

## निविदा एवं संविदा प्रपत्र

कार्य का नाम	गेज, निस्सरण, गाद एवं जल गुणवत्ता स्थल शहजादपुर (कौशाम्बी), उत्तर प्रदेश पर हटमेंट का निर्माण कार्य
अनुमानित लागत	रु० 9,87,302/- (रुपया नौ लाख सत्तासी हजार तीन सौ दो मात्र)
धरोहर राशि	रु० 19750/- (रुपया उन्नीस हजार सात सौ पच्चास मात्र)
वैद्य समय	90 दिन
निविदा प्रपत्र स्वीकार करने की अंतिम तिथि	21.03.2011(15:00 बजे तक)
खुलने की तिथि	21.03.2011(15:30 बजे तक)

## TENDER & CONTRACT DOCUMENT

<b>NAME OF WORK</b>	<b>CONSTRUCTION OF HUTMENT AT GAUGE, DISCHARGE, SILT AND WATER QUALITY SITE, SHAHZADPUR (KAUSHAMBI), U.P.</b>	
<b>ESTIMATED COST</b>	<b>Rs.9,87,302/- (Rupees Nine lakh eighty seven thousand three hundred two) only</b>	
<b>EARNEST MONEY</b>	<b>Rs.19,750/- (nineteen thousand seven hundred fiftyonly)</b>	
<b>TIME ALLOWED</b>	<b>90 days</b>	
<b>LAST DATE OF RECEIPT TENDER PAPER</b>	<b>21.03.2011</b>	<b>AT 3:00 P.M.</b>
<b>DATE OF OPENING</b>	<b>21.03.2011</b>	<b>AT 3:30 P.M.</b>

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<b>NAME OF WORK: CONSTRUCTION OF HUTMENT AT GAUGE, DISCHARGE, SILT AND WATER QUALITY SITE, SHAHZADPUR (KAUSHAMBI), U.P.</b>
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Executive Engineer  
Middle Ganga Division -3  
Central Water Commission  
Varanasi- 221002

<p style="text-align: center;">☎ (0542) 2282303 ☎ (0542) 2282304</p>	<p style="text-align: center;"><b>भारत सरकार</b> <b>केंद्रीय जल आयोग</b> <b>कार्यालय अधिशासी अभियंता</b> <b>मध्य गंगा मंडल-3</b> <b>वाराणसी</b></p>	<p style="text-align: center;"><b>आकाशदीप पन्नालाल पार्क</b> <b>वाराणसी-221002</b></p>
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### निविदा आमंत्रण सूचना

1. भारत के राष्ट्रपति की ओर से मध्य गंगा मंडल-3, केंद्रीय जल आयोग, वाराणसी कार्यालय के अंतर्गत 'गेज, निस्सरण, गाद एवं जल गुणवत्ता स्थल शहजादपुर (कौशाम्बी), उत्तर प्रदेश पर हटमेंट का निर्माण कार्य' के लिए केंद्रीय लोक निर्माण विभाग के अनुमोदित एवं पात्र टेकेंदारों तथा उन टेकेंदारों से जो दूरसंचार विभाग, एम.ई.एस., रेलवेज तथा राज्य लोक निर्माण विभाग, सिचाई विभाग एवं उत्तर प्रदेश जल निगम की समुचित सूची में हैं, मद दर निविदाएं आमंत्रित की जाती हैं। कार्य की अनुमानित लागत **₹ 9,87,302/- (रुपया नौ लाख सत्तासी हजार तीन सौ दो मात्र)** है। तथापि, यह अनुमानित लागत मोटे तौर पर एक मार्ग निर्देश मात्र है।
  2. सफल निविदाकारों के साथ, निर्धारित प्रपत्र सं. के.लो.नि.वि.-7/8 पर, जो कि भारत सरकार के प्रकाशन के रूप में उपलब्ध है, करार किया जायेगा, निविदाकार उक्त प्रपत्र के विभिन्न निबंधन एवं शर्तों के अनुसार अपनी दरें बताएगा।
  3. निर्माण कार्य पूरा करने के लिए अनुमत समय **90 दिन** निविदा स्वीकार करने की सूचना/कार्य प्रारम्भ करने के लिखित आदेश की तिथि से अथवा निविदा कागजात में सूचित चरणों, यदि कोई हो, के अनुसार, कार्यस्थल सौंपे जाने के प्रथम दिन से, जो भी बाद में हो, होगा।
  4. कार्य हेतु कार्य स्थल उपलब्ध है।
  5. प्रपत्र जारी करने हेतु आवेदन, निविदाएं खोले जाने की निर्धारित तिथि के **चार दिन पूर्व सांय चार बजे** के बाद से नहीं स्वीकार किए जाएंगे। निविदा प्रपत्रों का निर्गम, निविदा खोले जाने की निर्धारित तिथि के **तीन दिन पूर्व बन्द** कर दिया जायेगा।  
रेखांक, चिनिर्देश, कार्य के विभिन्न वर्गों के लिए मात्राओं की अनुसूची के सहित निविदा कागजात एवं टेकें की शर्तों का सैट जिनका उस टेकेंदार द्वारा अनुपालन किया जाना है, जिसकी निविदा सवीकृत हो जाए तथा अन्य आवश्यक कागजात रविवार एवं सार्वजनिक छुट्टियों को छोड़कर, प्रतिदिन **11 बजे** पूर्वाह्न से **4 बजे** अपराह्न के बीच अधिशासी अभियंता, मध्य गंगा मंडल-3, केंद्रीय जल आयोग, वाराणसी के कार्यालय में देखे जा सकते हैं। मानक प्रपत्र को छोड़कर, निविदा कागजात उक्त कार्यालय से ऊपर निर्दिष्ट समय के दौरान निम्नलिखित का भुगतान कर प्राप्त किए जा सकेंगे।
- (i) निविदा की लागत के तौर पर **₹ 500/-** की नगद राशि और यदि टेण्डर फार्म वेब साइट से डाउन लोड करना है तो टेण्डर भरते समय फर्म द्वारा **₹ 500/-** का किसी अनुसूचित बैंक का डिमाण्ड ड्राफ्ट अधिशासी अभियंता, मध्य गंगा मंडल-3, केंद्रीय जल आयोग वाराणसी के पक्ष में भारतीय स्टेट बैंक मुख्य शाखा, वाराणसी में देय टेण्डर फार्म के मूल्य के रूप में टेण्डर के साथ देना होगा।
  - (ii) बयाना राशि **₹ 19750/- (रुपया उन्नीस हजार सात सौ पच्चास मात्र)** ट्रेजरी चालान रसीद/ किसी अनुसूचित बैंक की मांग जमा रसीद/ किसी अनुसूचित बैंक की सावधि जमा रसीद/ किसी अनुसूचित बैंक का डिमाण्ड ड्राफ्ट के रूप में अधिशासी अभियंता, मध्य गंगा मंडल-3, केंद्रीय जल आयोग, वाराणसी के पक्ष में भारतीय स्टेट बैंक मुख्य शाखा, वाराणसी में देय टेण्डर फार्म के साथ देना होगा।
  - (iii) टेण्डर फार्म स्वीकार करने की अंतिम तिथि : **21.03.2011**  
टेण्डर फार्म बिक्री करने की अंतिम तिथि : **18.03.2011**

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## NOTICE INVITING TENDER

1. Item rate tenders are invited on behalf of the President of India from approved and eligible contractors of C.P.W.D, and those of appropriate list of Dept. of Telecommunication, MES, Railways and State P.W.D., Irrigation Dept. & U.P. Jal Nigam for the work of “CONSTRUCTION OF HUTMENT AT GAUGE, DISCHARGE, SILT AND WATER QUALITY SITE, SHAHZADPUR (KAUSHAMBI), U.P.”
  - 1.1 The work is estimated to cost **Rs.9,87,302/- (Rupees Nine lakh eighty seven thousand three hundred two) only**. This estimate, however, is given merely as a rough guide.
2. Agreement shall be drawn with the successful tenderer on the prescribed Form **No.CPWD-7/8**, which is available as a Government of India Publication. Tenderer shall quote his rates as per various terms and conditions of the said form which will form part of the agreement.
3. The time allowed for carrying out the work will be **90 days** from the date of issue of letter of acceptance of tender/work order or from the first date of handing over of the site, whichever is later, in accordance with the phasing, if any, indicated in the tender documents.
4. The site for the work is available.
5. Receipt of application for issue of forms will be stopped by **16:00 Hrs. four days** before the date fixed for opening of tenders. Issue of tender forms will be stopped **three days before** the date fixed for opening of tenders.

Tender documents consisting of plans, specifications, the schedule of quantities of the various classes of work to be done and set of terms and conditions of contract to be complied with by the contractors whose tender may be accepted and other necessary documents can be seen in the office of the Executive Engineer, Middle Ganga Division - 3, C.W.C., Varanasi between hours of **11:00 A.M. & 04:00 P.M** every day except on Sundays and Public holidays. Tender document, excluding standard form, will be issued from office of the Executive Engineer, Middle Ganga Division-3, C.W.C., Varanasi during the hours specified above, on payment of the following:

  - (i) **Rs. 500/-** in cash (Non-refundable) as cost of tender and in case the tender form is down loaded from web site, at the time of submission of tender, the firm has to enclose an account payee demand draft for **Rs.500/-** drawn on any scheduled Bank in favour of the Executive Engineer, Middle Ganga Division -3, C.W.C., Varanasi payable at SBI main branch, Varanasi towards the cost of the tender form.
  - (ii) Earnest Money of **Rs.19,750/- (nineteen thousand seven hundred fiftyonly)** in the form of Treasury Challan receipt/Deposit at Call receipt of a scheduled bank/Fixed Deposit receipt of a scheduled bank/Demand Draft of a scheduled bank issued in favour of the Executive Engineer, Middle Ganga Division -3, C.W.C., Varanasi payable at SBI main branch, Varanasi must be enclosed along with the Tender.
  - (iii) **Last date of receipt of Tender : 21.03.2011**
  - (iv) **Last date of sale of tender : 18.03.2011**

6. निविदाएं, जो हमेशा मुहरबंद लिफाफे में रखी जाती चाहिए तथा उन लिफाफों पर कार्य का नाम लिखा होना चाहिए, जो अधिशासी अभियंता, मध्य गंगा मंडल-3, केंद्रीय जल आयोग, वाराणसी द्वारा दिनांक 21.03.2011 को 3:00 बजे सायं तक प्राप्त की जाएगी और उसी दिन 3:30 बजे सायं उनके द्वारा या उनके प्राधिकृत प्रतिनिधि द्वारा अपने कार्यालय में खोली जायेगी।
7. टेकेंदार, स्वीकृति पत्र जारी होने के पश्चात निर्धारित दिनों के भीतर निविदित राशि के 5% (पाँच प्रतिशत) के बराबर अप्रति सहरणीय निष्पादन गारंटी बंधपत्र एवं निविदित राशि के 5% (पाँच प्रतिशत) के बराबर सुरक्षा जमा राशि (कुल 10%) प्रस्तुत करेगा जो निर्धारित फार्म के अनुसार ट्रेजरी चालान रसीद/किसी अनुसूचित बैंक की मांग जमा रसीद/किसी अनुसूचित बैंक की सावधि जमा रसीद/किसी अनुसूचित बैंक का डिमाण्ड ड्राफ्ट के रूप में अधिशासी अभियंता, मध्य गंगा मंडल-3, केंद्रीय जल आयोग, वाराणसी के पक्ष में भारतीय स्टेट बैंक मुख्य शाखा, वाराणसी में देय होगी। इस अवधि को भारसाधक अभियंता द्वारा टेकेंदार के लिखित अनुरोध पर अधिकतम निर्धारित दिनों की अवधि तक आगे बढ़ाया जा सकता है।
8. कार्य का ब्यौर इस प्रकार है:-

