bridges, retaining walls, CC road and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 50 metres as directed by Engineer.Cement	1.00	Cum	620	620
3	Earth work in excavation for roadway, including trimming bottom and side slopes in accordance with requirement of line, grades and cross sections, including disposal of surplus material with all lift and lead upto 1000 metre as per MoRT&H specification clause 301. In all type of soil .	1.00	Cum	214.5	215
4	Providing, laying, spreading (with paver finisher only) and compacting wet mix macadam (WMM) base course comprising of graded stone aggregate and granular material conforming to MORT&H specifications (Table 400-II) in layers of equal compacted thickness each consolidated, including pre-mixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tippers to site, laying in uniform layers in base course on a well prepared sub-base/ base course and compacting with power vibratory-roller to achieve the desired density complete as per MoRT&H specification clause - 406 including all material, labour, machinery, lighting, guarding	1.00	Cum	1704	1704
5	Providing, laying, spreading and compacting 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 MoRT&H specification clause - 401 including all material, labour, machinery, lighting, guarding and maintenance of diversion Grading - II Material	1.00	Cum	1324	1324
6	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.	1.00	Sqm	27.7	27.7


7	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	1	Sqm	9.9	9.9
8	Providing and laying bituminous macadam in 50/75 mm compacted thickness on prepared surface with specified graded crushed stone aggregates as per Table 500-4, Grading-II for base/ binding course, loading of aggregate with F.E. loader, heating and mixing of stone aggregate and bitumen in computerised hot mix plant, transported to site by tippers to paver, laid over a previously prepared surface with paver finisher fitted with electronic sensing device to the required grade, level and alignment and rolling with power roller and vibratory compactor as per clauses 501.6 and 501.7 to achieve the desired compaction complete as per clause 504 of MoRT&H specification and including all material, labour, machinery, lighting, guarding and maintenance of diversion but excluding cost of primer/ tack	1.00	Cum	5380	5380
9	Providing and laying open graded premix carpet 20mm thick (compacted), on prepared surface in a single course as wearing course, composed of specified graded crushed stone aggregate as per Table 500-23, premixed with bituminous binder @ 14.60 kg/ 10sqm (including cost of anti-stripping compound wherever required), including loading of material with F.E. loader, hot mixing of stone aggregate and bitumen 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 smooth wheeled roller 8-10 tonne capacity and finishing to required level to achieve the desired density as per clause 511 of MoRT&H specification including all material, labour, machinery, lighting, guarding	1.00	Sqm	106.5	106.5
10	Providing and applying premixed seal coat Type "B" comprising of thin application of fine aggregate 0.06 cum/ 10 sqm premix with bitumen binder @ 6.8 Kg/ 10 Sqm (including cost of anti-stripping compound wherever required) laying with paver finisher with electronic sensor control and rolling with power roller 8-10 tonne complete as per clause 513 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion. With Bitumen VG-grade 30	1.00	Sqm	42.5	42.5
11	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	1.00	each	2685	2685
12	Carriage of Materials by mechanical,transport, including loading, unloading and stacking Sand, bazri, ballast, kankar for lead 5 Km	1.00	Cum	196.76	196.76
13	Raising circular brick/RR stone masonry manhole with circular opening 560mm dia and frame slab to required level including dismantling existing slab, taking out the existing CI frame & cover of manhole and raising it upto ground/ road level, refixing of frame and cover in M15 (1:2:4) concrete all around the frame, including making good the damage, form work, curing, complete as directed by Engineer. (Brick work / RR stone work of raising depth of manhole to be paid separately)	1.00	each	570	570

14	Filling of Pot- holes and patch repairs with Built up Spray Grout in two layers with 53-22.4mm size of aggregate upto 75mm depth and removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 503, back filling the pot holes with hot bituminous material as per clause 506, compacting with 8-10 tonne power roller, trimming and finishing the surface to form a smooth continuous surface complete using Bitumen VG-grade 30 as per clause 503, 506 & 3004.2 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion.	1.00	SQM	268.5	268.5
Total					13847.36

