

**बिहार सरकार**  
**जल संसाधन विभाग**  
**शोध एवं प्रशिक्षण अंचल, खगौल, पटना।**  
अल्पकालीन पुनर्निविदा आमंत्रण सूचना सं०-04/2023-24  
(आईटम रेट टेण्डर)  
राज्य/राष्ट्रीय स्पर्धा हेतु

1. कार्य का विवरण:-

क्र. सं.	कार्य का नाम	अग्रघन की राशि (रु० में) (ऑनलाईन अथवा ऑफलाईन मोड में भुगतये)	बीड कागजात का मूल्य (अप्रत्यर्पणीय) (रु० में) (केवल ऑनलाईन मोड में भुगतये)	BELTRONको Onlineदेय बीड प्रोसेसिंग फिस (रु० में) (अप्रत्यर्पणीय) (केवल ऑन लाईन मोड में भुगतये)	कार्य समाप्ति की तिथि
1	2	3	4	5	6
1	मुख्य अभियंता, केन्द्रीय रूपांकण, शोध एवं गुण नियंत्रण, जल संसाधन विभाग, पटना के अन्तर्गत गुण नियंत्रण (सिंचाई सृजन) अंचल, पटना एवं गुण नियंत्रण (बाढ़ नियंत्रण एवं जल निस्सरण) अंचल, पटना के अन्तर्गत प्रमंडलों में प्रयोगशालाओं हेतु मशीनों, जाँच उपकरणों, रसायन आदि का क्रय/अधिष्ठापन (विस्तृत विवरणी Annexure- I to XVसंलग्न)	2 % of Total Quotated Amount	10000.00	3540.00	15.03.2024

1	विज्ञापन आमंत्रित करने की तिथि	:-	04.01.2024
2	निविदा डाउनलोड एवं अपलोड करने की तिथि एवं समय	:-	दिनांक 16.01.2024 से 23.01.2024 3:00 बजे अपराह्न तक।  ( <a href="http://www.eproc2.bihar.gov.in">www.eproc2.bihar.gov.in</a> )
3	प्री बीड मितिग की तिथि, समय एवं स्थान	:-	हाइड्रीड मोड में ऑफ लाईन मोड में दिनांक 18.01.2024 को पूर्वाह्न 11:00 बजे मुख्य अभियंता, केन्द्रीय रूपांकण, शोध एवं गुण नियंत्रण, जल संसाधन विभाग, पटना का कार्यालय कक्ष में। ऑनलाईन मोड हेतु समर्पक करने पर लिंक उपलब्ध कराया जायेगा।
4	टेक्निकल बीड खोलने की तिथि एवं समय	:-	दिनांक 27.01.2024 समय 3:30 बजे अपराह्न ( <a href="http://www.eproc2.bihar.gov.in">www.eproc2.bihar.gov.in</a> )
5	वित्तीय बीड खोलने की तिथि एवं समय	:-	तिथि एवं समय की सूचना तकनीकी वीड पर निर्णय के बाद वेबसाइट पर दी जायेगी।
6	निविदा खोलने का स्थान	:-	<a href="http://www.eproc2.bihar.gov.in">www.eproc2.bihar.gov.in</a> पर
7	निविदा की वैधता की अंतिम तिथि	:-	30.04.2024
8	विज्ञापनदाता का पदनाम एवं पता	:-	अधीक्षण अभियंता, शोध एवं प्रशिक्षण अंचल, खगौल, पटना।

विशेष जानकारी के लिए [www.eproc2.bihar.gov.in](http://www.eproc2.bihar.gov.in), एवं [www.prdbihar.gov.in](http://www.prdbihar.gov.in) पर देखा जा सकता है।

ह०/-  
(सुभाष चन्द्र भट्ट)  
अधीक्षण अभियंता  
शोध एवं प्रशिक्षण अंचल,  
खगौल, पटना।

पत्रांक..... 28 .....

खगौल,

दिनांक 04/01...../2024

प्रतिलिपि:- सूचना एवं जनसम्पर्क पदाधिकारी, जल संसाधन विभाग, सिंचाई भवन, पटना को सूचनार्थ, राष्ट्रीय तथा राज्य स्तरीय दैनिक समाचार पत्रों एवं वेबसाईट के माध्यम से प्रचार-प्रसार हेतु समर्पित।

~~04/01/2024~~  
(सुभाष चन्द्र महु)  
अधीक्षण अभियंता  
शोध एवं प्रशिक्षण अंचल,  
खगौल, पटना।

**बिहार सरकार**  
**जल संसाधन विभाग**  
**शोध एवं प्रशिक्षण अंचल, खगौल, पटना।**  
अल्पकालीन पुनर्निविदा आमंत्रण सूचना सं०-०४/२०२३-२४  
(आईटम रेट टेण्डर)

2. कार्य का विवरण:-

क्र. सं.	कार्य का नाम	अग्रधन की राशि (रु० में) (ऑनलाईन अथवा ऑफलाईन मोड में भुगतये)	बीड कागजात का मूल्य (अप्रत्यर्पणीय) (रु० में) (केवल ऑनलाईन मोड में भुगतये)	BELTRONको Onlineदेय बीड प्रोसेसिंग फिस (रु० में) (अप्रत्यर्पणीय) (केवल ऑन लाईन मोड में भुगतये)	कार्य समाप्ति की तिथि
1	2	3	4	5	6
1	मुख्य अभियंता, केन्द्रीय रूपांकण, शोध एवं गुण नियंत्रण, जल संसाधन विभाग, पटना के अन्तर्गत गुण नियंत्रण (सिंचाई सृजन) अंचल, पटना एवं गुण नियंत्रण (बाढ़ नियंत्रण एवं जल निस्सरण) अंचल, पटना के अन्तर्गत प्रमंडलों में प्रयोगशालाओं हेतु मशीनों, जॉच उपकरणों, रसायन आदि का क्रय/अधिष्ठापन (विस्तृत विवरणी <b>Annexure- I to XVसंलग्न</b> )	2 % of Total Quotated Amount	10000.00	3540.00	15.03.2024

1	विज्ञापन आमंत्रित करने की तिथि	:-	04.01.2024
2	निविदा डाउनलोड एवं अपलोड करने की तिथि एवं समय	:-	दिनांक 16.01.2024 से 23.01.2024 3:00 बजे अपराह्न तक। ( <a href="http://www.eproc2.bihar.gov.in">www.eproc2.bihar.gov.in</a> )
3	प्री बीड मिटिंग की तिथि, समय एवं स्थान	:-	हाइब्रीड मोड में ऑफ लाईन मोड में दिनांक 18.01.2024 को पूर्वाह्न 11:00 बजे मुख्य अभियंता, केन्द्रीय रूपांकण, शोध एवं गुण नियंत्रण, जल संसाधन विभाग, पटना का कार्यालय कक्ष में। ऑनलाईन मोड हेतु सर्पक करने पर लिंक उपलब्ध कराया जायेगा।
4	टेक्निकल बीड खोलने की तिथि एवं समय	:-	दिनांक 27.01.2024 समय 3:30 बजे अपराह्न ( <a href="http://www.eproc2.bihar.gov.in">www.eproc2.bihar.gov.in</a> )
5	वित्तीय बीड खोलने की तिथि एवं समय	:-	तिथि एवं समय की सूचना तकनीकी बीड पर निर्णय के बाद वेबसाईट पर दी जायेगी।
6	निविदा खोलने का स्थान	:-	<a href="http://www.eproc2.bihar.gov.in">www.eproc2.bihar.gov.in</a> पर
7	निविदा की वैधता की अंतिम तिथि	:-	30.04.2024
8	विज्ञापनदाता का पदनाम एवं पता	:-	अधीक्षण अभियंता, शोध एवं प्रशिक्षण अंचल, खगौल, पटना।

नियम एवं शर्त :-	
09	ई-टेन्डरिंग प्रक्रिया में भाग लेने हेतु संवेदकों को पंजीकृत होना होगा, जिससे कि उन्हें उपयोगकर्ता का नाम User IDपासवर्ड (Password) एवं अंकीय हस्ताक्षर (Digital Signature)प्राप्त होगा। यह उन्हें वेबसाईट <a href="http://eproc2.bihar.gov.in">eproc2.bihar.gov.in</a> से डाउनलोड करने/ई-टेन्डरिंग की प्रक्रिया में भाग लेने की योग्यता प्रदान करेगा।
10	ई- कोटेशन मात्र वेबसाईट <a href="http://www.eproc2.bihar.gov.in">www.eproc2.bihar.gov.in</a> पर डाउनलोड एवं अपलोड किया जा सकता है।
11	बीड कागजात का मूल्य एवं बीड प्रोसेसिंग शुल्क (जो लौटाया नहीं जायेगा) का भुगतान onlineकिया जायेगा।
12	(क) e-Tendering/e-Procurement प्रणाली के तहत निविदा हेतु बीड प्रोसेसिंग शुल्क एवं निविदा दस्तावेज का मूल्य (जो लौटाया नहीं जायेगा) का भुगतान Online mode (e-Payment mode)यानी Internet Payment Gateway (Credit/debit card), Net Banking, NEFT/RTGSद्वारा किया जाना अनिवार्य है। (ख) e-Tendering/e-Procurement प्रणाली के तहत निविदा में अग्रधन के रूप में जमा की जाने वाली राशि Online mode (e-Payment mode)अथवा Physical mode/Manual Payment System में स्वीकार्य होगा। Online mode के तहत अग्रधन की राशि Internet Payment Gateway (Credit/debit card), Net Banking, NEFT/RTGSके माध्यम से जमा किया जा सकता है।