**गेज, निस्सरण, गाद एवं जल गुणवत्ता स्थल शहजादपुर (कौशाम्बी), उत्तर प्रदेश पर हटमेंट का निर्माण कार्य**

निविदाकारों द्वारा जाँच के लिए कार्यों से संबंधित अन्य नक्शों तथा कागजातों की प्रतियां उपर्युक्त अधिकारी के कार्यालय में खोली जायेगी। निविदाकारों को सलाह दी जाती है कि वे निविदा प्रस्तुत करने से पहले कार्यस्थल एवं उसके आसपास की जगह, जमीन की प्रकृति एवं अनमूदा (जहाँ तक व्यवहार्य हो), कार्य स्थल का रूप एवं प्रकृति, कार्य स्थल तक पहुँचने के साधन, स्थान जो उन्हें चाहिए उसका निरीक्षण व जाँच कर लें तथा जोखिम, आकस्मिकता एवं अन्य परिस्थितियों से जो निविदा को प्रभावित कर सकती हैं, संबंधित आवश्यक जानकारी स्वयं प्राप्त कर, सन्तुष्ट हो लें।

यह माना जायेगा कि निविदाकार को कार्यस्थल के बारे में पूरी जानकारी है, चाहे उसने इसका निरीक्षण किया हो या नहीं, तथा बाद में किसी भ्रूँति या अन्य बातों के लिए कोई अतिरिक्त प्रभार अनुमत्य नहीं होगा। कार्य निष्पादन हेतु सभी प्रकार की सामग्री, औजार एवं संयंत्र, जल, बिजली लाने के साधन, कामगारों के लिए सुविधाएं तथा अन्य अपेक्षित सेवाओं का प्रबन्ध करने तथा उनके रखरखाव का उत्तरदायित्व स्वयं निविदाकार का होगा, जब तक अन्यथा विशेष रूप से करार में इसका उल्लेख न किया गया हो। निविदाकार द्वारा निविदा प्रस्तुत करना यह सूचित करता है कि उसने इस सूचना एवं अन्य सभी करार-दस्तावेजों को पढ़ लिया है तथा उसे किए जाने वाले कार्य का अभिप्राय एवं विनिर्देशों, शर्तों व दरें जिन पर सरकार द्वारा उन्हें सामान, औजार एवं संयंत्र आदि दिए जाएंगे तथा स्थानीय स्थितियां और अन्य कारक जो कार्य में निष्पादन पर प्रभाव डालें, के बारे में पूरी जानकारी है।

9. सक्षम प्राधिकारी, भारत के राष्ट्रपति की ओर से न्यूनतम या किसी अन्य निविदा को स्वीकार करने के लिए अपने आप को आबद्ध नहीं करते हैं और प्राप्त हुई किसी भी निविदा या सभी निविदाओं को बिना कारण बताए अस्वीकार करने का अधिकार अपने पास सुरक्षित रखते हैं। ऐसी सभी निविदाओं को जिनमें विहित शर्तें पूरी नहीं की गई हों अथवा निविदाकार द्वारा सशर्त छूट दिए जाने सहित किसी शर्त को स्वीकार किया हो, अस्वीकार कर दिया जाएगा।

सक्षम प्राधिकारी के पास यह अधिकार भी सुरक्षित है कि वह ऐसे केंद्रीय सरकारी उद्यमों को उद्धृत मूल्य, न्यूनतम मूल्य के 10 प्रतिशत के अंतर्गत होने पर और अन्य बातें समान होने पर न्यूनतम वैध बोली पर सरकारी नियमों के अनुसार अधिमानता दे सकता है।

जो सरकारी उद्यम क्रय अधिमानता का फायदा उठा रहे हैं, वे लागत में बढ़ोतरी आदि होने पर पर्याप्त जुर्माना राशि के लिए उत्तरदायी होंगे।

6. Tenders, which should always be placed in sealed envelope, with the name of work and due date written on the envelope, will be received by the Executive Engineer, Middle Ganga Division -3, C.W.C., Varanasi up to **03:00 P.M. on 21.03.2011** and will be opened by him or his authorised representative in his office on the same day at **03.30 P.M.**
7. The contractor shall be required to deposit an amount equal to **5% of the tendered value of the work as performance guarantee and 5% of the tendered value of the work as security money (total 10%)** in the form of Treasury Challan receipt/Deposit at Call receipt of a scheduled bank/Fixed Deposit receipt of a scheduled bank/Demand Draft of a scheduled bank issued in favour of the Executive Engineer, Middle Ganga Division -3, C.W.C., Varanasi payable at SBI main branch, Varanasi within prescribed number of days of the issue of letter of acceptance. This period can be further extended by the Engineer-in-Charge up to a maximum period of prescribed number of days on written request of the contractor.
8. The description of the work is as follows:

**CONSTRUCTION OF HUTMENT AT GAUGE, DISCHARGE, SILT AND WATER QUALITY SITE, SHAHZADPUR (KAUSHAMBI), U.P.**

Copies of other drawings and documents pertaining to the works will be opened for inspection by the tenderers at the office of the above mentioned officer.

Tenderers are advised to inspect and examine the site and its surroundings and satisfy themselves before submitting their tenders as to the nature of the ground and sub-soil (so far is practicable), the form and nature of the site, the means of access to the site, the accommodation they may require and in general shall themselves obtain all necessary information as to risks, contingencies and other circumstances which may influence or affect their tenders. A tenderer shall be deemed to have full knowledge of the site whether he inspects it or not and no extra charges consequent on any misunderstanding or otherwise shall be allowed. The tenderer shall be responsible for arranging and maintaining at his own cost all materials, tools and plants, water, electricity access, facilities for workers and all other services required for executing the work unless otherwise specifically provided in the contract documents. Submission of a tender by a tenderer implies that he has read this notice and all other contract documents and has made himself aware of the scope and specifications of the work to be done and of conditions and rates at which stores, tools and plant, etc. will be issued to him by Government and local conditions and other factors having a bearing on the execution of the work.

9. The competent authority on behalf of President of India does not bind itself to accept the lowest or any other tender and reserves to itself the authority to reject any or all of the tenders received without the assignment of any reason. All tenders in which any of the prescribed conditions are not fulfilled or any condition including that of conditional rebate is put forth by tenderer shall be summarily rejected.

The competent authority also reserves its right to allow to the Central Government public sector enterprises, a purchase preference with reference to the lowest valid price bid, where the quoted price is within 10% of such lowest price in a tender, other things being equal as per Government rules.

The Public Enterprises who avail benefits of the purchase preference should be subjected to adequate penalties for cost overruns etc.

10. निविदाओं के मामले में किसी भी प्रकार का प्रत्यक्ष या अप्रत्यक्ष प्रेरण का पूर्णतया निषेध है तथा उन टेकेदारों की निविदाएं, जो प्रेरण का सहारा लेंगे, अस्वीकार कर दी जायेंगी।
11. सक्षम प्राधिकारी, भारत के राष्ट्रपति की ओर से पूरी निविदा या उसके किसी भाग को स्वीकार करने का अधिकार अपने पास सुरक्षित रखते हैं तथा निविदाकार, कथित दर पर निष्पादन के लिए बाध्य होगा।
12. टेकेदार को मंडल कार्यालय में, (जो टेके देने और उसके निष्पादन लिए उत्तरदायी है) जिसमें उसका नजदीकी रिश्तेदार मंडल लेखाकार या अधीक्षण इंजीनियर एवं सहायक इंजीनियर/कनिष्ठ इंजीनियर (दोनों को मिलाकर) की श्रेणियों के बीच किसी भी हैसियत के अधिकारी के रूप में तैनात हो, कार्यों के लिए निविदा देने की आज्ञा नहीं होगी। वह उन व्यक्तियों के नामों की भी सूची देगा जो किसी भी हैसियत में उसके साथ कार्य कर रहे हों या जिन्हें उसके द्वारा बाद में भर्ती किया गया हो तथा जो **केंद्रीय जल आयोग या जल संसाधन मंत्रालय, भारत सरकार** में कार्यरत किसी राजपत्रित अधिकारी के नजदीकी रिश्तेदार हों। यदि टेकेदार इस शर्त को भंग करेगा तो उसका नाम इस विभाग की टेकेदारों की अनुमोदित सूची से हटा दिया जाएगा।
13. भारत सरकार के किसी इंजीनियरिंग विभाग में इंजीनियरी या प्रशासनिक कार्यों में लगे हुए राजपत्रित रैंक के किसी इंजीनियर को या किसी अन्य राजपत्रित अधिकारी को सरकारी नौकरी से सेवा मुक्त होने पर दो साल तक, भारत सरकार की पूर्व लिखित अनुमति बिना टेकेदार की हैसियत से काम करने की अनुमति नहीं है। यदि किसी समय यह पाया गया कि टेकेदार या उसका कोई कर्मचारी, ऐसा व्यक्ति है जिसने निविदा प्रस्तुत करने से पहले या टेकेदार की सेवा में लगने से पहले भारत सरकार से अनुमति नहीं ली थी, तो यह टेका रद्द किया जा सकता है।
14. कार्यों के लिए निविदा, निविदाओं के खुलने की तारीख से **60 दिन** तक स्वीकृति हेतु खुली रहेगी। यदि कोई निविदाकार उक्त अवधि के पहले या स्वीकृति पत्र जारी होने के पहले, जो भी पहले हो, से पहले अपनी निविदा वापस ले लेता है या निविदा की शर्तों और निबंधनों में कोई संशोधन करता है, जो विभाग को स्वीकार्य नहीं है, तो सरकार किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना ऊपर किए गए उल्लेख के अनुसार उक्त धरोहर राशि का **50 प्रतिशत** जब्त करने के लिए स्वतंत्र होगी।
15. यह निविदा आमंत्रण सूचना, करार दस्तावेज का एक हिस्सा होगी। सफल निविदाकार/टेकेदार, स्वीकारकर्ता प्राधिकारी द्वारा निविदा स्वीकार किए जाने के बाद कार्य प्रारंभ किए जाने की निर्धारित तिथि से **15 दिनों** के भीतर निम्नलिखित को शामिल करते हुए निविदा पर हस्ताक्षर करेगा:-
  - (i) निविदा आमंत्रण सूचना, अतिरिक्त शर्तों सहित सभी कागजात, विनिर्देश एवं नक्शे, यदि कोई हों, जो निविदा आमंत्रण के समय निविदा के रूप में जारी किए गए हों तथा इस बारे में किए गए किसी पत्राचार सहित इसकी स्वीकृति।
  - (ii) मानक के.लो.नि.वि. प्रपत्र संख्या-7/8