SAY RS 30 LAC

Terms and Condition :-

1. सभी प्रकार के कर (टैक्स) संवेदक द्वारा ही वहन किये जायेंगे।
2. कार्य स्थल पर श्रमिक व सामग्री की सुरक्षा की जिम्मेवारी संवेदक की होगी।
3. जी.सारणी में वर्णित कार्यों के अतिरिक्त व अधिक कार्य संवेदक द्वारा दी गई दरों के आधार पर
4. कार्य स्थल पर कार्य संबंधित सूचनाएं दर्शाने वाला बोर्ड संवेदक को स्वयं के स्तर पर लगाना होगा।
5. टंकण त्रुटी की अवस्था में सम्बन्धित रेट मान्य होगी।
6. कार्य करने से पूर्व एवं कार्य करने के पश्चात कार्य स्थल की फोटो/विडियोग्राफी सीडी आवश्यक
7. दोष निवारण अवधि नियमानुसार रहेंगी।
8. दरें 4 माह तक मान्य रहेगी
9. सशर्त निविदा स्वीकार नहीं होगी।
10. निष्पादन सुरक्षा राशि 10 प्रतिशत मय अनुबन्ध के जमा कराना होगा।


 EXECUTIVE ENGINEER
 NAGAR NIGAM, JODHPUR.

I/We hereby agree to do the above work @ _____ Above/below the "G" Schedule

(Signature of Contractor)

Assistant Engineer
 Jodhpur Nagar Nigam South

Executive Engineer
 Jodhpur Nagar Nigam South

JODHPUR NAGAR NIGAM JODHPUR

G-SCHEDULE

NIT No. date

Last Date of Sale :-

Date of Receipt :-

Copy issued to M/s

Sr No.

Earnest Money : Rs.

CR No. Dated.

कार्य का नाम :- नहर चौराहे के पास चौपासनी थाना के सामने क्षतिग्रस्त सड़क मरम्मत कार्य


BSR : RATE BASED ON RUIDP BSR 2022

S.No	Particulars	Qty.	Unit	Rate	Amount
1	Earth work in excavation in soil unsuitable for road construction such as marshy soil including pumping out water, removal of the same and disposal with all lift and lead upto 1 km as per MoRT&H specification clause 301.				
2	Carriage of Materials by mechanical transport including loading, unloading and stacking :: Earth 1 Km	168.3	Cum	201	33828.3
3	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 - II Material	168.3	Cum	245.95	41393.39
		56.1	Cum	1324	74276.4
4	Providing, laying, spreading (with paver finisher only) and compacting wet mix macadam (WMM) base course comprising of graded stone aggregate and granular material conforming to MORT&H specifications (Table 400-II) in layers of equal compacted thickness each consolidated, including pre-mixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tippers to site, laying in uniform layers in base course on a well prepared sub-base/ base course and compacting with power vibratory-roller to achieve the desired density complete as per MoRT&H specification clause - 406 including all material, labour, machinery, lighting, guarding and maintenance of diversion.				
		153	Cum	1704	260712
5	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.				
		510.00	Sqm	27.70	14127
6	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.				
		800.00	Sqm	9.90	7920

No	Particulars	Qty.	Unit	Rate	Amount
	Providing and laying 50-75 mm compacted thick design mix (approved by Engineer) Dense Bituminous Macadam on prepared surface with specified graded crushed aggregates as per Table 500- 9, 500-10 with bitumen binder set (including Cost of anti stripping compound Minimum 1% in Lime/Cement as per design wherever required) for base/ binder course including loading of material with F.E. loader, heating and mixing of stone aggregate, filler and bitumen in computerised hot mix plant, transporting the mixed material by tippers to paver and laying with paver finisher fitted with electronic sensor control as per clause 504.3.5 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 507 of MoRT&H specification but excluding primer/tack coat, including all material, labour, machinery, lighting, guarding and maintenance of diversion. Grade-II with Bitumen VG-grade 30 @ 4.50 %, lime filler @ 2% (percent by weight of total mix)				
		50.00	Cum	7000	350000
8	Providing laying and consolidation Semi Dense Bituminous Concrete, as per Design Mix (approved by Engineer), on prepared surface with specified graded crushed aggregates as 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 Minimum 1% in Lime/Cement as per design 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)				
		30.00	Cum	7190	215700
	Total				997957
				Say Rs.	10 LACS