	<p>Physical mode/Manual payment System के तहत अग्रघन की राशि मात्र बिना शर्त वाली बैंक गारन्टी (विभागीय पत्रांक-385 दिनांक-26.08.2020, जल संसाधन विभाग, बिहार) जो बिड के मान्य अवधि से 45 दिनों बाद (30.04.2024 + 45 दिन) तक के लिए बिहार अवस्थित किसी राष्ट्रीयकृत बैंक/अनुसूचित बैंक से अधीक्षण अभियंता, शोध एवं प्रशिक्षण अंचल, खगौल, पटना के पक्ष में निर्गत हों (अगर बिहार प्रान्त के बाहर के बैंक से निर्गत बैंक गारन्टी दिया जाता है तो एकरारनामा के पूर्व इसे बिहार अवस्थित किसी बैंक से निर्गत किया जाना अनिवार्य होगा। इसकी मूल प्रति निविदा कागजात के साथ अधीक्षण अभियंता, शोध एवं प्रशिक्षण अंचल, खगौल, पटनाके कार्यालय में दिनांक-27.01.2024 के 3:00 बजे अपराहन तक अवश्य जमा किया जाना है। ऐसा नहीं करने पर कोटेशन मान्य नहीं होगा।</p> <p>(क) "Quotation along with necessary online payments must be submitted through e-Procurement portal <a href="http://www.eproc2.bihar.gov.in">www.eproc2.bihar.gov.in</a> on or before 3.00 P.M on 23.01.2024. The department doesn't take any responsibility for the delay/non submission of Quotation/Non Reconciliation of online Payment caused due to Non-availability of internet connection, Network Traffic/ Holidays or any other reason."</p> <p>(ख) "BSEDC Processing Fee and Bid document Fee has to be paid through e-Payment mode only. EMD may be paid either through online or offline (unconditional Bank guarantee) mode."</p>
13	<p>आपूर्तिकर्ताओं द्वारा सामग्रियों की ससमय/विशिष्टि के अनुरूप सामग्रियों की आपूर्ति नहीं करने अथवा कोई गलत अभिलेख/घोषणा करने पर उनके विरुद्ध निम्नानुसार कार्रवाई की जायेगी-</p> <p>(i) Blacklisting (ii) Forfeiture of Security money (iii) Debar from participating in Tender (iv) FIR</p>
14	<p>किसी भी प्रकार का शुद्धि-पत्र को वेबसाइट पर प्रकाशित किया जायेगा। अधोहस्ताक्षरी को बिना पूर्व सूचना के एवं बिना कारण बताये निविदा रद्द करने का अधिकार सुरक्षित रहेगा।</p>
15	<p>संवेदक स्कैन कर कागजातों को अपलोड करने के पूर्व सूचीबद्ध करते हुए क्रमांक अंकित करेंगे ताकि किसी खास कागजात को क्रमांक संख्या/पृष्ठ संख्या के आधार पर शीघ्र खोजा जा सके। सभी प्रलेख PDF, M.S Office (Compatibility Mode), JPEG, ZIP Formatमें ही Uploadकिये जाए, अन्यFormatमेंUpload documentsकेDownload/open नहीं होने पर कोई दावा मान्य नहीं होगा।</p>
16	<p>निविदाता स्कैन कर अपलोड किए गये कागजातों की Download ability/visibilityसे पूर्णरूपेण संतुष्ट हो लेंगे।</p>
17	<p>इन्टरनेट सेवा में किसी प्रकार की त्रुटि होने के संबंध में संवेदक का कोई भी दावा मान्य नहीं होगा। अतः निविदाताओं को चाहिए कि तकनीकी खराबी के कठिनाईयों से बचने के लिये अंतिम समय से पूर्व ही बीड को अपलोड कर लें।</p>
18	<p>बीड प्राप्त करने की अंतिम निर्धारित तिथि को 12.00 बजे रात्रि से निविदा डालने के निर्धारित समय के पूर्व <a href="http://www.eproc2.bihar.gov.in">www.eproc2.bihar.gov.in</a>का सर्वर लगातार 2 घंटे से अधिक समय के लिए डाउन होने की स्थिति में कोटेशन डालने की तिथि स्वतः अगले दिन के लिए निर्धारित समय तक विस्तारित हो जायेगी।</p>
19	<p>इस कोटेशन के अन्तर्गत उत्पन्न किसी भी न्यायिक मामले का निष्पादन माननीयउच्च न्यायालय, पटना के अंतर्गत ही किया जा सकेगा।</p>
20	<p>कोटेशनदाता द्वारा उद्धृत दर में सात वर्षों का निशुल्क अनुरक्षण एवं मरम्मत शामिल रहेगा। इससे संबंधित घोषणापत्र संलग्न करना होगा।</p>
21	<p>सक्षम पदाधिकारी को किसी निविदा या सभी कोटेशन को बिना कारण रद्द करने का अधिकार सुरक्षित है जो सभी निविदाता को मानना अनिवार्य है।</p>
22	<p>कोटेशनदाता द्वारा उद्धृत किये दरों में सभी प्रकार के देय करों यथा Labour Cess, लागू GST, दुलाई, Insurance, बिहार राज्य के आपूर्ति की जाने वाले स्थलों पर परिवहन इत्यादि को सम्मिलित करते हुए अंतिम दर जिसका भुगतान विभाग को करना होगा, निविदा में अंकित करना अनिवार्य होगा। Price Bidमेंas applicableआदि शब्दों का प्रयोग नहीं कर एक निश्चित एवं Final दर Quoteकरना होगा। अन्यथा कोटेशन अमान्य हो जाएगा।</p>
23	<p>तकनीकी बीड में सफल निविदाताओं का ही वित्तीय बीड खोला जायेगा।</p>
24	<p>प्राधिकार के द्वारा वैसे निविदाताओं को कार्य आवंटित किया जायेगा, जिनके द्वारा समर्पित निविदा कागजात, Biding Documentमाँगे गए अभिलेखों के अनुरूप होगा तथा उनका दर न्यूनतम होगा।</p>
25	<p>दरों के वैधता की अवधि 30.04.2024 तक होगी।</p>
26	<p>In case of any dispute or difference of opinion regarding interpretation of specification or any other clause in respect of the purchase order the matter will be referred to concerned Engineer in Chief (Headquarter),WRD, Patna and his decision shall be final in all such cases.</p>
27	<p>विभाग द्वारा रखे गये राशि पर कोई भी सूद देय नहीं होगा।</p>
28	<p>The firms having blacklisted/ debarred in participating in any procurement activities by any State or Central Government or any other govt. organization in India are not allowed to bid</p>
24	<p>The quantity can be increased/decreased/dropped as per requirements, for which no claim of the bidder will be entertained and amount of earnest money will be modified accordingly.</p>
29	<p><b>Technical Qualification &amp; Documents to be submitted in technical bid envelope:-</b></p> <p>(i) The agency should have valid registration with appropriate statutory authorities as required under law. A copy of all such registrations such as PAN, GST</p>

	(ii) The bidder shall have ISO 9001:2015 certification.
	(iii) निविदादाताओं को निविदा देने से पूर्व तकनीकी विशिष्टि, नियम एवं शर्तों को सावधानीपूर्वक पढ़ लेना, अपूर्ति की जाने वाली प्रयोगशाला उपकरणों का Specification, Maintenance policy तथा Quality से संबंधित प्रमाणिक प्रयोगशाला से निर्गत प्रतिवेदन संलग्न आवश्यक है।
	(iv) निविदादाता/संवेदक परिमाण विपत्र सिर्फ वेबसाईट से प्राप्त करने के उपरान्त वेबसाईट पर ही इलेक्ट्रॉनिक बीड प्रपत्र को भर कर अपलोड करेंगे। अन्य सभी महत्वपूर्ण कागजात/अग्रधन की राशि/सभी प्रमाण पत्र जो बीड के लिए आवश्यक है, को स्कैन कर ई-निविदा के साथ संलग्न करना अनिवार्य है।
	(v) Submission of Notarized Affidavit for this specific work, issued in between the date of NIT and last date for uploading the Quotation in the format as per the Annexure-A Affidavit in original should be submitted in the office of Superintending Engineer, Research and Training Circle, Khagaul, Patna on or before 03.00 PM. on 27.01.2024 Failing which the Quotation will be rejected.
	(vi) The Bidder should have direct authorization from the Original Equipment Manufacturer (OEM) for SITC and supporting the equipment offered. Mandatory to submit Case Specific MAF & Technical Compliance from OEMs against those items (as specified in the technical specification sheet), failing which offer will summarily be rejected.
	(vii) The bidder should submit- Technical schedules of goods as required by technical specifications / A detailed description of the Goods, essential technical and performance characteristics.
	(viii) कोटेशनदाता द्वारा उद्धृत दर में सात वर्षों का निशुल्क अनुरक्षण एवं मरम्मत शामिल रहेगा। इससे संबंधित घोषणापत्र संलग्न करना होगा। इसका मूल प्रति अधीक्षण अभियंता, शोध एवं प्रशिक्षण अंचल, खगौल, पटना के कार्यालय में दिनांक 27.01.2024 को 3.00 बजे अपराह्न तक जमा करना होगा।
30	<b>Technical Evaluation- Parameters – Maximum Marks- 48</b> <b>A. Organization/ Supplier/ Firm / Manufacturer Related</b> <b>Year of In/Operation of Bidder – 12 marks</b> (1) Less than 3 Years 05 (2) 3 years- less than 7 years 08 (3) 7 yrs – less than 10 years 12 <b>B. Organization Status- 12 Marks</b> (1) Proprietary firm 05 (2) Partnership firm 08 (3) Private Limited Company 12 <b>C. Financial Status of the Company/ Bidder Average annual turnover last 3 years starting 2020-21 (12 marks)</b> (1) Less than Rs 1.00 crore 05 (2) Rs 1.00 crore to less than 1.5 crore 08 (3) Rs 1.50 crore and more 12 <b>D. Nature of Experience – 12 marks</b> (1) Experience in Private sector 05 (2) Experience in Private / Govt Institutions 08 (3) Experience in Government Department 12
31	<b>आपूर्ति पूर्ण करने की तिथि:-</b> (क) विलंब से आपूर्ति के लिये निर्धारित अवधि के पश्चात् संबंधित Consignee प्रमंडल क्रयादेशित राशि के मूल्य के 0.5 प्रतिशत की दर से प्रतिदिन दंड भरित किया जायेगा, जो संबंधित Consignee अंचल के क्रयादेशित राशि का अधिकतम 10 (दस) प्रतिशत तक होगा। (ख) आपूर्ति की निर्धारित अवधि अथवा कार्य समाप्ति की तिथि में कोई विस्तार नहीं की जायेगी।
32	सशर्त कोटेशन अमान्य कर दी जायेगी।
33	Normally supply order will be awarded to the lowest evaluated bidder whose bid has been found to be responsive and who is eligible and qualified to supply the required material satisfactorily as per the terms and condition of the quotation. In case the lowest rate is same for more than one quotationer then work will be usually allotted by lottery system and at the same time as per requirement, urgency & time factor, supply work

	usually allotted by lottery system and at the same time as per requirement, urgency & time factor, supply work may be distributed among the successful lowest rate bidders as per their capabilities
34	However when the lowest acceptable bidder is not in a position to supply the full quantity required against urgent requirement, the remaining quantity as far as possible may be allotted to the next higher responsive bidder at the rate offered by the lowest responsive (acceptable) bidder.
35	The Amount of welfare cess for Bhawan & Sannimarn Karmkar Kalyan Board@1% (One Percent) and other applicable taxes (GST, Income Tax etc.) will be deducted from the supplier Bill.
36	जल संसाधन विभाग द्वारा जारी किये गए नवीनतम पत्रों/परिपत्रों के अनुसार कोटेशन का मूल्यांकन किया जायेगा।
37	सभी कोटेशनदाता को विभागीय पत्रांक 124 दिनांक 04.02.2021 के आलोक में जिला पुलिस द्वारा निर्गत चरित्र प्रमाण पत्र निविदा के साथ अपलोड करना/एकरारनामा के समय समर्पित करना अनिवार्य होगा।
38	विशेष जानकारी हेतु अधोहस्ताक्षरी के कार्यालय में कार्य अवधि में दूरभाष संख्या-7463889164 पर सम्पर्क किया जा सकता है। ई-टेन्डरिंग की प्रक्रिया से संबंधित किसी भी प्रकार की जानकारी/सूचना हेतु ई-टेन्डरिंग सेल, सिंचाई भवन पटना (0612-2235241) /eProc 2.0 Help Desk Address: mjunction services limited RJ Complex, 2nd Floor, Canara Bank Campus, Khajpura, Ashiana Road, P.S. - Shastri Nagar, Patna 800 0140, Bihar Toll Free Number: 1800 572 6571