अधिशायी अभियंता  
मध्य गंगा मंडल-3  
वाराणसी

पत्रांक: 5@14@exe&3@okjk0@2010&11@ 1805-10

दिनांक: 11.03.2011

प्रतिलिपि सूचनार्थ :

1. मुख्य अभियंता, ऊपरी गंगा बेसिन संगठन, केंद्रीय जल आयोग, लखनऊ ।
2. अधीक्षण अभियंता, जल विज्ञानीय प्रेक्षण परिमण्डल, केंद्रीय जल आयोग, वाराणसी।
3. निदेशक, साफ्टवेयर मैनेजमेन्ट निदेशालय, केंद्रीय जल आयोग, सेवा भवन, आर.के.पुरम, नई दिल्ली. **110066** को बेबसाइट में प्रकाशनार्थ। यह NIT ई-मेल [smdte@nic.in](mailto:smdte@nic.in) पर भेजा गया।
4. उपमंडल अभियंता, मध्य गंगा यमुना उपमंडल, इलाहाबाद, उ०प्र०।
5. लेखानुभाग, मध्य गंगा मण्डल-3, केंद्रीय जल आयोग, वाराणसी।
6. सूचना पट्ट, मध्य गंगा मण्डल-3, केंद्रीय जल आयोग, वाराणसी।

10. Canvassing whether directly or indirectly, in connection with tenders is strictly prohibited and tenders submitted by the contractors who resort to canvassing will be liable to rejection.
11. The competent authority on behalf of President of India reserves to himself the right of accepting the whole or any part of the tender and the tenderer shall be bound to perform the same at the rate quoted.
12. The contractor shall not be permitted to tender for works in the Division Office (responsible for award and execution of contract) in which his near relative is posted as Divisional Accountant or as an officer in any capacity between the grades of Superintending Engineer and Assistant Engineer/Junior Engineer (both inclusive). He shall also intimate the name of the persons who are working with him in any capacity or are subsequently employed by him and who are near relatives to any Gazetted Officer in the **Central Water Commission or in the Ministry of Water Resources, Govt. of India**. Any breach of this condition by the contractor would render him liable to be removed from the approved list of contractors of this department.
13. No Engineer of gazetted rank or other gazetted officer employed in Engineering or Administrative duties in an Engineering Department of the Government of India is allowed to work as a contractor for a period of two years after his retirement from the Government service, without the previous permission of the Government of India in writing. This contract is liable to be cancelled if either the contractor or any of his employees is found any time to be such a person who had not obtained the permission of the Government of India as aforesaid before submission of the tender or engagement in the contractor's service.
14. The tender for the works shall remain open for acceptance for a period of **sixty days** from the date of opening of the tenders. If any tenderer withdraws his tender before the said period or issues letter of acceptance, whichever is earlier, or makes any modifications in the terms and conditions of the tender which are not acceptable to the department, then the Government shall, without prejudice to any other right or remedy, be at liberty to forfeit **50%** of the said earnest money as aforesaid.
15. This Notice Inviting Tender shall form a part of the contract document. The successful tenderer/contractor, on acceptance of his tender by the Accepting Authority shall, within **15 days** from the stipulated date of start of the work sign the contract consisting of:-
  - (i) The Notice Inviting Tender, all the documents including additional conditions, specifications and drawings, if any, forming the tender as issued at the time of invitation of tender and acceptance thereof together with any correspondence leading thereto.
  - (ii) Standard C.P.W.D. Form – 7/8.

Executive Engineer  
Middle Ganga Division -3  
Central Water Commission  
Varanasi

**Letter No.5/14/ MGD-3 /Varanasi / 2010-11 /1805-10**

**Dated:11.03.2011**

Copy to :-

1. The Chief Engineer, Upper Ganga Basin Organisation, Lucknow
2. The Superintending Engineer, Hydrological Observation Circle, CWC, Varanasi
3. The Director, Software Management Directorate, 618(South), Sewa Bhawan, R.K.Puram, New Delhi-110066 for publishing in the CWC website and also sent through email at [smdte@nic.in](mailto:smdte@nic.in).
4. Sub Divisional Engineer, Middle Ganga Yamuna Sub Division, Allahabad
5. The Accounts Branch, MGD-3, CWC, Varanasi for information.
6. Notice Board, MGD-3, CWC, Varanasi.

भारत सरकार  
केंद्रीय जल आयोग

राज्य	:	उत्तर प्रदेश
संगठन	:	ऊपरी गंगा बेसिन
परिमंडल	:	जलविज्ञानीय प्रेक्षण परिमंडल, वाराणसी
मंडल	:	मध्य गंगा मंडल-3, वाराणसी
उपमंडल	:	मध्य गंगा यमुना उपमंडल, इलाहाबाद

कार्यों के लिए मदद दर निविदा एवं संविदा

- (अ) कार्य का नाम जिसके लिए निविदा है : गेज, निस्सरण, गाद एवं जल गुणवत्ता स्थल शहजादपुर (कौशाम्बी), उत्तर प्रदेश पर हटमेंट का निर्माण कार्य
- (क) दिनांक 21.03.2011 को 15:00 बजे अधिशासी अभियंता, मध्य गंगा मंडल-3, केंद्रीय जल आयोग, वाराणसी के कार्यालय में प्रस्तुत की जानी है।
- (ख) उन निविदाकारों के समक्ष खोली जाएगी जो दिनांक 21.03.2011 को 15:30 बजे अधिशासी अभियंता, मध्य गंगा मंडल-3, केंद्रीय जल आयोग, वाराणसी के कार्यालय में उपस्थित रहेंगे।

सेवा में प्रेषित(टेकेदार).....

कागजात जारी करने वाले अधिकारी का हस्ताक्षर.....

पद : अधिशासी अभियंता, मध्य गंगा मंडल-3, केंद्रीय जल आयोग, वाराणसी ।

जारी करने की तिथि : .....

**GOVERNMENT OF INDIA  
CENTRAL WATER COMMISSION**

STATE : UTTAR PRADESH  
ORGANISATION : UPPER GANGA BASIN  
CIRCLE : HYDROLOGICAL OBSERVATION CIRCLE, VARANASI  
DIVISION : MIDDLE GANGA DIVISION-3, VARANASI  
SUB-DIVISION : MIDDLE GANGA YAMUNA SUB-DIVISION, ALLAHABAD

**ITEM RATE TENDER & CONTRACT FOR WORKS**

(A) TENDER FOR THE WORK OF : **CONSTRUCTION OF HUTMENT AT GAUGE,  
DISCHARGE, SILT AND WATER QUALITY  
SITE, SHAHZADPUR (KAUSHAMBI), U.P.**

- (i) To be submitted by **15:00** hours on **21.03.2011** to the Executive Engineer, Middle Ganga Division-3, Central Water Commission, Varanasi
- (ii) To be opened in presence of tenderer who may be present at **15:30** hours of **21.03.2011** in the office of the Executive Engineer, Middle Ganga Division -3, Central Water Commission, Varanasi

Issued to \_\_\_\_\_  
(CONTRACTOR)

Signature of officer issuing the documents \_\_\_\_\_

Designation: Executive Engineer, Middle Ganga Division -3, Central Water Commission,  
Varanasi

Date of Issue: \_\_\_\_\_

## निविदा

मैंने/हमने कार्य के लिए निविदा आमंत्रण सूचना, अनुसूची-क,ख,ग,घ,ड. और च लागू विनिर्देश, नक्शे एवं डिजाइन, सामान्य नियम एवं निर्देश, टेके के उपबंध, विशिष्ट शर्तें, दर अनुसूची एवं अन्य कागजात तथा टेके की शर्तों में दिए गए नियम तथा निविदा कागजात में उल्लिखित अन्य बातों को पढ़ व जाँच लिया है।

मैं/हम, एतद्वारा भारत के राष्ट्रपति के लिए अनुसूची 'च' में विनिर्दिष्ट समय के अंदर विनिर्दिष्ट कार्य, यथा-मात्राओं की अनुसूची तथा सभी संबंधित विनिर्देशों, डिजाइनों, नक्शों के अनुरूप तथा सामान्य नियमावली के नियम-1 और टेके के शर्तों के खण्ड-11 में उल्लिखित लिखित अनुदेशों एवं ऐसी सामग्रियों, जो प्रदान की जाती है और उसके संबंध में, ऐसी शर्तें जो लागू हों, के अनुरूप निष्पादन हेतु निविदा देता हूँ/देते हैं।

हम निविदा को, इसके प्रस्तुत किए जाने की तारीख से 60 दिनों के लिए खुला रखने तथा इसकी शर्तों एवं निबंधनों में किसी प्रकार का परिवर्तन न करने के लिए सहमत हैं।

बयाना राशि रु० 19750/- (रुपया उन्नीस हजार सात सौ पच्चास मात्र) ट्रेजरी चालान रसीद/अनुसूचित बैंक की मांग जमा रसीद/अनुसूचित बैंक की सावधि जमा रसीद/अनुसूचित बैंक के डिमाण्ड ड्राफ्ट के रूप में टेण्डर के साथ संलग्न है। यदि मैं/हम निर्धारित निष्पादन गारंटी को निर्धारित समय अवधि में प्रस्तुत करने में असफल रहते हैं तो मैं/हम यह मंजूर करते हैं कि भारत के उक्त राष्ट्रपति या उनके कार्यालय के उत्तराधिकारी किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि जब्त करने के लिए पूर्णतया स्वतंत्र होंगे। इसके अलावा, यदि मैं/हम विनिर्दिष्ट कार्य प्रारंभ करने में असफल रहते हैं, तो मैं/हम यह मंजूर करते हैं कि भारत के राष्ट्रपति या उनके कार्यालय के उत्तराधिकारी कानून में उपलब्ध किसी अन्य अधिकार या उपचारी उपाय पर प्रतिकूल प्रभाव डाले बिना उक्त धरोहर राशि, तथा निष्पादन गारंटी जब्त करने के लिए पूर्णतया स्वतंत्र होंगे अन्यथा उक्त धरोहर राशि निविदा कागजात के अनुसार उसमें निहित शर्तों व निबंधनों के अनुसार कार्यों के निष्पादन एवं आदिष्ट विचलनों को अनुसूची 'च' में वर्णित प्रतिशत से अनधिक व निविदा प्रपत्र के खंडों 12.2 व 12.3 में निहित प्रावधानों के अनुसार निश्चित की जाने वाली दरों पर उक्त सीमा से अधिक के विचलनों के करने के लिए उनके द्वारा प्रतिभूति निक्षेप के रूप में रोक ली जाएगी।

मैं/हम एतद्वारा घोषणा करते हैं कि मैं/हम निविदा कागजातों, नक्शों और कार्य से संबंधित अन्य अभिलेखों को गुप्त/गोपनीय कागजात के रूप में रखेंगे और उनसे प्राप्त/ली गई जानकारी किसी अन्य को, जिन्हें मैं/हम सूचित करने के लिए प्राधिकृत हो, से भिन्न किसी को, नहीं बताएंगे या जानकारी को किसी ऐसे रूप में प्रयोग नहीं करेंगे जो राज्य की सुरक्षा के लिए प्रतिकूल हो।

तारीख.....

टेकेदार के हस्ताक्षर.....