Terms and Condition :-

1. सभी प्रकार के कर (टैक्स) संवेदक द्वारा ही वहन किये जायेंगे।
2. कार्य स्थल पर श्रमिक व सामग्री की सुरक्षा की जिम्मेवारी संवेदक की होगी।
3. जी.सारणी में वर्णित कार्यों के अतिरिक्त व अधिक कार्य संवेदक द्वारा दी गई दरों के आधार पर करवाये जा सकेंगे।
4. कार्य स्थल पर कार्य सम्बंधित सूचनाएं दर्शाने वाला बोर्ड संवेदक को स्वयं के स्तर पर लगाना होगा।
5. टंकण त्रुटी की अवस्था में सम्बन्धित रेट मान्य होगी।
6. कार्य करने से पूर्व एवं कार्य करने के पश्चात कार्य स्थल की फोटो/विडियोग्राफी सीडी आवश्यक रूप से कार्यालय में जमा कराने होंगे।
7. दोष निवारण अवधि नियमानुसार रहेगी।
8. दरें 4 माह तक मान्य रहेगी
9. सशर्त निविदा स्वीकार नहीं होगी।
10. निष्पादन सुरक्षा राशि 10 प्रतिशत मय अनुबन्ध के जमा कराना होगा।


EXECUTIVE ENGINEER
NAGAR NIGAM, JODHPUR.

I/We hereby agree to do the above work @ _____ Above/below the "G" Schedule.

(Signature of Contractor)

OFFICE OF THE NAGAR NIGAM, JODHPUR

G-SCHEDULE

NIT No. date

Sr No.

Last Date of Sale :-

Earnest Money : Rs.

Date of Receipt :-

CR No. Dated.

Copy issued to M/s

Name of work:- construction of C C Road work various place and interlocking work at madev mandir in ward no 9


BASED ON RUIDP BSR 2022 and PWD BSR

S.No.	Item	Qty	Unit	Rate In Rs.	Amount
1	Dismantling of existing structures like culverts, bridges, retaining walls, CC road and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead of 50 metres as directed by Engineer.				
	Lime Concrete, cement concrete grade M-10 (1:5:10) and below	165.6	cum	365.00	60444
	Cement Concrete Grade M-15 and above and PCC blocks	165.6	cum	620.00	102672
2	Earth work in excavation in foundation, trenches 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. In all types soils/ saturated soil such as moorum, sand, sandy silt, clay, black cotton soil, kankar, etc. Depth upto 1.5 m	27	Cum	210.50	5683.5
3	Providing and laying lean cement concrete 1:4:8 in Sub-base over a prepared sub-grade with coarse and fine aggregate conforming to IS: 383, the size of coarse aggregate not exceeding 25 mm, aggregate cement ratio not to exceed 15:1, aggregate gradation after blending to be as per table 600-1, cement content not to be less than 150 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in concrete mixer, laid manually, compacted with surface vibrator, finishing and curing complete as per clause 601, 112 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion.	156.6	Cum	2775.00	434565
4	Providing and laying in position cement concrete of specified grade excluding the cost of centring and shuttering - All work upto plinth level : 1:1½:3 (1 Cement : 1½ coarse sand : 3 graded stone aggregate 20 mm nominal size).	126.9	sqm	5810.00	737289

5	Providing and fixing of precast concrete interlocking tiles of desired shape of M 30 grade manufactured from fully computerized automatic stationery hydraulic vibro pressed machine and fully computerized automatic batching plant of class A1/A2 as per BS 6717:2001. The CC interlocking paving blocks be laid on average 50mm. thick bed of coarse sand and the joint is to be filled with fine sand. Laying procedure on compacted sub-base as defined. Complete job is to be executed as per the instruction of Engineer incharge. The rates to be inclusive of all lead & Lifts etc. complete as per specifications. Tensile splitting strength, abrasion and braking load etc. as per BS 6717:2001, Grey cement.100mm thick	720	sqm	752.00	541440
5	Carriage of Materials by mechanical transport including loading, unloading and stacking ::10km	358.20	Cum.	245.95	88099.29
Total					1970192.79
SAY					20.00 LAC