उपरोक्त निविदासे संबंधित शर्त एवं विशेष जानकारी हेतु अधोहस्ताक्षरी कार्यालय में (कार्यालय अवधि में) एवं मोबाईल संख्या-7463889164 पर सम्पर्क किया जा सकता है।

इसे विस्तृत रूप में बेवसाईट [www.prdbihar.gov.in](http://www.prdbihar.gov.in) पर देखा जा सकता है।

  
 (सुभाष चन्द्र भट्ट)  
 अधीक्षण अभियंता  
 शोध एवं प्रशिक्षण अंचल,  
 खगौल, पटना।

AFFIDAVIT

1. I The undersigned do here by certify that all the statements made in the required attachments are true and correct and if found fake/ forged, the undersigned will be liable for infliction upon the FIR and lawful punishment as well as black listing.
2. The undersigne also hereby certifies that neither our firm M/S ..... has been blacklisted nor has abandoned any work in any government deapartment, India nor any contract awarded to us for such works have been resigned, during last five years prior the date of this bid.
3. The undersigned hereby authorises and request (S) any bank, Person, firm or corporation for furnish pertinent information deemed necessary and requested by the Department to verify this statement or regarding my (our) competence and general reputation.
4. The undersigned understand and agrees that further qualifying information may be required and agrees to furnish any such information at the request of the Department project implementing agency.

## Financial-Bid

Annexure- I

A	गुण नियंत्रण (सिंचाई सृजन) प्रमण्डल, सहरसा के अन्तर्गत निम्नलिखित मशीनों एवं जाँच उपकरणों का क्रय/अधिष्ठापन				
Sl	Item of Works	Qty	Unit	Rate	Amount
1	Digital Compression Testing Machine capacity 2000KN Electrically Operated. The Digital compression Testing Machine has been designed to meet the need for a simple, economic and reliable means to test concrete for its compressive strength. The Loading Units of capacities 2000 KN test cubes upto 200mm and cylinders upto 300mm height can be "Shiv/Rajco"	1	No.		
2	Aggregate Crushing Value Apparatus. "Shiv/Rajco"	1	No.		
3	Aggregate Impact Value Apparatus (A.I.V.) "Shiv/Rajco"	1	No.		
4	Los Angeles abration value test machine	1	No.		
5	Mild steel los angeles abration testing machine	1	No.		
6	Bitumen extractor (electric)	1	No.		
7	water tub	1	No.		
8	Digital String balance 50 kg capacity	1	No.		
9	Electric oven with thermostatic controlled ranre 2500°C double walled inner chamber made of 5.5 sheet and outer surface made of M.S single phase size 24"X24"X24" with three	1	No.		
10	Aluminium container	3	No.		
11	Procter compaction mould with jack 2250cc & 1000cc Cyllinder and 4.9Kg, 2.6Kg rammer, 450mm & 3210 mm falling height, For test of OMC & MDD (IS 2720 Part 7 & 8) electric operated And automatic process	1	No.		
12	Plastic limit device & 425 micron sieve (IS-2700 Part-5)	1	No.		
13	Liquid limit device electric operated (IS-2700 Part-5)	1	No.		
14	Sand replacement cyllinder (Sand replacement method for test of dry density of soil & G.S.B. in field) (15-2700 Part-5)	1	No.		
15	Digital balance, sensitivity 0.1 gm 0.001 gm (battery & electric operated)	1	No.		
16	Seieve shaker gyratory make universal ISI Standard	1	No.		
17	Desktop Type -2 Hp Desktop Computer, Intel core i5, 11th Generation, 8 GB RAM, 512 GB PCIe* NV Me M.2 SSD, 2 TB Sata HDD 7200 rpm, Intel UHD Graphics 770, win 11 Pro, Display Size 23.8 Inch.	1	No.		
18	Printer A4 Size HP Laser Jet Printer A4 MFP 4104 Print, Scan, Copy with Duplex Printing , Wi-Fi ready, Print Speed- Normal up to 40 ppm, Duplex- upto 34 ipm, Memory 512 MB, Print Resolution 1200 x 1200 dpi, Input Tray-100 sheet, multipurpose tray, 250 sheet, Input tray- 50 sheet, Single pass document, feeder (SPDF), Connectivity- 1, Hi-speed USB 2.0.1 rear host USB, 1 Front USB port, Gigabit Ethernet LAN 10/100/1000 Base- T network, 802.11b/g/n/2.4/5 GHZ dual band Wi-fi, warranty 3 years	1	No.		



Sl	Item of Works	Qty	Unit	Rate	Amount
B	गुण नियंत्रण (सिंचाई सृजन) प्रमण्डल, सिवान के अन्तर्गत निम्नलिखित मशीनों एवं जाँच उपकरणों का क्रय/अधिष्ठापन				
1	Digital Compression Testing Machine capacity 2000KN Electrically Operated. The Digital compression Testing Machine has been designed to meet the need for a simple, economic and reliable means to test concrete for its compressive strength. The Loading Units of capacities 2000 KN test cubes upto 200mm and cylinders upto 300mm height can be "Shiv/Rajco"	2	No.		
2	Cast Iron Cube Mould- 15x15x15cm. Heavy Duty	12	No.		
3	Electronic Balance, Capacity- 30kg, Sensitivity-2/5gm. "Panasonic Ind"	1	No.		
4	Electronic Balance- Capacity- 600gm., Sensitivity- 10mg "Panasonic Ind"	1	No.		
5	Slump Test Apparatus. Determining workability of concrete as per IS 1199 & IS 7320, consisting of slump cone with handles tamping rod, steel base plate & trowel	2	No.		
6	Gyrotary Sieves Shaker, for Sieves Size-18" dia, 12" dia & 8" dia. Electrically Operated	2	No.		
7	Calcium Carbide	2	No.		
8	Brass Sieves for sand size-8" dia. I.S. Sieves 20cm diameter brass Aperture size(Set of 8)	1	No.		
9	Rapid Moisture Meter with electronic Balance, calcium Carbide, Brush & Balls, all in wooden box.	2	No.		
10	Standard Compaction Test App. As per IS : 2720 (Part vii) 1000cc volume complete with collar & base plate. Rammer 2.6 kg x 310 mm	1	No.		
11	Burette - 100ml. Borosil	1	No.		
12	Beaker - 100ml. Borosil	1	No.		
13	Beaker - 250ml. Borosil	1	No.		
14	Beaker - 500ml. Borosil	1	No.		
15	Beaker - 1000ml. Borosil	1	No.		
16	Glass Funnel - 3" Borosil	1	No.		
17	Burette Stand	1	No.		
18	Hydrochloric Acid - 500ml. NICE/Others	1	No.		
19	Acetic Acid - 500ml. NICE/Others	1	No.		
20	Ammonium Solution - 500ml. NICE/Others	1	No.		
21	Potassium Permanganate - 500gm. NICE/Others	1	No.		
22	Sulphuric Acid - 500ml. NICE/Others	1	No.		
23	Filter Paper Whatman - No. 1	1	No.		
24	Filter Paper Whatman - No. 41	1	No.		
25	Aggregate Crushing Value Apparatus. "Shiv/Rajco"	1	No.		

26	Aggregate Impact Value Apparatus (A.I.V.) "Shiv/Rajco"	1	No.		
27	Bitumen Extractor, Electrically Operated "Shiv/Rajco"	1	No.		
28	specific Gravity Bottle	2	No.		
29	G.I. Test Sieves for Coarse - 18"dia. (Set of 10)	1	No.		
30	Electric Oven with Thermostatic controlled, Range:- 250°C:- Double Walled, Inner chamber made of S.S., Sheet & Outer Surface made of M.S.I Phase, Size- 24"x24"x24" with three selves, "ACME"	1	No.		
31	G.I. Tray- 18" x24"	4	No.		
32	Standard Protect Mould 2200cc With Rammer	1	No.		
33	Aluminium Container - 3"	1	No.		
34	Desktop Type -2 Hp Desktop Computer, Intel core i5, 11th Generation, 8 GB RAM, 512 GB PCIe* NV Me M.2 SSD, 2 TB Sata HDD 7200 rpm, Intel UHD Graphics 770, win 11 Pro, Display Size 23.8 Inch.	1	No.		
35	UPS 1 KVA Microtek	1	No.		
36	Printer A4 Size HP Laser Jet Printer A4 MFP 4104 Print, Scan, Copy with Duplex Printing , Wi-Fi ready, Print Speed- Normal up to 40 ppm, Duplex- upto 34 ipm, Memory 512 MB, Print Resolution 1200 x 1200 dpi, Input Tray-100 sheet, multipurpose tray, 250 sheet, Input tray- 50 sheet, Single pass document, feeder (SPDF), Connectivity- 1, Hi-speed USB 2.0.1 rear host USB, 1 Front USB port, Gigabit Ethernet LAN 10/100/1000 Base- T network, 802.1b/g/n/2.4/5 GHZ dual band Wi-fi, warranty 3 years	1	No.		
37	Los Angeles abrasion value test machine	1	No.		
38	Flackness gauge index thickness testing as per specification 2286P-1	2	No.		
39	Elongation gauge index thickness testing as per specification 2286P-1	2	No.		
40	Mild steel los angeles abrasion testing machine 220v	1	No.		