डाक पता

साक्षी

पता

उपजीविका

## TENDER

I/We have read and examined the Notice Inviting Tender, schedule `A', `B', `C', `D', `E' & `F', Specifications applicable, Drawings and Designs, General Rules and Directions, Conditions of Contract, Clauses of Contract, Special conditions, Schedule of rate and other documents and rules referred to in the conditions of contract of and all other contents in the tender document for the work.

I/We hereby tender for the execution of the work specified for the President of India within the time specified in schedule `F', viz. Schedule of quantities and in accordance in all respects with the specifications, designs, drawings and instructions in writing referred to in Rule – 1 of General Rules and Directions and in clause 11 of the conditions of contract and with such materials as are provided for, by, and in respects in accordance with, such conditions so far as applicable.

I/We agree to keep the tender open for **60 days** from the due date of submission thereof and not to make any modifications in its terms and conditions.

**A sum of Rs. Rs.19,750/- (nineteen thousand seven hundred fiftyonly) is hereby enclosed with the tender in the shape of TC/DD/FDR/TDR of a scheduled bank duly pledged in favour of the Executive Engineer, Middle Ganga Division-3, Central Water Commission, Varanasi as earnest money.** If I/We fail to furnish the prescribed performance guarantee within the prescribed period, I/We agree that the said President of India or his successors in office shall without prejudice to any other right or remedy, be at liberty to forfeit the said earnest money absolutely. Further, if I/We fail to commence work as specified, I/We agree that President of India or his successors in office shall without prejudice to any other right or remedy available in law, be at liberty to forfeit the said earnest money and the performance guarantee absolutely otherwise the said earnest money shall be retained by him towards security deposit to execute all the works referred to in the tender documents upon the terms and conditions contained or referred to therein and to carry out such deviations as may be ordered, up to maximum of the percentage mentioned in the schedule `F' and those in excess of that limit at the rates to be determined in accordance with the provision contained in clause 12.2 & 12.3 of the tender form.

I/We hereby declare that I/We shall treat the tender documents, drawings and other records connected with the work as secret/confidential documents and shall not communicate information derived there from to any person to whom I/We may authorise to communicate the same or use the information in any manner prejudicial to the safety of the State.

Dated .....

Witness :

Signature of Contractor

Address :

Occupation :

Postal Address

## स्वीकृति

मैं भारत के राष्ट्रपति की ओर से तथा उनके लिए रु०.....(रुपया.....

.....की राशि के लिए उपर्युक्त निविदा(अधोलिखित पत्रों के अनुसार परिवर्तित) स्वीकार करता हूँ।  
नीचे दिए गए पत्र इस टेका करार का हिस्सा होंगे।

(क) निविदा आमंत्रण सूचना

(ख) निविदा संख्या एवं दिनांक

(ग) हस्ताक्षर युक्त खण्डवार करार (निहित शर्त एवं निबंधन)

(घ) अनुसूची 'क' और 'च'

भारत के राष्ट्रपति की ओर से तथा उनके लिए

हस्ताक्षर.....

तारीख.....

पदनाम.....

**ACCEPTANCE**

The above tender (as modified by you as provided in the letters mentioned hereunder) is accepted by me for and on behalf of the President of India for a sum of Rs. \_\_\_\_\_  
(Rupees \_\_\_\_\_ )

The letters referred to below shall form part of this contract agreement:-

- i) Notice Inviting Tender
- ii) Your tender No. & date
- iii) Clauses of contract duly signed.
- iv) Schedule 'A' to Schedule 'F'

For & on behalf of the President of India

Signature :-

Date : \_\_\_\_\_

Designation :-

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## **GENERAL RULES AND DIRECTIONS**

- 1) In the Item Rate tenders, only rates quoted shall be considered. Any tender containing percentage below/above the rates quoted is liable to be rejected. Rates quoted by the contractor in item rate tender in figures and words shall be accurately filled in so that there is no discrepancy in the rates written in figures and words. However, if a discrepancy is found, the rates which correspond with the amount worked out by the contractor shall unless otherwise provided be taken as correct. If the amount of item is not worked out by the contractor or it does not correspond with the rates written either in figures or in words, then the rates quoted by the contractor in words shall be taken as correct. Where the rates quoted by the contractor in figures and in words tally but the amount is not worked out correctly, the rates quoted by the contractor will unless otherwise provided be taken as correct and not the amount.
- 2) Sales-tax, purchase tax, turnover tax or any other tax on materials in respect of this contract shall be payable by the contractor and Government will not intertain any claim whatsoever in respect of the same.
- 3) Income tax as per Government rules will be deducted from each bills to be paid to the contractor.
- 4) The contractor must quote the IT PAN and tax registration number correctly in the tender form.
- 5) After completion of works, pre receipted bill in triplicate must be sent in this office. Amount must be written in figures as well as in words in the bill. Payment will be made through crossed cheque of SBI, Varanasi.
- 6) Unless otherwise provided in the Scheduled of Quantities the rates tendered by the contractor shall be all inclusive and apply to all heights, lifts, leads and depths of the building and nothing extra shall be payable to him on this account. Payment for cantering, shuttering, however if required to be done for heights greater than 3.5 m shall be admissible at rates arrived at in accordance with clause-12 of the agreement if not already specified.
- 7) The contractor shall make his own arrangements for obtaining electricity if required and make necessary payments directly to the department concerned.
- 8) Other agencies doing works related with this project will also simultaneously execute the works and the contractor shall afford necessary facilities for the same. The contractor shall leave such necessary holes, openings etc. for laying/burying in the work of pipes, cables, conduits, clamps, boxes and hooks for fan clamps etc. as may be required for other agencies, conduit for electrical wiring/cables will be laid in a way that they leave enough space for concreting and do not adversely affect the structural members. Nothing extra over the agreement rates shall be paid for the same.
- 9) Some restrictions may be imposed by the security staff etc. on the working and movement of labour, materials etc., shall be bound to follow all such restrictions/instructions and nothing extra shall be payable on this account.
- 10) (a) The building work will be carried out in the manner complying in all respects with the requirements of relevant Bye-laws of the local body under the jurisdiction of which the work is to be executed or as directed by the Engineer-in-charge and nothing extra will be paid on this account.  
  
(b) The work of water supply, internal sanitary installations and drainage work etc. shall be carried out as per local Municipal Corporation or such local body Bye-laws and the contractor shall produce necessary completion certificate from such authorities after completion of the work.  
  
(c) Water tanks, taps, sanitary, water supply and drainage pipes fittings and accessories should conform to bye-laws and specifications of the municipal body / corporations where CPWD specifications are not available. The contractor should engage licensed plumbers for

the work and get materials (fixtures / fittings) tested by the Municipal Body / Corporation authorities wherever required at his own cost.

- 11) The contractor shall comply with proper and legal orders and directions of the local or public authority or municipality and abide by their rules and regulations and pay all fees and charges, which may be liable.
- 12) Any cement slurry added over surface (or) for continuation of concreting for better bond is deemed to have been in built in the items and nothing extra should be payable (or) extra cement considered in consumption on this account.

**13) Testing of Materials :**

Samples of various materials required for testing shall be provided free of charge by the contractor. Testing charges, if any, unless otherwise provided, shall be borne by the Department. All other expenditure required to be incurred for taking the samples; conveyance, packing etc. shall be borne by the contractor himself.

- 14) The structural and architectural drawings shall at all times be properly correlated before executing any work. However, in case of any discrepancy in the item given in the schedule of quantities appended with the tender and architectural drawings relating to the relevant item, the former shall prevail unless and otherwise given in writing by the Engineer-in-charge.
- 15) The contractor shall bear all incidental charges for carriage, storage, and safe custody of the materials.

- 16) (a) For the purpose of recording measurements and preparing running account bills, the abbreviated nomenclature indicated in the publications 'Abbreviated nomenclature of item of DSR 2007 (bilingual)' shall be accepted. The abbreviated nomenclature shall be taken to cover all the materials and operations as per the complete nomenclature of the relevant items in the agreement and other relevant specifications.

(b) In the case of items for which abbreviated nomenclature is not available in the above cited publication and also in case of extra and substituted items of works for which abbreviated nomenclature is not provided in the agreement the full nomenclature of items shall be reproduced in the measurement books and bill forms for running account bill. The full nomenclature of the items shall be adopted in preparing abstract of final bill from in the measurement book and also in the bill form for final bill.

**17) Use of Proper Cover Blocks :-**

The main cause of corrosion of reinforcement in concrete is inadequate cover available to the reinforcement bars. To avoid displacement of bars in any direction and to ensure proper cover, only factory made round type cover blocks should be used.

**18) Storage of Steel Bars :-**

It is seen that in many cases the reinforcement bars are placed directly on the ground. In rainy season, due to lack of drainage, the water accumulated causing considerable corrosion of steel. To avoid this, the steel bars should be stored about 30 to 40 cm. above ground. A coat of cement wash should be given to steel bars, which are likely to be stored for a long time. In places where rainfall is heavy, steel bars may be stored in protective environment to reduce corrosion.

- 19) The use of weight batcher with provision for automatic water dozer is compulsory. The agency must supply the details of weight batcher with capacities at the time of tendering itself.
- 20) Only steel shuttering shall be permitted.

## ADDITIONAL SPECIFICATION

### 1. **General :-**

- 1.1 The work shall be executed and measured as per metric dimensions given in the schedule of quantities, drawings etc. (F.P.S. units wherever indicated are for guidance only).
- 1.2 The following modifications to the above specifications and some additional specifications shall however apply
  - (i) All stone aggregate and stone ballast shall be of hard stone variety to be obtained from approved quarries or any other source to be got approved by the Engineer-in-charge.
  - (ii) Sand to be used for cement concrete work, mortar for masonry and plaster work shall be standard quality. Sand shall be obtained from other sources to be got approved from the Engineer-in-charge and screened as required. The same shall consist of hard siliceous material. It shall be cleaned sand.
  - (iii) Brick to be used in the work shall be obtained from the local kilns. The sample of the brick shall be got approved by the Engineer-in-charge before the mass quantity is brought to the site and shall be of size of 22.90 cm X 11.40 cm X 7.0 cm nominal size as mentioned in CPWD specification, 1996 with up to date correction slips issued. The brick work, the unit of which is mentioned as cubic metre which includes abbreviated forms of cum or m, shall be considered to have thickness of multiple of 125 mm for the sake of calculation of volumetric content.
2. Wherever any reference to any Indian Standard Specification occurs in the documents relating to this contract the same shall be inclusive of all amendments issued there to or revisions thereof if, any, up to the date of receipt of tenders.
3. Unless otherwise specified in the Schedule of Quantities the rates for all items of the work shall be considered as inclusive of pumping out or bailing out water if required for which no extra payment will be made. This will include water encountered from any source, such as rains, floods, and sub-soil water table being high due to any other cause whatsoever.

### 4. **R.C.C. Works :-**

- 4.1 In respect of projected balconies, projected slabs at roof level and projected veranda, the payment for the RCC work shall be made under the item of RCC slabs. The payment for centring and shuttering of such items shall be similarly be paid under the item of centring of RCC slab. Nothing extra shall be paid for the side shuttering of the edges of these projected balconies and projected verandahs. All the exposed edges shall however, be finished as per specifications and nothing extra shall be paid for this.
- 4.2 Form work shall be of steel as approved by the Engineer-in-charge and as per CPWD specification, 1996 with up to date correction slips and specification of works.
- 4.3 Contractor must use the standard Design Mix for R.C.C. Work.