Terms and Condition :-

1. सभी प्रकार के कर (टैक्स) संवेदक द्वारा ही वहन किये जायेंगे।
2. कार्य स्थल पर श्रमिक व सामग्री की सुरक्षा की जिम्मेवारी संवेदक की होगी।
3. जी.सारणी में वर्णित कार्यों के अतिरिक्त व अधिक कार्य संवेदक द्वारा दी गई दरों के आधार पर करवाये जा सकेंगे।
4. कार्य स्थल पर कार्य सम्बंधित सूचनाएं दर्शाने वाला बोर्ड संवेदक को स्वयं के स्तर पर लगाना होगा।
5. टंकण त्रुटी की अवस्था में सम्बन्धित रेट मान्य होगी।
6. कार्य करने से पूर्व एवं कार्य करने के पश्चात कार्य स्थल की फोटो/विडियोग्राफी सीडी आवश्यक रूप से कार्यालय में जमा कराने होंगे।
7. दोष निवारण अवधि नियमानुसार रहेगी।
8. दरें 4 माह तक मान्य रहेगी
9. सशर्त निविदा स्वीकार नहीं होगी।
10. निष्पादन सुरक्षा राशि 10 प्रतिशत मय अनुबन्ध के जमा कराना होगा।


EXECUTIVE ENGINEER
NAGAR NIGAM, JODHPUR.

I/We hereby agree to do the above work @ _____ Above/below the "G" Schedule

(Signature of Contractor)

JODHPUR NAGAR NIGAM SOUTH
G-SCHEDULE

NIT No. date

Last Date of Sale :-

Date of Receipt :-

Copy issued to M/s

Sr No.

Earnest Money : Rs.

CR No. Dated.

Name of Work :- Const. of BT road work at tractor association in ward no 20

based on Ruidp 2017 & PWD 2013


Sno	Particulars	Quantity	Unit	Rate	Amount
1	Dismantling of flexible pavements and disposal of dismantled materials up to a lead of 50 metres as directed by Engineer Bituminous courses	16	Cum	411	6576
2	Scarifying existing granular road surface, including picking up scarified material and stacking of old serviceable material within a lead of 1000 meters complete as per clause 305.4.3 of MoRT&H specification including all labour, machinery, lighting, guarding and maintenance of diversion	1750	Sqm	37.9	66325
3	Providing, laying, spreading (with paver finisher only) and compacting wet mix macadam (WMM) base course comprising of graded stone aggregate and granular material conforming to MoRT&H specifications (Table 400-II) in layers of equal compacted thickness each consolidated, including pre-mixing the material with water at OMC in mechanical mixer (Pug Mill), carriage of mixed material by tippers to site, laying in uniform layers in base course on a well prepared sub-base/ base course and compacting with power vibratory-roller to achieve the desired density complete as per MoRT&H specification clause - 406 including all material, labour, machinery, lighting, guarding and maintenance of diversion.	175	CUM.	1704	298200
4	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	1750	Cum	27.7	48475
5	Carriage of earth / rubbish material including all lead & Lift	70	Cum	246	17216.5
6	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 cification including all material, labour, machinery, lighting, uarding and maintenance of diversion.	3500	Cum	9.9	34650