गुण नियंत्रण (सिंचाई सृजन) प्रमण्डल, मोतिहारी के अन्तर्गत निम्नलिखित मशीनों एवं जाँच उपकरणों का क्रय/अधिष्ठापन					
Sl	Item of Works	Qty	Unit	Rate	Amount
1	Digital Compression Testing Machine capacity 2000KN Electrically Operated. The Digital compression Testing Machine has been designed to meet the need for a simple, economic and reliable means to test concrete for its compressive strength. The Loading Units of capacities 2000 KN test cubes upto 200mm and cylinders upto 300mm height can be "Shiv/Rajco"	2	Nos.		
2	Cast Iron Cube Mould- 15x15x15cm. Havey Duty	9	No.		
3	Electronic Balance, Capicity- 30kg, Sensitivity-2/5gm. "Panasonik Ind"	1	No.		
4	Electronic Balance- Capicity- 600gm., Sensitivity- 10mg "Panasonik Ind"	1	No.		
5	Slump Test Apparatus. Determining workability of concrete as per IS 1199 & IS 7320, consisting of slump cone with handles tamping rod, steel base plate & trowel	1	No.		
6	Gyrotary Sieves Shaker, for Sives Size-18" dia, 12" dia & 8" dia. Electrically Operated	1	No.		
7	Calcium Carbide	1	500gm.		
8	Brass Sieves for sand size-8" dia. I.S. Sieves 20cm diameter brass Aperture size(Set of 8)	1	Set		
9	Rapid Moisture Meter with electronic Balance, calcium Carbide, Brush & Balls, all in wooden box.	1	No.		
10	Standard Compaction Test App. As per IS : 2720 (Part vii) 1000cc volume complete with collar & base plate. Rammer 2.6 kg x 310 mm	1	No.		
11	Burette - 100ml. Borosil	1	No.		
12	Beaker - 100ml. Borosil	1	No.		
13	Beaker - 250ml. Borosil	1	No.		
14	Beaker - 500ml. Borosil	1	No.		
15	Beaker - 1000ml. Borosil	1	No.		
16	Glass Funnel - 3" Borosil	1	No.		
17	Burette Stand	1	No.		
18	Hydrochloric Acid - 500ml. NICE/Others	1	No.		
19	Acetic Acid - 500ml. NICE/Others	1	No.		
20	Ammonium Solution - 500ml. NICE/Others	1	No.		
21	Potassium Permaganate - 500gm. NICE/Others	1	No.		
22	Sulphuric Acid - 500ml. NICE/Others	1	No.		
23	Filter Paper Whatman - No. 1	1	No.		
24	Filter Paper Whatman - No. 41	1	No.		

25	Aggregate Crushing Value Apparatus. "Shiv/Rajco"	1	No.		
26	Aggregate Impact Value Apparatus (A.I.V.) "Shiv/Rajco"	1	No.		
27	Bitumen Extractor, Electrically Operated "Shiv/Rajco"	1	No.		
28	specific Gravity Bottle	1	No.		
29	G.I. Test Sieves for Coarse - 18"dia. (Set of 10)	1	Set		
30	Electric Oven with Thermostatic controlled, Range:- 250°C:- Double Walled, Inner chamber made of S.S., Sheet & Outer Surface made of M.S.I Phase, Size- 24"x24"x24" with three selves, "ACME"	1	No.		
31	G.I. Tray- 18" x24"	1	No.		
32	Standard Protect Mould 2200cc With Rammer	1	No.		
33	Aluminium Container - 3"	10	No.		
34	Mild steel los angeles abrasion testing machine 220v	1	No.		
35	Desktop Type -2 Hp Desktop Computer, Intel core i5, 11th Generation, 8 GB RAM, 512 GB PCIe* NV Me M.2 SSD, 2 TB Sata HDD 7200 rpm, Intel UHD Graphics 770, win 11 Pro, Display Size 23.8 Inch.	1	No.		
36	UPS 1 KVA Microtek	1	No.		
37	Printer A4 Size HP Laser Jet Printer A4 MFP 4104 Print, Scan, Copy with Duplex Printing , Wi-Fi ready, Print Speed- Normal up to 40 ppm, Duplex- upto 34 ipm, Memory 512 MB, Print Resolution 1200 x 1200 dpi, Input Tray-100 sheet, multipurpose tray, 250 sheet, Input tray- 50 sheet, Single pass document, feeder (SPDF), Connectivity- 1, Hi-speed USB 2.0.1 rear host USB, 1 Front USB port, Gigabit Ethernet LAN 10/100/1000 Base- T network, 802.1b/g/n/2.4/5 GHZ dual band Wi-fi, warranty 3 years	1	No.		

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SI	Item of Works	Qty	Unit	Rate	Amount
D	गुण नियंत्रण (सिंचाई सृजन) प्रमण्डल, गया के अन्तर्गत निम्नलिखित मशीनों एवं जाँच उपकरणों का क्रय/अधिष्ठापन				
1	Digital Compression Testing Machine capacity 2000KN Electrically Operated. The Digital compression Testing Machine has been designed to meet the need for a simple, economic and reliable means to test concrete for its compressive strength. The Loading Units of capacities 2000 KN test cubes upto 200mm and cylinders upto 300mm height can be "Shiv/Rajco"	2	Nos.		
2	Cast Iron Cube Mould- 15x15x15cm. Havey Duty	12	Nos.		
3	Electronic Balance, Capicity- 30kg, Sensitivity-2/5gm. "Panasonik Ind"	1	No.		
4	Electronic Balance- Capicity- 600gm., Sensitivity- 10mg "Panasonik Ind"	1	No.		
5	Slump Test Apparatus. Determining workability of concrete as per IS 1199 & IS 7320, consisting of slump cone with handles tamping rod, steel base plate & trowel	2	Nos.		
6	Gyrotary Sieves Shaker, for Sives Size-18" dia, 12" dia & 8" dia. Electrically Operated	2	Nos.		
7	Calcium Carbide	2	500gms.		
8	Brass Sieves for sand size-8" dia. I.S. Sieves 20cm diameter brass Aperture size(Set of 8)	1	Set		
9	Rapid Moisture Meter with electronic Balance, calcium Carbide, Brush & Balls, all in wooden box.	2	Nos.		
10	Standard Compaction Test App. As per IS : 2720 (Part vii) 1000cc volume complete with collar & base plate. Rammer 2.6 kg x 310 mm	1	No.		
11	Burette - 100ml. Borosil	1	No.		
12	Beaker - 100ml. Borosil	1	No.		
13	Beaker - 250ml. Borosil	1	No.		
14	Beaker - 500ml. Borosil	1	No.		
15	Beaker - 1000ml. Borosil	1	No.		
16	Glass Funnel - 3" Borosil	1	No.		
17	Burette Stand	1	No.		
18	Hydrochloric Acid - 500ml. NICE/Others	1	No.		
19	Acetic Acid - 500ml. NICE/Others	1	No.		
20	Ammonium Solution - 500ml. NICE/Others	1	No.		
21	Potassium Permaganate - 500gm. NICE/Others	1	No.		
22	Sulphuric Acid - 500ml. NICE/Others	1	No.		
23	Filter Paper Whatman - No. 1	1	No.		
24	Filter Paper Whatman - No. 41	1	No.		

25	Aggregate Crushing Value Apparatus. "Shiv/Rajco"	1	No.		
26	Aggregate Impact Value Apparatus (A.I.V.) "Shiv/Rajco"	1	No.		
27	Bitumen Extractor, Electrically Operated "Shiv/Rajco"	1	No.		
28	specific Gravity Bottle	2	Nos.		
29	G.I. Test Sieves for Coarse - 18" dia. (Set of 10)	1	Set		
30	Electric Oven with Thermostatic controlled, Range:- 250°C:- Double Walled, Inner chamber made of S.S., Sheet & Outer Surface made of M.S.I Phase, Size- 24"x24"x24" with three selves, "ACME"	1	No.		
31	G.I. Tray- 18" x24"	4	Nos.		
32	Standard Protect Mould 2200cc With Rammer	1	No.		
33	Aluminium Container - 3"	1	No.		
34	Desktop Type -2 Hp Desktop Computer, Intel core i5, 11th Generation, 8 GB RAM, 512 GB PCIe* NV Me M.2 SSD, 2 TB Sata HDD 7200 rpm, Intel UHD Graphics 770, win 11 Pro, Display Size 23.8 Inch.	1	No.		
35	UPS 1 KVA Microtek	1	No.		
36	Printer A4 Size HP Laser Jet Printer A4 MFP 4104 Print, Scan, Copy with Duplex Printing , Wi-Fi ready, Print Speed- Normal up to 40 ppm, Duplex- upto 34 ipm, Memory 512 MB, Print Resolution 1200 x 1200 dpi, Input Tray-100 sheet, multipurpose tray, 250 sheet, Input tray- 50 sheet, Single pass document, feeder (SPDF), Connectivity- 1, Hi-speed USB 2.0.1 rear host USB, 1 Front USB port, Gigabit Ethernet LAN 10/100/1000 Base- T network, 802.1b/g/n/2.4/5 GHZ dual band Wi-fi, warranty 3 years	1	No.		
37	Los Angeles abrasion value test machine	1	No.		
38	Flackness gauge index thickness testing as per specification 2286P-1	2	Nos.		
39	Elongation gauge index thickness testing as per specification 2286P-1	2	Nos.		
40	Mild steel los angeles abrasion testing machine 220v	1	No.		