### 5. **Flooring :-**

The rate of items of flooring is inclusive of providing sunken flooring in bathrooms, kitchen etc. and nothing extra on this account is admissible.

### 6. **Wood Work :-**

The sample of species of timber to be used shall be deposited by the contractor with EE before commencement of the work. The contractor shall produce cash vouchers and certificates from standard kiln seasoning plant operator about the timber section to be used on the work having been kiln seasoned by them, failing which it would not be so accepted as kiln seasoned.

- 6.1 Factory made shutters as specified shall be obtained from factories to be approved by the Engineer-in-charge and shall confirm to BIS. The contractor shall inform well in advance to the Engineer-in-charge the names and addresses of the factory where from the contractor intends to get the shutters manufactured. The contractor will place order for manufacture of shutters only after written approval of the Engineer-in-charge in this regard is given. The contractor is bound to abide the decision of the Engineer-in-charge and recommend a name of another factory from the approved list in case the factory already proposed by the contractor is not found competent to manufacture quality shutters. Shutter will however, be accepted only if they meet the specified tests.
- 6.2 35 mm thick flush door shutters non decorative type care of black board construction with frame of first class hard wood and well matched commercial 3-prly veneering with vertical grain or cross bonds and face veneers on both faces of shutters.

The contractor will also arrange stage-wise inspection of the shutters at factory of the Engineer-in-charge or his authorised representative. Contractor will have no claim if the shutters brought at site are rejected by Engineer-in-charge in part or in full lot due to bad workmanship/quality. Such shutters will not be measured and paid and the contractor shall remove the same from the site of work within 7 days after the written instructions in this regard are issued by Engineer-in-charge or his authorised representative.

## **7. Steel Works :-**

7.1 The rate of Tee / angle iron frame shall include the following :-

- (a) M.S. sill/tie of 16 mm dia bar welded to T-iron frames to keep the frames vertical in correct position. The sill/tie shall be embedded in floor concrete. No tie is necessary for window frames.
- (b) Each T-iron frame for doors shall have 4 Nos. MS. Logs 15 x 3 mm, 10 cms long welded to each vertical member of the frame.
- (c) M.S. plate 8 x 25 mm, 100 mm long having threaded holes (No. of flats shall correspond to the No. of butt hinges to be fixed to door / window shutter) shall be welded at appropriate places at the back of the T-iron frames for fixing the required butt hinge to the frame with machine screws M.S. flats 8 x 25 mm, 50 mm long with threaded holes, shall be welded to the back of the T-sections to receive the butt hinges for the cleats.

7.2 The M.S. plate clamps 15 x 6 mm thick for holding arrangements is to be provided and added as per site conditions. The rate is inclusive of the cost of such clamps.

## **8. Water Supply & Sanitary Installation :-**

- 3.1 The SCI pipe and CI pipe wherever necessary shall be fixed to RCC columns, beams etc. with rawl plugs and nothing extra shall be paid for this.
- 3.2 The contractor shall be responsible of the protection of the sanitary and water supply fittings and other fittings and fixtures against pilferage and breakage during the period of installation and thereafter until the building is handed over.

## **9. Variation Consumption of Materials :-**

The variation in consumption of material shall be governed as per CPWD specification and clauses of the contract to the extent applicable following specific clauses shall govern the variation in consumption of pig lead.

## **10. Variation in Consumption of Pig Lead :-**

- 10.1 The pig lead for caulking of joints of SCI pipes shall be issued as per theoretical consumption for

SCI pipes of size 100 mm, 75 mm, 55 mm of 0.98 kg, 0.88 kg and 0.77 kg per joint respectively. Over and above the theoretical quantities of lead as marked out, variation of 5% shall be allowed for wastage etc. Any difference between the actual consumption of pig lead and theoretical consumption worked out on the above basis including the authorised variation shall be recovered at double the issue rate. Where the pig lead is arranged by the contractor, variation 5% will be allowed. In case variation is on lower side, the quantity of pig lead used less shall be recovered from the contractor at market rate to the determined by Engineer-in-charge whose decision in the matter will be final.

- 10.2 The theoretical quantity of cement to be utilised in item of concrete involving use of shingle aggregate and missed by volume batching shall be computed on the basis of the co-efficient for cement to be used in different items of the work provided in the DSR reducing each of the co-efficient by 5%. However, here the concrete is mixed by weight batching no such reduction shall be made from theoretical co-efficient given in for concrete with crushed stone aggregate.

#### 11. Conditions :-

- 11.1 The contractor will have to work according to the programmed work, decided by the Engineer-in-charge. The contractor shall also construct a sample unit complete in all respects within time specified by the Engineer-in-charge and this sample unit shall be got approved from the Engineer-in-charge before mass construction is taken up. No extra claim whatsoever beyond the payments due at agreement rates will be entertained from the contractor on this account.
- 11.2 The contractor shall take instructions from the Engineer-in-charge for stacking of materials in any place. No excavated earth or building material shall be stacked on areas where other buildings, roads, services of compound walls are to be constructed.
- 11.3 If as per Municipal rules the huts for labour are not to be erected at the site of work by the contractors, the contractors are required to provide such accommodation as is acceptable to local bodies and nothing extra shall be paid on this account.

#### 12. Conditions for Issue of Materials :-

- 12.1 The materials will be issued to the contractor at the place of delivery as mentioned in the schedule of materials during the working hours as per rules of CPWD stores as in force time to time. If these are delivered at any other site, the difference an account of less/more cartage will be adjusted accordingly. The contractor shall have to cart the materials to the site of work at his cost as soon as these are issued.
- 12.2 The materials like reinforcing bars, flats, tees, angles, sheets, CI and SCI pipes etc. contemplated to be issued will be issued in available sizes and lengths and the contractor shall bear the cost of cutting and shaping them according to the requirement of work. No claim for the wastage on this account shall be entertained.
- 12.3 Cement bags shall be stored in separate godowns to be constructed by contractor at his own cost as per sketch (which is only indicative and actual size will depend on the site requirements). Each go down shall be provided with a single door with two locks. The keys of one lock shall remain with CPWD Engineer-in-charge of work and that of other lock with the authorised agent of the contractor at the site of work so that the cement is removed from the go down according to the daily requirement with the knowledge of both the parties and proper account maintained in standard proforma.
- 12.4 The contractor shall be fully responsible for the safe custody of materials issued to him even if the materials are under double lock system.
- 12.5 The contractor shall bear all incidental charges for cartage, storage and safe custody of materials issued by department and shall construct suitable godowns, yard at site of work for storing all

other materials so as to be safe against damage by sun, rain, damages, fire, theft etc. at his own cost and also employ necessary watch and ward establishment for the purpose at his own cost. Materials to be charged directly to work and stipulated for issue of cost shall also be issued to contractor as soon as they are received at site or at the stipulated place of issue the provision of this clause will equally and fully be applicable to these items as well.

- 12.6 The standard sectional weights referred to as standard table in Para 5 .3.3 in CPWD specifications for works 1996 with up to date correction slips to be considered for conversion of length of various size of M.S. bars/twisted bars/TMT bars in to weight are as under :-

Size (Dia. in mm)	Weight (in Kg/M)
6	0.222
8	0.395
10	0.617
12	0.888
16	1.58
18	2.00
20	2.47
22	2.98
25	3.85
28	4.83
32	6.31
36	7.99
40	9.85
45	12.50
50	15.42

Issue of steel of diameters above 10 mm will be regulated on sectional weight basis, weight being calculated with the help of the above tables. However for bars M.S./cold twisted bars/TMT bars up to and including 10 mm the following procedure shall be adopted.

The average sectional weight for each diameter shall be arrived at from samples from each lot of steel received at site. The actual weight of steel issued shall be modified to take into account the variation between the actual and standard co-efficient given above and the contractor's accounts will be debited by the cost of modified quantity only. The discretion of the Engineer-in-charge shall be final for the procedure to be followed for determining the average sectional weight of each lot. Quantity of each diameter of steel received at site of work each day will constitute one single lot for this purpose.

- 12.7 All materials obtained from approved stores or otherwise will be got checked by the Junior Engineer-in-charge of the work on receipt of the same at site before use.
- 12.8 Royalty at the prevalent rates shall have to be paid by the contractor on all the boulders, metals, shingle, sand and bajri etc. collected by him for the execution of the work, direct to the Revenue Authority or Authorised Agent of the State Government concerned or Central Government.
- 12.9 For all kind of RCC works only OPC /PPC shall be allowed to be used.
- 12.10 Cement to be supplied would be OPC or PPC as is available only. No special cement like white cement etc. shall be supplied. Cement issued will be for consumption at site. No cement will be issued for factory made items and those not manufactured at site.
- 12.11 Steel reinforcement bars to be supplied would be for RCC works only and not for other miscellaneous items, which would be arranged by the contractor.

### 13. Testing of Materials :-

- (a) The contractor shall produce all the materials in advance so that there is sufficient time for testing and approving of the material and clearance of the same before use in work.

- (b) With a view to avoid controversy about quality of cement concrete as revealed in the test results of 7 days cubes falling short of the prescribed standards by over 10% to 20% and pending testing of balance cubes for 28 days as final confirmatory acceptance test, crushed samples of cement concrete from the failed 7 days cubes should be preserved in a sealed bag.
- (c) In case of concrete and reinforced concrete work, the contractor shall be required to make arrangement for carrying out compression strength tests at his own costs. He shall render all assistance for preparation of cubes, safe custody of the same proper curing and carriage up to the laboratory where the test is to be performed. The cube tests can be performed at any laboratory approved by the Engineer-in-charge.

14. Integral Water Proof Finishing :-

- 14.1 The contractor must associate himself with the specialised firm to be approved by the Engineer-in-charge in writing for integral cement based water proofing treatment for sunken floors and on roofs. 10 years guarantee in prescribed proforma attached must be given by the specialised firm, which shall be countersigned by the contractor in taken for his overall responsibility. In addition 10% (ten percent) of the cost of these items would be retained as guarantee to watch the performance of the work done. However half of this amount (withheld) would be released after five years if the performance of the work done is satisfactory. If any defect is noticed during the guarantee period, it should be rectified by the contractor within seven days and if not attended to the same will be got done by another agency at the risk and cost of the contractor. However this security deposit can be released in full, if bank guarantee of equivalent amount for 10 years is produced and deposited with the Department. While tendering the contractor must give:-
- (a) The name of the specialised firm.
  - (b) The trade names of the product, which would be used.

**GUARANTEE TO BE EXECUTED BY CONTRACTORS FOR REMOVAL OF DEFECT  
AFTER COMPLETION IN RESPECT OR WATER PROOFING WORKS**

This is agreement made this \_\_\_\_\_ day of \_\_\_\_\_ two thousand \_\_\_\_\_ between \_\_\_\_\_ (hereinafter called the Guarantor of the one part) and the President of India (hereinafter called the government of the other part).

Whereas this agreement is supplementary to a contract (hereinafter called the contract) dated \_\_\_\_\_ and made between the guarantor of the one part and the Government on the other part where by the contractor interalia, undertook to render the building and structures in the said contract rectified completely water and leak proof.

