

GOVERNMENT OF JHARKHAND
Drinking Water & Sanitation Department

BOQ for the Work:- Construction of rural water supply Scheme with 1.0 HP DC Solar motor pump complete set & Deep T/W of 125/115mm Dia, 90mtrs deep Drilled Tube Well for Tola-Kharia Village -Kulamara Panchayat-Matigora Block-Musabani in the District- East Singhbhum Under D.W&S Division Jamshedpur For the year 2025-26. (Group-02)

Very Short E Tender Notice No. 08/2025-26 (4th Call) Dated 14.05.2026

Group No.	:	GR.-02
BOQ Cost	:	790270.00
Earnest Money	:	16000.00
Cost of BOQ	:	1250.00
Time of Completion	:	01 Month
Date of Receiving of tender	:	Date- 25.05.2026, Time- 4.00 PM
Opening of Tender	:	Date- 26.05.2026, Time- 4.30 PM

Issued to M/s: _____

Vide Money Receipt No: _____ Dated _____

Seal and Stamp of Issuing Office

झारखण्ड सरकार
पेयजल एवं स्वच्छता विभाग
ई-प्रोक्योरमेन्ट सूचना

अति-अल्पकालिन निविदा सूचना संख्या -08/2025-26 (4th Call)

दिनांक - 14.05.2026

1	Name of Work:- Construction of rural water supply Scheme with 1.0 HP DC Solar motor pump complete set & Deep T/W of 125/115mm Dia, 90mtrs deep Drilled Tube Well for Tola-Kharia Village -Kulamara Panchayat-Matigora Block-Musabani in the District- East Singhbhum Under D.W&S Division Jamshedpur For the year 2025-26. (Group-02)				
ग्रुप संख्या	योजना की संख्या	प्राक्कलित राशि (लाख में)	अग्रधन की राशि (लाख में)	परिमाण विपत्र का मूल्य (रूपये में)	कार्य पूर्ण करने की अवधि
GR.-02	01	790270.00	16000.00	1250.00	01 माह
2	वेबसाइट पर निविदा प्रकाशन की तिथि		18.05.2026 समय 2:00 बजे अपराहन् तक		
3	निविदा प्राप्ति (ऑन लाईन बिडींग) की अन्तिम तिथि एवं समय		25.05.2026 समय 4:00 बजे अपराहन् तक		
4	सरकार के सचिव, सूचना प्रौद्योगिकी एवं ई-गवर्नेंस, झारखण्ड मंत्रालय, के ज्ञापांक 120 दिनांक 03.10.2023 के आलोक में विपत्र का मूल्य एवं अग्रधन की राशि Online जमा करने की अन्तिम तिथि एवं समय		25.05.2026 समय 4:00 बजे अपराहन् तक		
5	तकनीकी बिड खोलने की तिथि एवं समय		26.05.2026 समय 4:30 बजे अपराहन्		
6	तकनीकी बिड खोलने का स्थान		कार्यपालक अभियंता, पेयजल एवं स्वच्छता प्रमंडल, जमशेदपुर		
7	निविदा आमंत्रित करने वाले पदाधिकारी का नाम/पदनाम :-		ई0 सुनील कुमार, कार्यपालक अभियंता, पेयजल एवं स्वच्छता प्रमंडल, जमशेदपुर।		
8	निविदा आमंत्रित करने वाले कार्यालय का टेलिफोन नं0		9430158557		
9	ई- प्रोक्योरमेन्ट सेल का हेल्प लाईन सं0		0651- 2480345		

नोट – केवल ई निविदा ही स्वीकार किये जायेंगे।

अधिक जानकारी के लिए वेबसाईट <http://jharkhandtenders.gov.in> पर देखा जा सकता है।

कार्यपालक अभियंता
पेयजल एवं स्वच्छता प्रमंडल
जमशेदपुर

**Executive Engineer
Drinking Water & Sanitation Division, Jamshedpur**

**INVITATION FOR BIDS (IFB)
NATIONAL COMPETITIVE BIDDING**

Very Short Tender reference No.- 08/2025-26 (4th Call)

Date- 14.05.2026

The undersigned, on behalf of the Government of Jharkhand, invites bids for the work mentioned in table below through e-Procurement from eligible and approved Contractors, registered in appropriate class with Drinking Water & Sanitation Department, Government of Jharkhand. The bid shall be submitted online in the Website <https://jharkhandtenders.gov.in>. The bidder(s) should have necessary portal enrolment with their own Digital Signature Certificate:

Sl no	Name of the work	Group No.	Estimated Cost (Rs in lakh)	Earnest Money (Rs in lakh)	Cost of Tender Paper (Rs)	Time of Completion	Name of the Concern office
1	2	3	4	5	6	7	8
1	Construction of rural water supply Scheme with 1.0 HP DC Solar motor pump complete set & Deep T/W of 125/115mm Dia, 90mtrs deep Drilled Tube Well for Tola-Kharia Village - Kulamara Panchayat-Matigora Block-Musabani in the District- East Singhbhum Under D.W&S Division Jamshedpur For the year 2025-26.	GR.-02	790270.00	16000.00	1250.00	1 Month	Drinking Water & Sanitation Division, Jamshedpur

Note – Updated estimated cost and earnest money should be taken as mentioned in the website

2. Period of availability of tenders online/ date & time of bidding online / last date of seeking clarification / date of opening of tender papers are as given below.

Sl no	Procurement officer	Place of opening	Availability of tender online (date & time)		Date & time of opening of technical bid
			From	To	
1	2	3	4	5	6
1	Executive Engineer, Drinking Water & Sanitation, Division, Jamshedpur	E.E., D.W.&S. Division, Jamshedpur	Date- 18.05.2026 Time- 2.00 PM	Date- 25.05.2026 Time- 4.00 PM	Date- 26.05.2026 Time- 4.30 PM

3. Agreement with Bidders selected through e-procurement shall be eventually drawn in **F-2**

4. The work shall be completed in all respect in 01 Month (mention the time of completion) from the date of written order to commence the work. The items of work, plan, specifications or any information in connection with the work can be seen in the office of Ex. Engineer, Drinking Water & Sanitation Division, Jamshedpur on any working day during office hours before submitting bid.
5. Cost of Bidding documents for a Non Refundable Fee (Cost of BOQ) and Earnest Money Deposit must be deposit online through various payment modes like Internet Banking / NEFT/RTGS /IMPS/Debit Card/Credit Card till dated 25.05.2026 up to 4:00 PM. Designated Bank (SBI) Payment Gateway has been integrated with e-procurement Portal of Government of Jharkhand (<http://jharkhandtenders.gov.in>)
- 5.1 Back-end transaction Matrix of Electronic Receipt and remittance of cost of tender Paper and Earnest Money Deposit on submission of bids as per mentioned in Annexure -1 vide letter No. 120 dt. 03.10.2023 by Secretary, Department of Information Technology and e-Governance ' Government of Jharkhand.
6. In case the overall rates quoted as per P.W.D. Jharkhand Ranchi memo no. 2146 (S) dt. 09-09-2020 (Part – I) & D.W. & S. Dep. Memo no. 2132 dt. 28-09-2020
7. It will be obligatory on the part of the tenderer to keep their offer open for acceptance for a period of 180 days from the date of opening of the tender.
8. Scanned copies of self signed of the documents to be up-loaded in .pdf format on the website <http://jharkhandtenders.gov.in> as per Clause 12.1 in Instructions to Bidders
9. Right to accept or reject or to distribute the work among the tenderers will remain reserved with the department without showing reason.
10. In the case of successful tenderer (hereinafter called contractor) the amount of E.M.D. will be transferred towards Initial Security Deposit in such a manner so that the security deposit will form part of 5% of the approved amount of the approved tender & the remaining of 5% shall be recoverable from the subsequent bills of the Contractor.
11. The Earnest Money of the successful tenderer (hereinafter called the contractor) which accompany the tender will be forfeited in case the tenderer declines to sign the agreement or fails to deposit Security Money within 10 days of being called upon to do so. Those contractors, who are exempted from depositing E.M., will deposit initial money within 10 days of being called upon to do so. If they fail to do so or decline to sign the agreement within the stipulated period, the requisite sum of money will be forfeited by way of adjustment from any sum to be paid to him by the other works, including his security money and in addition he may be Black Listed his registration may be cancelled.
12. The estimated amount may increase or decrease.
13. The N.I.T along with general rules, conditions of contract and special conditions of contract copies of which are available on the website– <http://www.jharkhandtenders.gov.in> will form part of the Contract Document.
14. Payment against works will be made by Executive Engineer, Drinking Water & Sanitation Division, Jamshedpur subject to availability of fund