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E	गुण नियंत्रण (सिंचाई सृजन) प्रमण्डल, डेहरी के अन्तर्गत निम्नलिखित मशीनों एवं जाँच उपकरणों का क्रय/अधिष्ठापन				
Sl	Item of Works	Qty	Unit	Rate	Amount
1	Digital Compression Testing Machine capacity 2000KN Electrically Operated. The Digital compression Testing Machine has been designed to meet the need for a simple, economic and reliable means to test concrete for its compressive strength. The Loading Units of capacities 2000 KN test cubes upto 200mm and cylinders upto 300mm height can be "Shiv/Rajco"	1	No.		
2	Cast Iron Cube Mould- 15x15x15cm. Heavy Duty	6	No.		
3	Electronic Balance, Capacity- 30kg, Sensitivity-2/5gm. "Panasonic Ind"	1	No.		
4	Electronic Balance- Capacity- 600gm., Sensitivity- 10mg "Panasonic Ind"	1	No.		
5	Slump Test Apparatus. Determining workability of concrete as per IS 1199 & IS 7320, consisting of slump cone with handles tamping rod, steel base plate & trowel	1	No.		
6	Gyrotary Sieves Shaker, for Sieves Size-18" dia, 12" dia & 8" dia. Electrically Operated	1	No.		
7	Calcium Carbide	1	500gm.		
8	Brass Sieves for sand size-8" dia. I.S. Sieves 20cm diameter brass Aperture size(Set of 8)	1	Set		
9	Rapid Moisture Meter with electronic Balance, calcium Carbide, Brush & Balls, all in wooden box.	1	No.		
10	Standard Compaction Test App. As per IS : 2720 (Part vii) 1000cc volume complete with collar & base plate. Rammer 2.6 kg x 310 mm	1	No.		
11	Burette - 100ml. Borosil	1	No.		
12	Beaker - 100ml. Borosil	1	No.		
13	Beaker - 250ml. Borosil	1	No.		
14	Beaker - 500ml. Borosil	1	No.		
15	Beaker - 1000ml. Borosil	1	No.		
16	Glass Funnel - 3" Borosil	1	No.		
17	Burette Stand	1	No.		
18	Hydrochloric Acid - 500ml. NICE/Others	1	No.		
19	Acetic Acid - 500ml. NICE/Others	1	No.		
20	Ammonium Solution - 500ml. NICE/Others	1	No.		
21	Potassium Permanganate - 500gm. NICE/Others	1	No.		
22	Sulphuric Acid - 500ml. NICE/Others	1	No.		
23	Filter Paper Whatman - No. 1	1	No.		
24	Filter Paper Whatman - No. 41	1	No.		
25	Aggregate Crushing Value Apparatus. "Shiv/Rajco"	1	No.		
26	Aggregate Impact Value Apparatus (A.I.V.) "Shiv/Rajco"	1	No.		
27	Bitumen Extractor, Electrically Operated "Shiv/Rajco"	1	No.		
28	specific Gravity Bottle	1	No.		
29	G.I. Test Sieves for Coarse - 18" dia. (Set of 10)	1	Set		

30	Electric Oven with Thermostatic controlled, Range:- 250°C:- Double Walled, Inner chamber made of S.S., Sheet & Outer Surface made of M.S.I Phase, Size- 24"x24"x24" with three selves, "ACME"	1	No.		
31	G.I. Tray- 18" x24"	1	No.		
32	Standard Protect Mould 2200cc With Rammer	1	No.		
33	Aluminium Container - 3"	1	No.		
34	Los Angeles abrasion value test machine	1	No.		
35	Mild steel los angeles abrasion testing machine 220v	1	No.		
36	Desktop Type -2 Hp Desktop Computer, Intel core i5, 11th Generation, 8 GB RAM, 512 GB PCIe* NV Me M.2 SSD, 2 TB Sata HDD 7200 rpm, Intel UHD Graphics 770, win 11 Pro, Display Size 23.8 Inch.	1	No.		
37	UPS 1 KVA Microtek	1	No.		
38	Printer A4 Size HP Laser Jet Printer A4 MFP 4104 Print, Scan, Copy with Duplex Printing , Wi-Fi ready, Print Speed- Normal up to 40 ppm, Duplex- upto 34 ipm, Memory 512 MB, Print Resolution 1200 x 1200 dpi, Input Tray-100 sheet, multipurpose tray, 250 sheet, Input tray- 50 sheet, Single pass document, feeder (SPDF), Connectivity- 1, Hi-speed USB 2.0.1 rear host USB, 1 Front USB port, Gigabit Ethernet LAN 10/100/1000 Base- T network, 802.1b/g/n/2.4/5 GHZ dual band Wi-fi, warranty 3 years	1	No.		

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F	गुण नियंत्रण (सिंचाई सृजन) प्रमण्डल, बिहारशरीफ के अन्तर्गत निम्नलिखित मशीनों एवं जाँच उपकरणों का क्रय/अधिष्ठापन				
Sl	Item of Works	Qty	Unit	Rate	Amount
1	Digital Compression Testing Machine capacity 2000KN Electrically Operated. The Digital compression Testing Machine has been designed to meet the need for a simple, economic and reliable means to test concrete for its compressive strength. The Loading Units of capacities 2000 KN test cubes upto 200mm and cylinders upto 300mm height can be "Shiv/Rajco"	2	Nos.		
2	Cast Iron Cube Mould- 15x15x15cm. Havey Duty	12	Nos.		
3	Electronic Balance, Capacity- 30kg, Sensitivity-2/5gm. "Panasonik Ind"	1	No.		
4	Electronic Balance- Capacity- 600gm., Sensitivity- 10mg "Panasonik Ind"	1	No.		
5	Slump Test Apparatus. Determining workability of concrete as per IS 1199 & IS 7320, consisting of slump cone with handles tamping rod, steel base plate & trowel	2	Nos.		
6	Gyrotary Sieves Shaker, for Sives Size-18" dia, 12" dia & 8" dia. Electrically Operated	2	Nos.		
7	Calcium Carbide	2	500gms.		
8	Brass Sieves for sand size-8" dia. I.S. Sieves 20cm diameter brass Aperture size(Set of 8)	1	Set		
9	Rapid Moisture Meter with electronic Balance, calcium Carbide, Brush & Balls, all in wooden box.	2	Nos.		
10	Standard Compaction Test App. As per IS : 2720 (Part vii) 1000cc volume complete with collar & base plate. Rammer 2.6 kg x 310 mm	1	No.		
11	Burette - 100ml. Borosil	1	No.		
12	Beaker - 100ml. Borosil	1	No.		
13	Beaker - 250ml. Borosil	1	No.		
14	Beaker - 500ml. Borosil	1	No.		
15	Beaker - 1000ml. Borosil	1	No.		
16	Glass Funnel - 3" Borosil	1	No.		
17	Burette Stand	1	No.		
18	Hydrochloric Acid - 500ml. NICE/Others	1	No.		
19	Acetic Acid - 500ml. NICE/Others	1	No.		
20	Ammonium Solution - 500ml. NICE/Others	1	No.		
21	Potassium Permaganate - 500gm. NICE/Others	1	No.		
22	Sulphuric Acid - 500ml. NICE/Others	1	No.		
23	Filter Paper Whatman - No. 1	1	No.		
24	Filter Paper Whatman - No. 41	1	No.		
25	Aggregate Crushing Value Apparatus. "Shiv/Rajco"	1	No.		
26	Aggregate Impact Value Apparatus (A.I.V.) "Shiv/Rajco"	1	No.		
27	Bitumen Extractor, Electrically Operated "Shiv/Rajco"	1	No.		
28	specific Gravity Bottle	2	Nos.		
29	G.I. Test Sieves for Coarse - 18" dia. (Set of 10)	1	Set		

30	Electric Oven with Thermostatic controlled, Range:- 250°C:- Double Walled, Inner chamber made of S.S., Sheet & Outer Surface made of M.S.I Phase, Size- 24"x24"x24" with three selves, "ACME"	1	No.		
31	G.I. Tray- 18" x24"	4	Nos.		
32	Standard Protect Mould 2200cc With Rammer	1	No.		
33	Aluminium Container - 3"	1	No.		
34	Desktop Type -2 Hp Desktop Computer, Intel core i5, 11th Generation, 8 GB RAM, 512 GB PCIe* NV Me M.2 SSD, 2 TB Sata HDD 7200 rpm, Intel UHD Graphics 770, win 11 Pro, Display Size 23.8 Inch.	1	No.		
35	UPS 1 KVA Microtek	1	No.		
36	Printer A4 Size HP Laser Jet Printer A4 MFP 4104 Print, Scan, Copy with Duplex Printing , Wi-Fi ready, Print Speed- Normal up to 40 ppm, Duplex- upto 34 ipm, Memory 512 MB, Print Resolution 1200 x 1200 dpi, Input Tray-100 sheet, multipurpose tray, 250 sheet, Input tray- 50 sheet, Single pass document, feeder (SPDF), Connectivity- 1, Hi-speed USB 2.0.1 rear host USB, 1 Front USB port, Gigabit Ethernet LAN 10/100/1000 Base- T network, 802.1b/g/n/2.4/5 GHZ dual band Wi-fi, warranty 3 years	1	No.		
37	Los Angeles abrasion value test machine	1	No.		
38	Flackness gauge index thickness testing as per specification 2286P-1	2	Nos.		
39	Elongation gauge index thickness testing as per specification 2286P-1	2	Nos.		
40	Mild steel los angeles abrasion testing machine 220v	1	No.		

Sl	Item of Works	Qty	Unit	Rate	Amount
G	गुण नियंत्रण (सिंचाई सृजन) प्रमण्डल, औरंगाबाद के अन्तर्गत निम्नलिखित मशीनों एवं जाँच उपकरणों का क्रय/अधिष्ठापन				
1	Digital Compression Testing Machine capacity 2000KN Electrically Operated. The Digital compression Testing Machine has been designed to meet the need for a simple, economic and reliable means to test concrete for its compressive strength. The Loading Units of capacities 2000 KN test cubes upto 200mm and cylinders upto 300mm height can be "Shiv/Rajco"	2	Nos.		
2	Cast Iron Cube Mould- 15x15x15cm. Heavy Duty	12	Nos.		
3	Electronic Balance, Capacity- 30kg, Sensitivity-2/5gm. "Panasonic Ind"	1	No.		
4	Electronic Balance- Capacity- 600gm., Sensitivity- 10mg "Panasonic Ind"	1	No.		
5	Slump Test Apparatus. Determining workability of concrete as per IS 1199 & IS 7320, consisting of slump cone with handles tamping rod, steel base plate & trowel	2	Nos.		
6	Gyrotary Sieves Shaker, for Sives Size-18" dia, 12" dia & 8" dia. Electrically Operated	2	Nos.		
7	Calcium Carbide	2	500gms.		
8	Brass Sieves for sand size-8" dia. I.S. Sieves 20cm diameter brass Aperture size(Set of 8)	1	Set		
9	Rapid Moisture Meter with electronic Balance, calcium Carbide, Brush & Balls, all in wooden box.	2	Nos.		
10	Standard Compaction Test App. As per IS : 2720 (Part vii) 1000cc volume complete with collar & base plate. Rammer 2.6 kg x 310 mm	1	No.		
11	Burette - 100ml. Borosil	1	No.		
12	Beaker - 100ml. Borosil	1	No.		
13	Beaker - 250ml. Borosil	1	No.		
14	Beaker - 500ml. Borosil	1	No.		
15	Beaker - 1000ml. Borosil	1	No.		
16	Glass Funnel - 3" Borosil	1	No.		
17	Burette Stand	1	No.		
18	Hydrochloric Acid - 500ml. NICE/Others	1	No.		
19	Acetic Acid - 500ml. NICE/Others	1	No.		
20	Ammonium Solution - 500ml. NICE/Others	1	No.		
21	Potassium Permanganate - 500gm. NICE/Others	1	No.		
22	Sulphuric Acid - 500ml. NICE/Others	1	No.		
23	Filter Paper Whatman - No. 1	1	No.		
24	Filter Paper Whatman - No. 41	1	No.		