And where the Guarantor agreed to give guarantee to effect that the said structures will remain water and leak proof for ten years from the date of giving of water proofing treatment.

Now the Guarantor hereby guarantees that water proofing treatment given by him will render the structure completely leak proof and the minimum life of such water proofing treatment shall be ten years to be reckoned from the date of after the maintenance period prescribed in the contract.

Provided that the guarantor will not be responsible for leakage caused by earthquake of structural defects or misuse of roof or alteration and for such purpose.

- (a) Misuse of roof shall mean any operation, which will damage water proofing treatment like chapping of firewood and things of the same nature which might cause damage to the roof.
- (b) Alteration shall mean construction of an additional storey or a part of the roof or construction adjoining to existing roof whereby water proofing treatment is removed in part.
- (c) The decision of the Engineer-in-charge with regard to cause of leakage shall be final.

During this period of guarantee the guarantor shall make good all defects and in case of any defect being found render the building water proof to the satisfaction of the Engineer-in-charge at his cost and shall commence the work for such rectification within seven days from the date of issue of the notice from the Engineer-in-charge calling upon him to rectify. The defects failing which the work shall be got done by the Department by some other contractor at the Guarantor's cost and risk. The decision of the Engineer-in-charge as to the cost payable by the guarantor shall be final and binding.

That if the guarantor fails to execute the water proofing or commits break there under then the guarantor will indemnify the principal and his successors against all loss, damage, cost, expenses or otherwise which may be incurred by him by reason of any default on the part of the Guarantor in performance and observance of this supplementary agreement. As to amount of loss and / or damage and / or cost incurred by the Govt, the decision of the Engineer-in-charge will be final and bringing on the parties.

In witness whereof these persons have been executed by the Obligor \_\_\_\_\_ and by \_\_\_\_\_ and for and on behalf of the President of India on the day, month and year first above written.

Signed, sealed and delivered by Obligor in the presence of

- 1.
- 2.

Signed for and on behalf of the President of India by \_\_\_\_\_ the presence of

- 1.
- 2.

## **ADDITIONAL CONDITIONS WHERE DEPARTMENTAL ISSUE OF CEMENT AND STEEL IS NOT STIPULATED**

- 1) The contractor shall at his own expense, procure and provide all materials including cement and steel required for the work.
- 2) The contractor shall procure all the materials in advance so that there is sufficient time for testing and approving of the materials and clearance of the same before use in work.
- 3) All materials brought by the contractor for use in work shall be got checked from the Engineer-in-charge or his authorised representative of the work on receipt of the same at site before use.
- 4) The contractor shall also employ necessary watch and ward establishment for the safe custody of materials at his own cost.
- 5) **CONDITIONS FOR CEMENT :**
  - 5.1 The contractor shall procure 33 grade / 43 grade /53 grade Ordinary Portland Cement(OPC) or Portland Pozzalana Cement (PPC) as per BIS as required in the work, from reputed manufacturers of cement, having a production-capacity of one million tonnes per annum or more, such as A.C.C., L&T, J.P. Riwa, Vikram, Shri Cement, Birla,JK etc. as approved by Ministry of Industry, Government of India, and holding licence to use ISI certification mark for their product whose name shall be got approved from Engineer-in-charge. Supply of cement shall be taken as 50 kg. Bags bearing manufacture's name and ISI marking. Samples of cement arranged by the contractor shall be taken by the Engineer-in-charge and got tested in accordance with provisions of relevant BIS codes. In case test results indicate that the cement arranged by the contractor does not conform to the relevant BIS codes, the same shall stand rejected and shall be removed from the site by the contractor at his own cost within a week's time of written order from the Engineer-in-charge to do so.
  - 5.2 The cement go-down of the capacity to store a minimum of 2000 bags of cement shall be constructed by the contractor at site of work for which no extra payment shall be made Double lock provision shall be made to the door of the cement go down. The keys of one lock shall remain with the Engineer-in-charge or his authorised representative and the key of the other lock shall remain with the contractor. The contractor shall be responsible for the watch and ward and safety of the cement go down. The contractor shall facilitate the inspection of the cement go down by the Engineer-in-charge at any time.
  - 5.3 The contractor shall supply free of charge the cement required for testing. The cost of tests shall be borne by the contractor / Department in the manner indicated below :-
    - (i) By the contractor, if the results show that the cement does not conform to relevant BIS codes.
    - (ii) By the Department, if the results show that the cement conforms to relevant BIS.
  - 5.4 The actual issue and consumption of cement on work shall be regulated and proper accounts maintained as provided in Clause 10 of the contract. The theoretical consumption of cement shall be worked out as per procedure prescribed in Clause 42 of the contract and shall be governed by conditions laid therein.
  - 5.5 Cement brought to site and cement remaining unused after completion of work shall not be removed from site without written permission of the Engineer-in-charge.

## 6) CONDITIONS FOR STEEL :-

- 6.1 The contractor shall procure steel reinforcement bars conforming to relevant BIS codes from main producers as approved by the Ministry of Steel and secondary producers or re-rollers having valid BIS licence. For TMT bars conforming to relevant BIS code, procurement shall be made from main producers and secondary producers having valid BIS licence. The contractor shall have to obtain and furnish test certificates to the Engineer-in-charge. In respect of all supplies of steel brought by him to the site of work. Samples shall also be taken and got tested by the Engineer-in-charge as per the provisions in this regard in relevant BIS codes. In case the test results indicate that the steel arranged by the contractor does not conform to BIS codes, the same shall stand rejected and shall be removed from the site of work by the contractor at his cost within a week's time from written orders from the Engineer-in-charge to do so.
- 6.2 The steel reinforcement shall be brought to the site as per quantity given in the schedule of quantities.
- 6.3 The steel reinforcement shall be stored by the contractor site of work in such a way as to prevent distortion and corrosion and nothing extra shall be paid on this account. Bars of different sizes and lengths shall be stored separately to facilitate easy counting and checking.

- 6.4 For checking nominal masses, tensile strength, bend test, re-bend test etc. specimen of sufficient length shall be cut from each size of the bar at random at frequency not less than that specified below :-

Size of bar	For consignment below 100 tonnes	For consignment over 100 tonnes
Under 10 mm dia	One sample for each 25 tonnes or part thereof	One sample for each 40 tonnes or part thereof
10 mm to 16 mm dia	One sample for each 35 tonnes or part thereof	One sample for each 45 tonnes or part thereof
Over 16 mm dia	One sample for each 45 tonnes or part thereof	One sample for each 50 tonnes or part thereof

- 6.5 The contractor shall supply free of charge the steel required for testing. The cost of tests shall be borne by the contractor/Department in the manner indicated below :-
- (i) By the contractor, if the results show that the steel does not conform to relevant BIS codes.
  - (ii) By the Department, if the results show that the steel conforms to relevant BIS codes.
- 6.6 The actual issue and consumption of steel on work shall be regulated and proper accounts maintained as provided in clause 10 of the contract. The theoretical consumption of steel shall be worked out as per procedure prescribed to Clause 42 of the contract and shall be governed by conditions laid therein.
- 6.7 Steel brought to site and steel remaining unused shall not be removed from site without the written permission of the Engineer-in-charge.

## PERFORMANCE GUARANTEE (CLAUSE- 1)

- (I) The contractor shall submit on irrecoverable PERFORMANCE GUARANTEE of 5% (Five percent) of the tendered amount in addition to other deposits mentioned elsewhere in the contract for his proper performance of the contract agreement, (notwithstanding and/or without prejudice to any other provisions in the contract) within 15 days of issue of letter of intent. This period can be further extended by the Engineer-in-charge up to a maximum period of 7 days on written request of the contractor stating the reason for delays in procuring the Bank Guarantee, to the satisfaction of the Engineer-in-charge. This guarantee shall be in the form of Cash (in case guarantee amount is less than Rs.10,000/-) or Deposit at Call Receipt of any Scheduled Bank / Banker's Cheque of any Scheduled Bank / Demand Draft of any Scheduled Bank / Pay Order of any Scheduled Bank ( in case guarantee, amount is less than Rs.1,00,000/-) or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank or the State Bank of India in accordance with the form annexed hereto. In case a fixed deposit receipt of only Bank is furnished by the contractor to the Government as part of the performance guarantee and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Government to make good the deficit.
- (II) A letter of intent shall be issued in the first instance informing the successful tendered of the decision of the competent authority to accept his tender and the award letter shall be issued only after the Performance Guarantee in any of the prescribed form is received. In case of failure by the contractor to furnish the performance guarantee within the specified period, Government shall without prejudice to only other right or remedy available in law is at liberty to forfeit the earnest money absolutely.
- (III) The Performance Guarantee shall be initially valid up to the stipulated date of completion plus 60 days beyond that. In case the time for completion of work gets enlarged, the contractor shall get the validity of Performance Guarantee extended to cover such enlarged time for completion of work. After recording of the completion certificate for the work by the competent authority, the performance guarantee shall be returned to the contractor, without any interest.
- (IV) The Engineer-in-charge shall not make a claim under the performance guarantee except for amounts to which the President of India is entitled under the contract (notwithstanding and / or without prejudice to only other provisions in the contract agreement) in the event of :-
- (a) Failure by the contractor to extend the validity of the Performance Guarantee as described herein above, in which event the Engineer-in-charge may claim the full amount of the Performance Guarantee.
  - (b) Failure by the contractor to pay President of India any amount due, either as agreed by the contractor or determined under any of the Clauses / Conditions of the Agreement, within 30 days of the service of notice to this effect by Engineer-in-charge.
- (V) In the event of the contract being determined or rescinded provisions of any of the clause / condition of the agreement, the Performance Guarantee shall stand forfeited in full and shall be absolutely at the disposal of the President of India.

## FORM OF PERFORMANCE SECURITY BANK GUARANTEE BOND

1. In consideration of the President of India (hereinafter called "The government") having agreed under the terms and conditions of Agreement No. .... dated ..... made between ..... and ..... [Hereinafter called "the said contractor(s)\*] ..... For the work ..... (Hereinafter called "the said agreement") having agreed to production of a irrevocable Bank Guarantee for Rs. (Rupees ..... Only) as a security / guarantee from the contractor(s) for compliance of his obligations in accordance with the terms and conditions in the said agreement.  
We ..... (Indicate the name of the Bank) (Hereinafter referred to as "the Bank") hereby undertake to pay to the government on amount not exceeding Rs. .... (Rupees ..... only) on demand by the Government.
  
2. We ..... (indicate the name of the Bank) do hereby undertake to pay the amounts due and payable under this Guarantee without any demure, merely on a demand from the government stating that the amount claimed is required to meet the recoveries due or likely to be due from the said contractor(s). Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs. .... (Rupees ..... only).
  
4. We, the said Bank further undertake to pay to the Govt. any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding pending before any Court or Tribunal relating thereto, our liability under this present being absolute and unequivocal.

The payment so made by us under this Bond shall be valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

5. We ..... (indicate the name of Bank) further agree that the guarantee herein contained shall remain in full force and a fact during the period that would be taken for the performance of the said agreement and that it shall continue to be enforceable till all the dues of the Govt. under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Engineer-in-charge on behalf of the Govt. certified that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.