7	Providing and laying bituminous macadam in 50/75 mm compacted thickness on prepared surface with specified graded crushed stone aggregates as per Table 500-4, Grading-II for base/ binding course, loading of aggregate with F.E. loader, heating and mixing of stone aggregate and bitumen in computerised hot mix plant, transported to site by tippers to paver, laid over a previously prepared surface with paver finisher fitted with electronic sensing device to the required grade, level and alignment and rolling with power roller and vibratory compactor as per clauses 501.6 and 501.7 to achieve the desired compaction complete as per clause 504 of MoRT&H specification and including all material, labour, machinery, lighting, guarding and maintenance of diversion but excluding cost of primer/ tack coat. With Bitumen VG-grade 30 @ 3.3% (percentage by weight of total mix)	52.5	Cum	5380	282450
8	Providing and laying open graded premix carpet 20mm thick (compacted), on prepared surface in a single course as wearing course, composed of specified graded crushed stone aggregate as per Table 500-23, premixed with bituminous binder @ 14.60 kg/10sqm (including cost of anti-stripping compound wherever required), including loading of material with F.E. loader, hot mixing of stone aggregate and bitumen 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 smooth wheeled roller 8-10 tonne capacity and finishing to required level to achieve the desired density as per clause 511 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion but excluding cost of tack coat/ seal coat With Bitumen VG-grade 30	1750	Sqm	94	164500
9	Providing and applying premixed seal coat Type "B" comprising of thin application of fine aggregate 0.06 cum/ 10 sqm premix with bitumen binder @ 6.8 Kg/ 10 Sqm (including cost of anti-stripping compound wherever required) laying with paver finisher with electronic sensor control and rolling with power roller 8-10 tonne complete as per clause 513 of MoRT&H specification including all material, labour, machinery, lighting, guarding and maintenance of diversion. With Bitumen VG-grade 30	1750	Sqm	42.5	74375
10	Providing and laying marking of center line and stop line etc with hot thermoplastic compound 2.5 mm thick on road/ plain surface, including reflectorising glass beads @ 250 gms per sqm area with special applicator machine, as per IRC:35 including cleaning the surface of all dirt, dust and other foreign matter, demarcation at site and traffic control involved. The finished surface to be level, uniform and free from streaks and holes as per clause 803 of MoRT&H Specification including all material, labour, machinery, lighting, guarding and maintenance of diversion.	67.5	Sqm	428	28890
11	Raising precast circular manhole cover and frame by taking out existing precast frame and cover, providing and fixing precast SFRC circular spacer of height 100/125/150mm, re-fixing existing manhole cover frame and cover with cement sand mortar (1:3), including making good the damage, complete as directed by Engineer.	20	no.	1510	30200

12	Earth work in excavation for roadway, including trimming bottom and side slopes in accordance with requirement of line, grades and cross sections, including disposal of surplus material with all lift and lead upto 1000 metre as per MoRT&H specification clause 301. In all type of soil	54	cum	214.5	11583
TOTAL					1063441

Terms and Condition :-

1. सभी प्रकार के कर (टैक्स) संवेदक द्वारा ही वहन किये जायेंगे।
2. कार्य स्थल पर श्रमिक व सामग्री की सुरक्षा की जिम्मेवारी संवेदक की होगी।
3. जी.सारणी में वर्णित कार्यों के अतिरिक्त व अधिक कार्य संवेदक द्वारा दी गई दरों के आधार पर करवाये जा सकेंगे।
4. कार्य स्थल पर कार्य सम्बंधित सूचनाएं दर्शाने वाला बोर्ड संवेदक को स्वयं के स्तर पर लगाना होगा।
5. टंकण त्रुटी की अवस्था में सम्बन्धित रेट मान्य होगी।
6. कार्य करने से पूर्व एवं कार्य करने के पश्चात कार्य स्थल की फोटो/विडियोग्राफी सीडी आवश्यक रूप से कार्यालय में जमा कराने होंगे।
7. दोष निवारण अवधि नियमानुसार रहेगी।
8. दरें 4 माह तक मान्य रहेगी
9. सशर्त निविदा स्वीकार नहीं होगी।
10. निष्पादन सुरक्षा राशि 10 प्रतिशत मय अनुबन्ध के जमा कराना होगा।


**EXECUTIVE ENGINEER
NAGAR NIGAM, JODHPUR.**

I/We hereby agree to do the above work @ _____ Above/below the "G" Schedule

(Signature of Contractor)