25	Aggregate Crushing Value Apparatus. "Shiv/Rajco"	1	No.		
26	Aggregate Impact Value Apparatus (A.I.V.) "Shiv/Rajco"	1	No.		
27	Bitumen Extractor, Electrically Operated "Shiv/Rajco"	1	No.		
28	specific Gravity Bottle	2	Nos.		
29	G.I. Test Sieves for Coarse - 18"dia. (Set of 10)	1	Set		
30	Electric Oven with Thermostatic controlled, Range:- 250°C:- Double Walled, Inner chamber made of S.S., Sheet & Outer Surface made of M.S.I Phase, Size- 24"x24"x24" with three selves, "ACME"	1	No.		
31	G.I. Tray- 18" x24"	4	Nos.		
32	Standard Protect Mould 2200cc With Rammer	1	No.		
33	Aluminium Container - 3"	1	No.		
34	Desktop Type -2 Hp Desktop Computer, Intel core i5, 11th Generation, 8 GB RAM, 512 GB PCIe* NV Me M.2 SSD, 2 TB Sata HDD 7200 rpm, Intel UHD Graphics 770, win 11 Pro, Display Size 23.8 Inch.	1	No.		
35	UPS 1 KVA Microtek	1	No.		
36	Printer A4 Size HP Laser Jet Printer A4 MFP 4104 Print, Scan, Copy with Duplex Printing , Wi-Fi ready, Print Speed- Normal up to 40 ppm, Duplex- upto 34 ipm, Memory 512 MB, Print Resolution 1200 x 1200 dpi, Input Tray-100 sheet, multipurpose tray, 250 sheet, Input tray- 50 sheet, Single pass document, feeder (SPDF), Connectivity- 1, Hi-speed USB 2.0.1 rear host USB, 1 Front USB port, Gigabit Ethernet LAN 10/100/1000 Base-T network, 802.11b/g/n/2.4/5 GHZ dual band Wi-fi, warranty 3 years	1	No.		
37	Los Angeles abrasion value test machine	1	No.		
38	Flackness gauge index thickness testing as per specification 2286P-1	2	Nos.		
39	Elongation gauge index thickness testing as per specification 2286P-1	2	Nos.		
40	Mild steel los angeles abrasion testing machine 220v	1	No.		

H	गुण नियंत्रण (सिंचाई सृजन) प्रमण्डल, दरभंगा के अन्तर्गत निम्नलिखित मशीनों एवं जाँच उपकरणों का क्रय/अधिष्ठापन				
Sl	Item of Works	Qty	Unit	Rate	Amount
1	Digital Compression testing Machine Capacity-2000KN electrically operated with pressure guage make universal ISI standard	2	Nos.		
2	AIV machine make universal ISI standard	1	No.		
3	Fine Aggregate test sieve brass frame 8"/200mm dia internal as per IS required aparatus set of 14 seive make universal ISI standard	1	set		
4	Los Angeles abration value test machine	1	No.		
5	flackness gauge index thickness testing as per specification 2286P-1	2	No.		
6	Elongation gauge index thickness testing as per specification 2286P-1	2	No.		
7	Mild steel los angeles abration testing machine 220v	1	No.		
8	Slump cone test aprpratus make universal ISI standard	2	set		
9	Bitumen extractor (electric)	1	No.		
10	Sand pouring cylinder 100mm dia make universal ISI standard	1	No.		
11	Electronic digital weighing balance 30kgX1g danwar make	1	No.		
12	Digital String balance 50 kg capacity	1	No.		
13	Electric oven with thermostatic controlled ranre 2500*C double walled inner chamber made of S.S sheet and outer surface made of M.S single phase size 24"X24"X24" with three shelves.	1	No.		
14	Aliminium container	3	No.		
15	Procter compaction mould with jack 2250cc & 1000cc Cyllder and 4.9Kg, 2.6Kg rammer, 450mm & 3210 mm falling height, For test of OMC & MDD (IS 2720 Part 7 & 8) electric operated And automatic process	1	No.		
16	Plastic limit device & 425 micron sieve (IS-2700 Part -5)	1	No.		
17	Liquid limit device electric operated (IS-2700 Part -5)	1	No.		
18	Sand replacement cyllinder (Sand replacement method for test of dry density of soil & G.S.B. in field)(IS-2700 Part -5)	1	No.		
19	Digital balance , sensitivity 0.1 gm,0.001 gm (battery & electric operated)	1	No.		
20	Seive shaker gyratory make universal ISI standard	1	No.		
21	Aggregate Crushing Value Apparatus. "Shiv/Rajco"	1	No.		
22	Desktop Type -2 Hp Desktop Computer, Intel core i5, 11th Generation, 8 GB RAM, 512 GB PCLe* NV Me M.2 SSD, 2 TB Sata HDD 7200 rpm, Intel UHD Graphics 770, win 11 Pro, Display Size 23.8 Inch.	1	No.		
23	Printer A4 Size HP Laser Jet Printer A4 MFP 4104 Print, Scan, Copy with Duplex Printing , Wi-Fi ready, Print Speed- Normal up to 40 ppm, Duplex- upto 34 ipm, Memory 512 MB, Print Resolution 1200 x 1200 dpi, Input Tray-100 sheet, multipurpose tray, 250 sheet, Input tray- 50 sheet, Single pass document, feeder (SPDF), Connectivity- 1, Hi-speed USB 2.0.1 rear host USB, 1 Front USB port, Gigabit Ethernet LAN 10/100/1000 Base- T network, 802.1b/g/n/2.4/5 GHZ dual band Wi-fi, warranty 3 years	1	No.		

गुण नियंत्रण (सिंचाई सृजन) प्रमण्डल, भागलपुर के अन्तर्गत निम्नलिखित मशीनों एवं जाँच उपकरणों का क्रय/अधिष्ठापन					
SI	Item of Works	Qty	Unit	Rate	Amount
1	Digital Compression testing Machine Capacity-2000KN electrically operated with pressure guage make universal ISI standard	2	Nos.		
2	AIV machine make universal ISI standard	1	No.		
3	Fine Aggregate test sieve brass frame 8"/200mm dia internal as per IS required aparatus set of 14 seive make universal ISI standard	1	set		
4	Los Angeles abration value test machine	1	No.		
5	flackness gauge index thickness testing as per specification 2286P-1	2	No.		
6	Elongation gauge index thickness testing as per specification 2286P-1	2	No.		
7	Mild steel los angeles abration testing machine 220v	1	No.		
8	Slump cone test appratus make universal ISI standard	2	set		
9	Bitumen extractor (electric)	1	No.		
10	Sand pouring cylinder 100mm dia make universal ISI standard	1	No.		
11	Electronic digital weighing balance 30kgX1g danwar make	1	No.		
12	Digital String balance 50 kg capacity	1	No.		
13	Electric oven with thermostatic controlled ranre 2500°C double walled inner chamber made of S.S sheet and outer surface made of M.S single phase size 24"X24"X24" with three shelves.	1	No.		
14	Aluminium container	3	No.		
15	Procter compaction mould with jack 2250cc & 1000cc Cyllinder and 4.9Kg, 2.6Kg rammer, 450mm & 3210 mm falling height, For test of OMC & MDD (IS 2720 Part 7 & 8) electric operated And automatic process	1	No.		
16	Plastic limit device & 425 micron sieve (IS-2700 Part -5)	1	No.		
17	Liquid limit device electric operated (IS-2700 Part -5)	1	No.		
18	Sand replacement cyllinder (Sand replacement method for test of dry density of soil & G.S.B. in field)(IS-2700 Part -5)	1	No.		
19	Digital balance , sensitivity 0.1 gm,0.001 gm (battery & electric operated)	1	No.		
20	Seive shaker gyratory make universal ISI standard	1	No.		
21	Aggregate Crushing Value Apparatus. "Shiv/Rajco"	1	No.		
22	Desktop Type -2 Hp Desktop Computer, Intel core i5, 11th Generation, 8 GB RAM, 512 GB PCLe* NV Me M.2 SSD, 2 TB Sata HDD 7200 rpm, Intel UHD Graphics 770, win 11 Pro, Display Size 23.8 Inch.	1	No.		
23	Printer A4 Size HP Laser Jet Printer A4 MFP 4104 Print, Scan, Copy with Duplex Printing , Wi-Fi ready, Print Speed- Normal up to 40 ppm, Duplex- upto 34 ipm, Memory 512 MB, Print Resolution 1200 x 1200 dpi, Input Tray-100 sheet, multipurpose tray, 250 sheet, Input tray- 50 sheet, Single pass document, feeder (SPDF), Connectivity- 1, Hi-speed USB 2.0.1 rear host USB, 1 Front USB port, Gigabit Ethernet LAN 10/100/1000 Base- T network, 802.1b/g/n/2.4/5 GHZ dual band Wi-fi, warranty 3 years	1	No.		

गुण नियंत्रण (बाद नियंत्रण एवं जल निस्सरण) प्रमण्डल, गोपालगंज के अन्तर्गत निम्नलिखित मशीनों एवं जाँच उपकरणों का क्रय/अधिष्ठापन