6. We ..... (indicate the name of Bank) further agree with the Government that the Government shall have the fullest liberty without our consent and without effecting in any manner our obligations hereunder to vary only of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) from time to time or postpone for any time or from time to time any of the powers exercisable by the Govt. against the said contractor(s) and to for – bear or enforce any of the terms and conditions relating to the said agreement and we shall not be relieved from our liability by reason of any such variation, or extension being granted to the said contractor(s) or for any forbearance, act of omission on the part of the Govt. or any indulgence by the Govt. to the said Contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.
  
7. This guarantee will not be discharged due to the change in the Constitution of the Bank or the contractor(s).
  
8. We ..... (Indicate the name of Bank) lastly undertake not to revoke this guarantee except with the previous consent of the Govt. in writing.
  
9. This guarantee shall be valid up to ..... unless extended on demand by Govt. Notwithstanding anything mentioned above, our liability against this guarantee is restricted to Rs. .... (Rupees .....) only and unless a claim in writing is lodged with us within six months of the date of expiry or the extended date of expiry of this guarantee all our liabilities under this guarantee shall stand discharged.

Dated the ..... Day of ..... For .....  
 (Indicating the name of Bank).

## **RECOVERY OF SECURITY DEPOSIT (CLAUSE 1A)**

The person/persons whose tender(s) may be accepted (hereinafter called the contractor) shall permit Government of the time of making any payment to him for work done under the contract to deduct a sum at the rate of 10% of the gross amount of each running bill till the sum along with the sum already deposited as earnest money, will amount to security deposit of 5% of the tendered value of the work. Such deductions will be made and held by Government by way of Security Deposit unless he/they has/have deposited the amount of Security at the rate mentioned above in cash or in the form of Government Securities of fixed deposit receipts. In case a fixed deposit receipt of any Bank is furnished by the contractor to the Government as part of the security deposit and the Bank is unable to make payment against the said fixed deposit receipt, the loss caused thereby shall fall on the contractor and the contractor shall forthwith on demand furnish additional security to the Government to make good the deficit.

All compensations or the other sums of money payable by the contractor under the terms of this contract may be deducted from, or paid by the sale of a sufficient part of his security deposit or from the interest arising there from, or from any sums which may be due to or may become due to the contractor by Government on any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deductions or sale as aforesaid, the contractor shall within 10 days make good in cash or fixed deposit receipt tendered by the State Bank of India or by Scheduled Banks or Government Securities (if deposited for more than 12 months) endorsed in favour of the Engineer-in-charge, any sum or sums which may have been deducted from, or raised by sale of his security deposit or any part thereof. The security deposit shall be collected from the running bills of the contractor at the rates mentioned above and the Earnest Money if deposited in cash at the time of tenders will be treated a part of the Security Deposit.

**NOTE – 1:** Government papers tendered as security will be taken at 5% (five percent) below its market price or at its face value, whichever is less. The market price of Government paper would be ascertained by the Divisional Officer at the time of collection of interest and the amount of interest to the extent of deficiency in value of the Government paper will be withheld if necessary.

**NOTE – 2:** Note 1 & 2 above shall be applicable for both Clause 1 & 1A.

## SCHEDULES

**SCHEDULE 'A' : Schedule of quantities (enclosed):- Page 32-40**

**SCHEDULE 'B' : Schedule of materials to be issued to the Contractor:-**

Sl.No.	Description of item	Quantity	Rates including 5% storage charges	Place of issue
1	2	3	4	5
<b>Nil</b>				

**SCHEDULE 'C' : Tools and Plants to be hired to the contractor:-**

Sl.No.	Description	Hire charges per day	Place of issue
1	2	3	4
<b>Nil</b>			

**SCHEDULE 'D' : (Extra schedule for specific requirements/document for the work, if any)**

**Site Plan and Detailed Drawings: Attached**

Additional conditions of contract and specifications at pages **18 to 25**

**SCHEDULE 'E' : Schedule of components of material, labour etc. for price escalation.**

**CLAUSE 10 C.C:- NIL**

**SCHEDULE 'F' : Reference to General Conditions of Contract**

**NAME OF WORK : CONSTRUCTION OF HUTMENT AT GAUGE, DISCHARGE, SILT AND WATER QUALITY SITE, SHAHZADPUR (KAUSHAMBI), U.P.**

**Estimated cost of work : Rs.9,87,302/-**

**Earnest Money : Rs.19750/-**

**Performance : 5% of the tendered value**

**Guarantee**

**Security Deposit : 5% of tendered value**

<b>General Rules &amp; Directions :</b>	
Officer Inviting Tender :	: Executive Engineer, Middle Ganga Division -3, Central Water Commission, Varanasi
Maximum percentage for quantity of items of work to be executed beyond which rates are to be determined in accordance with Clauses 12.2 & 12.3	: <u>As per rules</u>
<b>Definitions :</b>	
2 (i) Engineer-in-Charge	: Executive Engineer, Middle Ganga Division -3, Central Water Commission, Varanasi
2 (vii) Accepting Authority	: Superintending Engineer, Hydrological Observation Circle, Central Water Commission, Varanasi
2 (x) Percentage on cost of materials and labour to cover all overheads and profits.	: 15%
2 (xi) <b>Standard Schedule of Rates</b>	: <b>DSR, 2007 with up to date correction.</b>
2 (xii) Department	: Central Water Commission
Standard CPWD Contract Form CPWD Form-7/8 as modified and corrected up to date.	

<b>Clause 1</b>	Time allowed for submission of Performance Guarantee from the date of issue of letter of acceptance, in days	15 days	
	Maximum allowable extension beyond the period provided above in days	7 days	
<b>Clause 2</b>	Authority for fixing compensation Under Clause 2.	Superintending Engineer, Hydrological Observation Circle, Central Water Commission, Varanasi	
<b>Clause 5</b>			
<b>MILE STONE</b>			
Sl. No.	Financial Progress	Time allowed (from date of start)	Amount to be with-held in case of non-achievement of milestone.
1	1/8 <sup>th</sup> (of the whole work)	1/4 <sup>th</sup> (of the whole work)	In the event of not achieving the necessary progress as assessed from the running payments, 1% of the tendered value of work will be withheld for failure of each milestone.
2	3/8 <sup>th</sup> (of the whole work)	1/2 <sup>th</sup> (of the whole work)	
3	3/4 <sup>th</sup> (of the whole work)	3/4 <sup>th</sup> (of the whole work)	
4	Full	Full	
<b>Time allowed for execution of work.</b>		<b>90 days</b>	
Authority to give fair and reasonable extension of time for completion of work.		Executive Engineer, Middle Ganga Division -3, Central Water Commission, Varanasi	
<b>Clause 7</b>	Gross work to be done together with net payment/adjustment of advances for material collected, if any, since the last such payment for being eligible to interim payment.	Not applicable	
<b>Clause 11</b>	Specifications to be followed for execution of work	CPWD specifications 1996, Vol.-I & Vol.VI with Upton date correction slips.	
<b>Clause 12</b>			
12.2 & 12.3 :	Deviation limit beyond which Clause 12.2% & 12.3 shall apply for building work.	As per prevailing rules	
12.5 :	Deviation Limit beyond which Clauses 12.2 & 12.3 shall apply for foundation work.	As per prevailing rules	

## Schedule - 'A'

**NAME OF WORK: CONSTRUCTION OF HUTMENT AT GAUGE, DISCHARGE, SILT AND WATER QUALITY SITE, CHOPAN (SONEBHADRA), U.P.**

S. No.	Detail of Works	Quantity	Rate		Unit	Amount (Rs.)
			In Figures	In words		
1	Earth work in surface excavation not exceeding 30 cm in dwpth but exceeding 1.5m in width as well as 10sqm on plan including disposal of excavated earth up to 50 m and lift up to 1.5 m, disposed soil to be levelled and neatly dressed.	31.815			sqm	
2	Earth work in excavation in foundation trenches or drains including dressing of soil & ramming of bottom, lift up to 1.5 m including getting out excavated soil & disposal of surplus excavated soil as directed within a lead of 50 m in all kinds of soil	38.04			Cum	
3	Earth work in excavation in foundation trenches or drains including dressing of soil & ramming of bottom, lift up to 3.0 m including getting out excavated soil & disposal of surplus excavated soil as directed within a lead of 50 m in all kinds of soil	19.52			Cum	
4	Providing & laying in position Plain Cement Concrete work of specified grade for foundation walls with 1:5:10 (1 cement, 5 Coarse sand & 10 graded stone aggregate 40mm nominal size)	8.99			Cum	
5	Brick work with F.P.S. Bricks of class designation 75 in wall in cement mortar 1:6 (1 cement, 6 Coarse sand) in brick wall foundation up to plinth level	35.03			Cum	
6	Brick work with F.P.S. Bricks of class designation 75 in Reinforced brick lintel in cement mortar 1:4 (1 cement, 4 Coarse sand) below plinth level	2.09			cum	
7	Providing and laying DPC 40mm thick with cement concrete 1:2:4 (1 cement, 2 Coarse sand & 4 graded stone aggregate 12.5 mm nominal size)	18.19			sqm	

8	Brick work with F.P.S. Bricks of class designation 75 in brick column & wall in cement mortar 1:6 (1 cement, 6 Coarse sand) in brick wall above plinth level	<b>42.71</b>			<b>Cum</b>	
9	Providing & laying in position specified grade of RCC work excluding the cast of centering, shuttering, finishing, and reinforcement in lintel & beam, roofs having slope up to 15° with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) above plinth level in lintel and beam and sunshade roof	<b>14.59</b>			<b>Cum</b>	
10	Reinforcement for RCC works in lintel at doors, windows, ventilator, verandah beam, sunshade window roofs and in RB tie beam including straitening, cutting, binding, placing in position and binding all complete using mild steel bars	<b>1155.86</b>			<b>Kg.</b>	
11	Centering and shuttering including strutting, propping etc. and removal of form for lintel at doors, windows, ventilator, verandah beam, sunshade window	<b>36.47</b>			<b>Sqm</b>	
12	Centering and shuttering including strutting, propping etc. and removal of form for roof	<b>103.19</b>			<b>Sqm</b>	
13	15 mm cement plaster of mix 1:4 (1 cement : 4 coarse sand ) including finishing complete on external wall	<b>181.12</b>			<b>Sqm</b>	
14	15 mm cement plaster of mix 1:6 (1 cement : 6 coarse sand ) including finishing complete on internal wall	<b>341.89</b>			<b>Sqm</b>	
15	Providing & Laying in position Plain Cement Concrete work of specified grade for foundation walls with 1:4:8 (1 cement, 4 Coarse sand & 8 graded stone aggregate 40mm nominal size)	<b>7.70</b>			<b>cum</b>	
16	Cement concrete flooring 40mm thick with 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size) including finishing complete with a floating coat of neat cement including cement slurry.	<b>57.54</b>			<b>Sqm</b>	