Sl	Item of Works	Qty	Unit	Rate	Amount
1	Electric Operated Compression Teting Machine, Capacity-2000KN Compression Teting Machine Electrically-cum-hand operated. The Machine embodies an Hydraulic system designed to meet, the requirement of Indian Standards Specification 516-1959 for compression tests on concrete Cubes upto 5cm x 5cm x 5cm, 7.06cm x 7.06cm x 7.06cm, 10cm x 10cm x 10cm and 15cm x 15cm and also concrete Cylinders upto 10x20cm, 15x30cm on height.	1	NOS.		
2	Cast Iron Cube Mould-15x15x15cm. These are available in different size and are made according to Indian and British Standards. For the metric size cube moulds, the faces are machined flate to +/-0.02mm accuracy and finished to within 0.2mm. For the inch size moulds, the faces are machined that to +/-0.01 inches and finished to withi 0.01 in. All moulds are supplied complete with base plate.	15	NOS.		
3	Electronic Balance, Capacity-30kg, Sensitivity-2/5gm, Capacity-30kg Platform size-300 x 230mm Readability-0.5grms	1	NOS.		
4	Electronic Balance-Capacity-600gm, Sensitivity-10mg "Panasonic"	1	NOS.		
5	Electronic Balance-Capacity-200kg, Sensitivity-40/50gm. "Panasonic"	1	NOS.		
6	Slump Test Apparatus. Consists of slump cone fitted with handles and foot pieces in position. Base plate in octagonal shape two clamps slide over the foot grips of a standard slump cone and hold it securely while filling and rodding. A combination swivel carrying handle. Complete with graduated temping rod 0.60cms long and 16mm dia with 0-30cms scale graduation.	1	NOS.		
7	Gyrotary Sieve Shaker, Electric Operated for 18" sieves Carries upto 7 sieves of 450 mm diameter. The Shaker is driven by a 1/4 h.p (motor through a reduction gear imersed in oil). The sieve table does not rotate but is inclined from the vertical axis and the direction of inclination changes progressively in clockwise direction. If the stop-pin below the table is removed, the Shaker can have a rotary motion.	1	NOS.		
8	Calcium Carbide-500gm.pkt.	2	NOS.		
9	Brass Sieves for sand size-8" dia. (set of 8)20cm (8") dia brass frame without joint nincely polished End cott Pattern, double folded bottom having beading at top tight fitting with each other finished as per ISS, BSS and ASTM. All in series have stainless steel mesh and all coarse series have punched square steel sheet.	1	NOS.		
10	Speedy Moisture Meter. The unit consists of a pressure vessel with clamp for sealing cap. Rubber sealig gasket, pressure gauge calibrated in percentage moisture content 0.25% x 1% on the wet weight basis, a counter poised balance for weighing sample, a scoop for measuring carbide reagent, a bottle of reagent, one cleaning brush and a set of 4 steel balls for through mixing. Complete in highly polished wooden carrying case with handle.	1	NOS.		
11	Standard Protect mould-1000cc with 2.89kg rammer. When Compaction of soil in the field is done using rolling machines. It is important to know O.M.C and M.D.D. values. Standard Compaction test is used to determine in laboratory Optimum Moisture contents (O.M.C.) and Maximum Dry Density (M.D.D. ) of soils, which represents field samples. Compacted soils have increasing use in embankment of dams, highways. railways etc. In recent years in order to meet current heavy traffic on runways and highways, heavy duty field compacting equipment has come into use and in view of reproducing greater densities, heavy compaction tests using heavy compaction apparatus have been developed.	1	NOS.		
12	Burette-100ml.	1	NOS.		
13	Beaker-100ml.	6	NOS.		
14	Beaker-250ml.	6	NOS.		
15	Beaker-500ml.	6	NOS.		
16	Beaker-1000ml.	2	NOS.		

17	Funnel-3"	6	NOS.		
18	Burette Stand	1	NOS.		
19	Hydrochloric Acid-500ml.	2	NOS.		
20	Acetic Acid-500ml.	2	NOS.		
21	Ammonia solution-500ml.	2	NOS.		
22	Potassium Permanganate-500gm.	2	NOS.		
23	Sulphuric Acid-500ml.	2	NOS.		
24	Filter Paper Whatman-No. 1	1	NOS.		
25	Filter Paper Whatman-No. 41	1	NOS.		
26	Aggregate Crushing Value Apparatus	1	NOS.		
27	Aggregate Impact Value Apparatus (A.I.V)	1	NOS.		
28	Bituminous Extractor Test Apparatus (Electric Operated)	1	NOS.		
29	Specific Gravity Bottle	1	NOS.		
30	G.I Sieve for aggregate Size 18" (Set of 15)	1	NOS.		
31	Hot Air Oven 18"x18"x18", Thermostatically Controlled	1	NOS.		
32	G.I Tray 18"x24"	2	NOS.		
33	Standard Protect Mould (2200 cc) with Rammer	1	NOS.		
34	Aluminium Container-3"	12	NOS.		
35	Universal Tensile Testing Machine	1	NOS.		
36	Density Basket	2	NOS.		
37	Buoyancy Balance	2	NOS.		
38	Cylindrical metal measures	2	NOS.		
39	Bulk Density	2	NOS.		
40	Atterberg Apparatus	2	NOS.		
41	Specific Gravity Apparatus	2	NOS.		
42	Pipette Method for size distribution of Soil Apparatus	2	NOS.		
43	CBR Test Apparatus For Laboratory	1	NOS.		
44	Sand replacement Cylinder (Sand replacement method for Test of Dry density of Soil and G.S.B in Field) (IS-2720 Part 28)	2	NOS.		
45	Rebound Hammer	9	NOS.		
46	Desktop Type-1 (HP Desktop Computer, Intel Core i7 12th Generation, 16 GB RAM, 512 GB PCIe*NV Me M.2 SSD, 2 TB Sata HDD 7200 rpm, Intel UHD Graphics 770, win 11 Pro, Display Size 23.8 Inch.)	1	NOS.		
47	UPS (1KVA Microtek.)	1	NOS.		
48	Printer A4 Size (HP Laser Jet Printer A4 MFP 4104 Print, Scan, Copy with Duplex Printing, Wi-Fi, Print Speed- Normal up to 40 ppm, duplex-upto 34 ipm, Memory 512 MB, Print resolution 1200 X 1200 dpi, Input tray-100 sheet, multipurpose tray, 250 sheet, Input tray-50 sheet, Single pass document feeder (SPDF), Connectivity-1, Hi-speed USB 2.0.1 rear host USB, 1 Front USB port, Gigabit Ethernet LAN 10/100/1000 Base-T network, 802.11b/g/n/2.4/5 GHZ dual band Wi-Fi Warranty 5 Years.	1	NOS.		

Sl	Item of Works	Qty	Unit	Rate	Amount
K	गुण नियंत्रण (बाद नियंत्रण एवं जल निस्सरण) प्रमण्डल, कटिहार के अन्तर्गत निम्नलिखित मशीनों एवं जाँच उपकरणों का क्रय/अधिष्ठापन				
1	Lechateliers Apparatus (Set of 6)	1	No		
2	Vicat Needle Apparatus	1	No		
3	Abrasion Testing Machine	1	No		
4	Electronic Balance-Capacity-600gm., Sensitivity- 10 mg "Panasonic"	1	No		
5	Slump Test Apparatus. Consists of slump cone fitted with handles and foot pieces in position. Base plate in octagonal shape two clamps slide over the foot grips of a standard slump cone and hold it securely while filling and rodding. A Combination swivel carrying handle. Complete with graduated temping rod 0-60 cms long and 16mm dia with 0-30 cms scale graduation	1	No		
6	Brass Sieves for sand size-8" dia. (set of 8)20cm (8") dia brass frame without joint nicely polished Endcopattern, double folded bottom having beading at top tight fitting with each other finished as per ISS, BSS and ASTM. All ine series have stainless steel mesh and all coarse series have punched square steel sheet.	1	No		
7	Standard Protect mould -1000cc with 2.89kg rammer When Compaction of soil in the field is done using rolling machines, it is important to know O.M.C. and M.D.D. values. Standard Compaction test is used to determine in laboratory Optimum Moisture Contents (O.M.C.) and Maximum Dry Density (M.D.D.) of soils, which represents field samples.	1	No		
8	Burette-100ml.	1	No		
9	Beaker-100ml.	3	No		
10	Beaker-250ml.	3	No		
11	Burette Stand	1	No		
12	Hydrochloric Acid-500ml.	1	No		
13	Benzene-2.5 Lit	1	No		
14	Acetic Acid-500ml.	1	No		
15	Ammonia Solution-500ml.	1	No		
16	Potassium Permaganate-500gm.	1	No		
17	Sulphuric Acid-500ml.	1	No		
18	Filter Paper Whatman-No.1	1	No		
19	Filter Paper Whatman-No.41	1	No		
20	Aggregate Crushing Value Apparatus	1	No		
21	Aggregate Impact Value Apparatus (A.I.V.)	1	No		
22	Bituminous Extractor Test Apparatus (Electric Operated)	1	No		

23	Specific Gravity Bottle (500ml)	1	No		
24	G.I. Sieve for aggregate Size-12" dia.(Set of 15)	1	No		
25	Hot Air Oven 18"x18"x18", Thermostatically Controlled	1	No		
26	G.I. Tray 18"x24"	2	No		
27	Filter Paper for Bitumen (pkt. Of 100)	1	No		
28	Universal Tensile Testing Machine (Three load cells)- (5KN, 50KN,& 100KN) – (Servo motor controlled system) Model No. – PT-115TS10/100 HSN:90248099	1	No		
29	Digital Vernier (Accuracy $\pm 0.02$ mm)	1	No		
30	Avantech Rebound Hammer	1	No		
31	Digital Thickness Gauge-Dead Weight Type –(2KPA)	1	No		
32	Desktop type-1 (HP Desktop computer intel core i7 12th Generation 16GB RAM 512 GB PCLE NV me 2 SSD 2 TB sata HDD 7200 rpm intel UHD graphics 770 win 11 pro.	1	No		
33	U.P.S. (1 KVA Microtek)	1	No		
34	Printer A4 size HP Lazer Jet Printer MFP 4104 Print, Scan, Copy with duples printing wifi print speed 40PPM memory 512 MB print.	1	No		

## Annexure- XII

Sl	Item of Works	Qty	Unit	Rate	Amount
L	गुण नियंत्रण (बाढ़ नियंत्रण एवं जल निस्सारण) प्रमण्डल, मुजफ्फरपुर के अन्तर्गत निम्नलिखित मशीनों एवं जाँच उपकरणों का क्रय/अधिष्ठापन				
1	UNIVERSAL TENSILE TESTING MACHINE-(THREE LOAD CELLS)-(5KN, 50KN & 100KN)-(SERVO MOTOR CONTROLLED SYSTEM) Model No.: PT-115TS10/100 HSN:90248099	1	Nos		
2	DIGITAL THICKNESS GAUGE-DEAD WEIGHT TYPE-2 KPA, 20 KPA-0.001X10 MM- INSIZE	1	Nos		
3	DESKTOP TYPE-1 HP DESKTOP COMPUTER INTEL CORE I7 12 GEN 16 GB RAM 512 GB PCLE 2SSD 2TB HDD 7200 RPM INTEL UHD GRAPHICS 770 WIN 11 PRO	1	Nos		
4	UPS(1KVA MICROTEK)	1	Nos		
5	PRINTER A4 SIZE(HP LASER JET PRINTER MFP 4104 PRINT & SCAN COPY WITH DUPLEX PRINTING WIFI PRINT SPEED 40 PPM MEMORY 512 MB PRINT	1	Nos		

M	गुण नियंत्रण (बाढ़ नियंत्रण एवं जल निस्सरण) प्रमण्डल, समस्तीपुर के अन्तर्गत निम्नलिखित मशीनों एवं जाँच उपकरणों का क्रय/अधिष्ठापन				
SI	Item of Works	Qty	Unit	Rate	Amount
1	UNIVERSAL TENSILE TESTING MACHINE-(THREE LOAD CELLS)-(5KN, 50KN & 100KN)-(SERVO MOTOR CONTROLLED SYSTEM) Model No.: PT-115TS10/100 HSN:90248099	1	Nos		
2	DIGITAL THICKNESS GAUGE-DEAD WEIGHT TYPE-2 KPA, 20 KPA-0.001X10 MM- INSIZE	1	Nos		
3	DESKTOP TYPE-1 HP DESKTOP COMPUTER INTEL CORE I7 12 GEN 16 GB RAM 512 GB PCLE 2SSD 2TB HDD 7200 RPM INTEL UHD GRAPHICS 770 WIN 11 PRO	1	Nos		
4	UPS(1KVA MICROTEK)	1	Nos		
5	PRINTER A4 SIZE(HP LASER JET PRINTER MFP 4104 PRINT & SCAN COPY WITH DUPLEX PRINTING WIFI PRINT SPEED 40 PPM MEMORY 512 MB PRINT	1	Nos		

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N	गुण नियंत्रण (बाढ़ नियंत्रण एवं जल निस्सरण) प्रमण्डल, पटना के अन्तर्गत निम्नलिखित मशीनों एवं जाँच उपकरणों का क्रय/अधिष्ठापन				
Sl	Item of Works	Qty	Unit	Rate	Amount
1	Speedy moisture meter range 0-25% (Gauge Div.-0.5%) with digital weighting balance	04 Nos.	Each		
2	Thickness Gauge with ISI certification mark IS: 2386 (Part-I)	04 Nos.	Each		
3	Length Gauge with ISI certification mark IS: 2386 (Part-II)	04 Nos.	Each		
4	Density Basket	02 Nos.	Each		
5	Buoyancy Balance	02 Nos.	Each		
6	Cylindrical metal measures	02 Nos.	Each		
7	Bulk Density	02 Nos.	Each		
8	Crushing value apparatus	02 Nos.	Each		
9	Aggregate Impact Tester	02 Nos.	Each		
10	Sieve Shaker 300mm Dia. Long Size digital	01 Nos.	Each		
11	Sieve Shaker 200mm Dia. Long Size Automatic	01 Nos.	Each		
12	Atterberg Apparatus motorized	04 Nos.	Each		
13	Specific Gravity Apparatus and water absorption	02 Nos.	Each		
14	Apparatus for grain size analysis of Soil by Pipette Method	02 Nos.	Each		
15	CBR Testing Machine For Laboratory	01 Nos.	Each		
16	Electronic Weighing Machine 5kg Sensitivity 0.01gm.	02 Nos.	Each		
17	Electronic Weighing Machine 3kg Sensitivity 0.01gm.	02 Nos.	Each		
18	Electronic Weighing Machine 1kg Sensitivity 0.01gm.	02 Nos.	Each		
19	Electronic Weighing Machine 300gm. Sensitivity 0.001gm.	02 Nos.	Each		
20	Universal Tensile Testing Machine	01 Nos.	Each		
21	Apparatus for Bitumen extractor electric operated	02 Nos.	Each		
22	Sand replacement Cylinder (Sand replacement method for Test of Dry density of Soil and G.S.B. in Field) (IS- 2720 Part 28)	04 Nos.	Each		
23	Digital thickness gauge on 2KPA load	04 Nos.	Each		
24	Desktop Type-1 (HP Desktop Computer, Intel Core i7 12 <sup>th</sup> Generation, 16 GB RAM, 512 GB PCIe*NV Me M.2 SSD, 2 TB Sata HDD 7200 rpm, Intel UHD Graphics 770, win 11 Pro, Display Size 23.8 Inch.)	01 Nos.	Each		
25	UPS (1KVA Microtek.)	01 Nos.	Each		
26	Printer A4 Size (HP Laser Jet Printer A4 MFP 4104 Print, Scan, Copy with Duplex Printing, Wi-Fi, Print Speed- Normal up to 40 ppm, duplex-upto 34 ipm, Memory 512 MB, Print resolution 1200 X 1200 dpi, Input tray-100 sheet, multipurpose tray, 250 sheet, Input tray-50 sheet, Single pass document feeder (SPDF), Connectivity-1, Hi-speed USB 2.0.1 rear host USB, 1 Front USB port, Gigabit Ethernet LAN 10/100/1000 Base-T network, 802.11b/g/n/2.4/5 GHZ dual band Wi-Fi Warranty 5 Years.	01 Nos.	Each		

Sl	Item of Works	Qty	Unit	Rate	Amount
0	गुण नियंत्रण (बाढ़ नियंत्रण एवं जल निस्सरण) प्रमण्डल, बीरपुर के अन्तर्गत निम्नलिखित मशीनों एवं जाँच उपकरणों का क्रय/अधिष्ठापन				
1	Electric Operated Compression Testing Machine, Capacity-2000KN Compression Testing Machine Electrically cum hand operated, The machine embodies and Hydraulic system designed to meet, the requirement of Indian Standards Specification 516-1959 for compression tests on concrete Cube up to 5cmX5cmX5cm and 7.06cmX7.06cmX7.06cm, 10cmX10cmX10cm and 15cmX15cm and also concrete cylinders up to 10X20cm, 15X30cm height.	2	Nos		
2	Cast Iron Cube Mould-15X15X15cm. These are available different size and are made according to Indian and British Standards. For the metric size club moulds, the faces are machined flat to +/- 0.02mm accuracy and finished to within 0.2mm. For the inch size moulds, the faces are machined flat to +/-0.01 inches and finished to within 0.01 in. All molds are supplied complete with base plated.	15	Nos		
3	Electronic Balance, Capacity-30 kg. Sensitivity-2/5 gm, Capacity-30kg platform size 300X230mm readability-0.5 grams.	1	No		
4	Electronics Balance-Capacity-600gm, Sensitivity-10mg "Panasonic"	1	No		
5	Electronics Balance-Capacity-200gm, Sensitivity-40/50mg "Panasonic"	1	No		
6	Slump test apparatus. Consists of slump cone fitted with handles and foot pieces in position. Base plate in octagonal shape two clamps slide over the foot grip of a standard slump cone and hold it securely while filling and rodding. A combination swivel carrying handle. complete with graduated temping rod 0-60cm long and 16mm die with 0-30 cms scale graduation	1	No		
7	Gyratory sieve Shankar, Electric Operated for 18" sleeves Carries up to 7 sieves of 450mm diameter. The shaker is driver by a ¼ h.p. (motor thought a reduction gear immersed in oil.)The sieve tables does not rotate but is inclined from the vertical axis and the direction of inclination changes progressively in clockwise direction. If the stop-pin below the table is removed, the shaker can have a rotary motion.	1	No		
8	Calcium Carbide-500gm, pkt.	2	Nos		
9	Brass sieves for sand size-8" dia (set of 8) 20cm (8") dia brass frame without joint nicely polished End Cott pattern, double folded bottom having beading at top tight fitting with each other finished as per ISS, BSS and ASTM, All in series have stainless steel mesh and all coarse series have punched square steel sheet.	1	No		
10	Speedy Moisture Meter The unit consists of a pressure vessel with clamp for sealing cap. Rubber sealing gasket, pressure gauge calibrated in percentage moisture content 0.25%X1% on the wet weight basis, a counter poised balance for weighing sample, a scoop for measuring carbide reagent, a bottle of reagent, one cleaning brush and a set of 4 steel balls for through mixing. Complete in highly polished wooden arraying case with handle.	1	No		
11	Standard Protect Mold 1000cc with 2.89km rammer. When compaction of soil in the field is done using rolling machines, it is important to know O.M.C. and M.D.D. values. Standards Compaction test is used to determine in laboratory Optimum Moisture Contents (O.M.C.) and Maximum Dry Density (M.D.D.) of solid, which represents field samples, Compacted soils have increasing use embankment of dams, highways railways etc., In recent years in order to meet current heavy traffic on runways and highways, heavy duty field compacting equipment has come into use and in view of reproducing greater densities, heavy compaction tests using heavy compaction apparatus have been developed.	1	No		

12	Burette-100ml	1	No		
13	Beaker-100ml	6	Nos		
14	Beaker-250ml	6	Nos		
15	Beaker-500ml	6	Nos		
16	Beaker-1000ml	2	Nos		
17	Funnel-3"	6	Nos		
18	Burette Stand	1	No		
19	Hydrochloric Acid-500ml	2	Nos		
20	Acetic Acid-500ml	2	Nos		
21	Ammonia Solution-500ml	2	Nos.		
22	Potassium Permagnate-500gm	2	Nos.		
23	Sulphuric Acid-500ml	2	Nos.		
24	Filter Paper Whatman-No.1	1	No.		
25	Filter Paper Whatman-No.41	1	No		
26	Aggregate Crushing Value Apparatus.	1	No		
27	Aggregate Impact Value Apparatus (A.I.V.)	1	No		
28	Bituminous Extractor Test Apparatus (Electric Operated)	1	No		
29	Specific Gravity Bottle	1	No		
30	G.I. Sieve for aggregate Size 18" (Set of 15)	1	No		
31	Hot Air Oven 18"X18"X18", Thermostatically Controlled.	1	No		
32	G.I. Tray 18"X24"	2	Nos		
33	Standard Protect Mould (1000cc) with Rammer	1	No		
34	Standard Protect Mould (2200cc) with Rammer	1	No		
35	Aluminum Container 3"	12	Nos		
36	Universal Tensile Testing Machine (Three Load Cells) (5KN, 50KN & 100KN)- (Servo Motor Controlled System) Model No-PT-115TS10/100 HSN-90248099	1	No		
37	Digital Thickness guage- Dead Weight Type-2KPa, 20KPa-0.001x10mm	1	No		
38	Desktop type-2 HP Desktop computer intel core i7 12 <sup>th</sup> Gen 16 GB RAM 512 GB PCLE NVME 2SSD 2TB sata HDD 7200 rpm intel UHD Graphics 770 win 11pro	1	No		
39	UPS (1KVA Microtek)	1	No		
40	Printer A4 Size (HP Lazer Jet Printer MFP4104 print scan, copy with duplex printing wifi print speed 40 ppm memory 512 MB print	1	No		

पत्रांक.....28.....

खगौल,

दिनांक 04/01...../2024

प्रतिलिपि:- सूचना एवं जनसम्पर्क पदाधिकारी, जल संसाधन विभाग, सिंचाई भवन, पटना को सूचनार्थ, राष्ट्रीय तथा राज्य स्तरीय दैनिक समाचार पत्रों एवं वेवसाईट के माध्यम से प्रचार-प्रसार हेतु समर्पित।

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04/01/2023  
अधीक्षण अभियंता  
शोध एवं प्रशिक्षण अंचल  
खगौल, पटना।