17	Providing and laying Ceramic glazed floor tiles 300x300mm of 1st quality conforming to IS :15622 of approved make in all colours, shade laid down on 20mm thick bed of cement mortar 1:4(1 cement:4 coarse sand) including pointing the joints with white cement and matching pigments etc.,complete	<b>21.51</b>			<b>Sqm</b>	
18	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS :15622 of approved make in all colours, shade in skirting,risers of steps and dados over 12mm thick bed of cement mortar 1:3 (1 cement:3 coarse sand) including pointing the joints with white cement and matching pigments etc.,complete	<b>27.24</b>			<b>Sqm</b>	
19	Distempering with dry distemper of approved brand and manufacture (two or more coats) and of required shade on new work, over and including priming coat of whitening to give an even shade on interior wall	<b>341.89</b>			<b>Sqm</b>	
20	Finishing exterior wall with water proofing cement paint of required shade on new work (two or more coats applied @3.84Kg/10sqm)	<b>168.47</b>			<b>Sqm</b>	
21	Steel works welded in built up sections/framed works including cutting hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required in window, door and ventilator frames	<b>627.82</b>			<b>Kg</b>	
22	Providing and fixing ISI marked steel glazed windows and ventilators side hung /top hung with beading and all members etc. complete of standard rolled steel sections, joint metered and welded with 15x3 mm lugs, 10cm long, embedded in , including providing and fixing of hinges, pivots, bolts and nuts as required float glass panes with glazing clips and special metal sash putty, including applying a priming coat of approved steel primer complete all	<b>138.50</b>			<b>Kg</b>	
23	Providing and fixing of ISI marked flush door shutters non decorative type, core of block board construction commercial ply on both faces 30mm thick including stainless steel butt hinges with necessary screws. (2 D1-1.575 Sqm,4 D2-2.1Sqm, 3 D3-1.89Sqm)	<b>17.22</b>			<b>Sqm</b>	

24	Painting wood work with Deluxe Multi Surface Paints of required shade, two or more coats applied over an under coat of primer applied of approved brand or manufacture on doors	<b>34.44</b>			<b>Sqm</b>	
25	Painting steel work with Deluxe Multi Surface Paints of required shade, two or more coats applied over an under coat of primer applied of approved brand or manufacture on windows	<b>24.78</b>			<b>Sqm</b>	
26	Providing and fixing bright finished aluminium hanging type floor door stopper with necessary with twin rubber stopper ,screws,etc.complete	<b>18.00</b>			<b>No</b>	
27	Providing and fixing aluminium handles with screws,etc.complete 125mm	<b>18.00</b>			<b>No</b>	
28	Providing and fixing ISI marked oxidised M.S. door latches conforming to IS with screws etc. complete	<b>18.00</b>			<b>No</b>	
29	Providing and fixing ISI marked oxidized M.S. sliding door bolts with nuts and screws etc. complete	<b>09.00</b>			<b>No</b>	
30	Providing & laying in position Plain Cement Concrete work of specified grade for top of roof with 1:2:4 (1 cement, 2 Coarse sand & 4graded stone aggregate zero No )	<b>5.686</b>			<b>cum</b>	
<b>Sanitary Installations</b>						
31(a)	Providing and fixing water closet squatting pan (Indian type W.C. Pan) with 100mm sand cast iron P or S trap, 10 lit. low level white PVC flushing cistern with manually controlled device(handle lever) with all fittings and fixtures complete including cutting and making good the walls and floors, white vitreous China, WC pan of size 580x440mm with integral type foot rests.	<b>01</b>			<b>No</b>	
31(b)	Providing and fixing Wash basin with CI brackets,15mm C.P. brass pillar taps,32mm C.P.brass waste of standard pattern,including cutting and making good the wall wherever required ,white vitreous China size 630x450mm with a pair of 15mm CP brass pillar tap with CI/MS brackets, complete all.	<b>02</b>			<b>No</b>	
31(c)	Providing and fixing kitchen sink with CI brackets,C.P. brass chain with plug, 40mm C.P.brass waste of standard pattern,including cutting and making good the wall wherever required ,white glazed fire clay kitchen sink size 600x450x250mm with a pair of 15mm CP brass pillar tap with CI/MS brackets, complete all.	<b>01</b>			<b>m</b>	

31(d)	Providing and fixing PVC waste pipe for sink or wash basin including PVC waste fitting complete 40mm dia	03			No	
31 (e)	Providing and fixing soil, waste and vent pipes, 100mm dia. Sand cast iron S&S pipe, complete all	12			m	
31 (f)	Providing and fixing mirror of superior glass rectangular shape 453x357mm with plastic moulded frame of approved make and shade	01			No	
31 (g)	Providing and fixing GI inlet connection for flush pipe connecting with WC pan	01			No	
31 (h)	Providing and fixing SCI S&S bend 100mm dia. Complete	03			No	
31 (i)	Providing and fixing SCI S&S cowl (terminal guard 100mm dia. Complete	01			No	
32	Supply good earth soil and filling the soil in rooms in layers not exceeding 20cm in depth ,consolidated each deposited layer by ramming and watering,lead up to 50m and lift up to 1.5 m (Total soil req.=77*.4=15.4Cum)	30.80			Cum	
33	Dry brick pitching half brick thick in side of external wall for plinth protection including supply of bricks and preparing the surface complete with F.P.S. bricks of class designation 75	31.96			sqm	
34	Pointing on brick works with cement mortar 1:3 (1cement : 3 fine sand)	31.96			sqm	
35	Providing brick aggregates 50 mm nominal size	1.74			cum	
36	Providing coarse sand	2.08			cum	
<b>37</b>	<b>Water supply</b>					
37(a)	Providing and fixing GI pipes complete with G.I. fitting including trenching and refilling etc. with 25mm nominal bore	50			m	
37(b)	Providing and fixing GI pipes complete with G.I. fitting including cutting and making good the wall etc. with 20mm nominal bore	10			m	
37(c)	Providing and fixing CP brass bib cock of approved quality 15mm nominal bore	06			No	
37(d)	Providing and fixing brass ball valve of approved quality 15mm nominal bore	02			No	
37(e)	Providing and fixing brass stop cock of approved quality 15mm nominal bore	04			No	

37(f)	Providing and fixing GI union in GI pipes including cutting and threading the pipes and making long screws etc. complete in 25mm nominal bore pipe	08			No	
37(g)	Providing and fixing GI reducer socket 25/20mm in GI pipes etc. complete	02			No	
37(h)	Providing and fixing PVC water storage tank 1000 L capacity with cover and suitable locking arrangement	01			No	
37(i)	Providing GI tees 25mm,G.I. T 20mm	06			No	
37(j)	Providing misc items such as G.I. socket 25mm,G.I. Nipple 25x225mm,G.I. Nipple 25x150mm,G.I. Nipple 25x100mm,G.I. Nipple 25x75mm G.I. Nipple 25x50mm,G.I. tank nipple 25mm,G.I. tank nipple 20mm,G.I. Nipple 20x225mm,G.I. Nipple 20x150mm,G.I. Nipple 20x100mm,G.I. Nipple 20x75mm	20			No	
37(k)	Labor charge for misc. items (L.S.) and fixing of water storage tank and Tees etc.(market rate has been taken)	01			Job	
38	Providing and fixing M.S. fan clamp of 16mm dia M.S. bar bent to shape with hooked ends in R.C.C. slabs during laying including painting the exposed portion of loop, all complete	10			No	
<b>39</b>	<b>Electrical fittings</b>					
39(a)	Supplying and fixing metal box of size 200mmx250mmx75mm deep with suitable size of phenolic laminated sheet cover in front including providing and fixing 3 pin 5/6 and socket outlet and 5/6 amps switch	10			No	
39(b)	Supplying and fixing metal box of size 180mmx100mmx60mm deep with suitable size of phenolic laminated sheet cover in front including providing and fixing 6 pin 5/6 and 15/16 amps socket outlet and 15/16 amps switch	10			No	
39©	Wiring for light point/fan point/exhaust fan point with 1.5 sq.mm FR PVC insulated copper conductor, single core cable in surface PVC conduit with piano type switch, phenolic laminated sheet, suitable size M.S. box and earthing the point with 1.5 sq.mm FR PVC insulated copper conductor, single core cable as required	50			Point	

39(d)	Power plug wiring for light /power plug with 2x4 sq.mm FR PVC insulated copper conductor, single core cable in surface PVC conduit along with 1 no 4 sq.mm FR PVC insulated copper conductor, single core cable for loop earthing as required	<b>20</b>			<b>m</b>	
39(e)	Supplying and fixing stepped type electronic fan regulator the existing switch box /cover including connections etc. as required	<b>10</b>			<b>No.</b>	
37(f)	Supplying and fixing 3 pin,5amp. Ceiling rose on the the existing junction box including connections etc. as required	<b>15</b>			<b>No.</b>	
39(g)	Supplying and fixing of PVC conduit along with accessories in surface complete including cutting the wall and making good the same in case of recessed conduit as required with 20mm dia circular or 30mm wide flat casing	<b>100</b>			<b>m</b>	
39(h)	Supplying and fixing brass batten/angle holder including connections etc. as required	<b>15</b>			<b>No.</b>	
39(i)	Earthing with GI earth pipe 4.5m long,40mm dia including accessories,and providing masonry enclosure with cover plate having locking arrangement and watering pipe etc. with charcoal and salt as required.	<b>01</b>			<b>No</b>	
39(j)	Installation, testing and commissioning of pre wired, fluorescent fitting of all type ,complete with all accessories and tube etc. Directly on ceiling / wall, including connection with 1.5 mm sq. mm Fr PVC insulated, copper conductor, single core cable and earthing etc. as required	<b>10</b>			<b>No</b>	
39(k)	Installation, testing and commissioning ceiling fan including wiring the down rods of standard length with 1.5 mm sq. mm Fr PVC insulated, copper conductor, single core cable and earthing etc. as required	<b>10</b>			<b>No</b>	
39(l)	Supplying and fixing 8 way, single door , single pole and neutral, sheet steel, MCB distribution board, 240 volts on surface complete with all accessories excluding MCB/RCCB/Isolator	<b>01</b>			<b>No</b>	
39(m)	6 amps to 32 amps rating MCB, 10KA breaking capacity	<b>10</b>			<b>No</b>	

39(n)	Supply of fluorescent tube light 40W fitting with copper choke complete with all accessories	<b>10</b>			<b>No</b>	
39(o)	Supply of 20mm PVC junction box one or two way	<b>01</b>			<b>100 No</b>	
39(p)	Supply of 40mm PVC bends	<b>01</b>			<b>100 No</b>	
39(q)	Supplying and fixing piano type switch on the existing switch box /cover including connections etc. as required with 5/6 amps switch	<b>50</b>			<b>No</b>	
<b>40</b>	<b>Rain water spout and pipes</b>					
40(a)	Providing and fixing 100mm dia. And 60cm long rain water spout in cement mortar 1:4 (1cement: 4 fine sand)	<b>04</b>			<b>No</b>	
40(b)	Providing and fixing M.S. holder bat clamps to rain water pipes embedded in and including cement concrete block 10x10x10cm in cement concrete 1:2:4 (1cement: 2 coarse:4 graded stone aggregate 20mm nominal size) and cost of cutting holes and making good the walls etc.	<b>08</b>			<b>No</b>	
40(c)	Providing and fixing on wall face unplasticised Rigid PVC rain water pipes Type A including jointing with seal ring , complete single socket pipes 110 mm dia.	<b>15.60</b>			<b>m</b>	

We agree to execute the above works in accordance with the technical specifications and terms and conditions mentioned in this tender documents for a total contract price of Rs.....(Rupees.....) within the period specified in the invitation for tender.

Date

Name & Signature of the Authorized Signatory