Executive Engineer
Drinking Water & Sanitation Division
Jamshedpur

GENERAL RULES

- 2.1 Bidders have to fill in all such information as required in the tender documents.
- 2.2 The rates quoted by the tenderer shall be inclusive of Income Tax, GST, Royalty or any other Provincial and Central Taxes applicable at that time. Provisional or conditional tender shall not be accepted.
- 2.3 The tenderer shall be presumed to have carefully examined the conditions of the contract & specifications of the work. The tenderer will also be deemed to have inspected the work site and to have satisfied himself/herself/themselves independently as to the nature, extent and practicality of all works and required road approaches & other means of communication & access to the site ,lands, buildings, available for accommodation that may be required for temporary purpose in connection with the contract of work, as also availability of construction materials, location of work site including its climate & other geological characteristic, availability of skilled, semi-skilled & unskilled labours. The consequences of the lack of necessary knowledge will be borne entirely by tenderer.
- 2.4 The work shall be executed on the basis of guideline & Provision of BIS code of Practice, National building code, CPHEEO Manual, Standard specification of PWD,DWSD and JSED.
- 2.5 The tenderer shall submit a program of the execution of the work along with the tender.
- 2.6 The tenderer will maintain watch guards for the safety of the materials, if any, supplied by the department at his own cost.
- 2.7 All labours engaged in the work are to be paid wages as per Minimum Wages Act in force at the time of execution of this work.
- 2.8 The tenderer will provide to the labours, huts for shelter, drinking water and medical facilities at site and keep the site clean at his own cost.
- 2.9 The Tenderer will provide to the labours, huts for shelter, drinking water, electricity and medical facilities at site and keep the site clean at his own cost.
- 2.10 On receipt of the written order the successful tenderer will first deposit the balance amount of initial security deposit (ISD) within the specified period and then enter into an agreement with Executive Engineer on the basis of the stipulation in the approved tender documents before the issue of work order.

Executive Engineer
Drinking Water and Sanitation Division
Jamshedpur

Instructions to Bidders

(FOR F2 CONTRACT)

Detailed instructions & documents to be furnished for online bidding

1. Guidelines for online submission of bids can be downloaded from the website <http://jharkhandtenders.gov.in>
2. Interested bidders can download the bid from the website <http://jharkhandtenders.gov.in>
3. Bidders in order to participate in the bidding process have to get 'Digital Signature Certificate (DSC)' as per Information Technology Act-2000 to participate in online bidding. This certificate will be required for digitally signing the bid. Bidders can get the above mentioned digital signature certificate from any approved vendors (CCA). Bidders, who already possess valid Digital Certificates, need not procure new Digital Certificate.
4. Bidders have to submit their bids online in electronic format with digital Signature. Bids without digital signature will not be accepted. No proposal will be accepted in physical form
5. Bids will be opened online as per time schedule mentioned in the IFB.
6. Before submission of online bids, bidders must ensure that scanned copies of all necessary documents have been attached with bid.
7. Non Refundable Fee (Cost of BOQ) and Earnest Money Deposit must be deposit online as per letter No. 120 dt. 03.10.2023 by Secretary, Department of Information Technology and e-Governance ' Government of Jharkhand.(Letter uploaded)
8. Uploaded documents of the successful bidder will be verified with the original before signing the agreement. The successful bidder has to provide the originals to the concerned authority. on receipt of such letter, which will be sent through registered post delivered by hand or mail
9. The Department will be not be responsible for any delay in on line submission due to any reason what so ever. No claim shall be entertained on account of disruption of internet services being used by the bidder. Bidders are advised to upload their bids well in advance to avoid last minute technical snags
10. All required information for bid must be filled and submitted online.
11. Other details can be seen in the bidding documents.
12. Only online withdrawal or modification of bids, if any, in pursuance of relevant of the bid is acceptable
- 12.1. Scanned copies of **self Attested** of the following documents to be up-loaded (mandatory) in pdf format on the website <http://jharkhandtenders.gov.in> in Technical Bid Folder.
 - i. **Online Tender fee and Earnest Money Deposit must be submitted as per letter No. 120 dt. 03.10.2023 by Secretary, Department of Information Technology and e-Governance ' Government of Jharkhand.**
 - ii. Registration Certificate as a contractor of D.W. & S.D., Jharkhand.
 - iii. **Truck Mounted DTH rig Machine/Truck Mounted Mechanical/Hydraulic Reverse Rotary with Mud pump:-** Legal Ownership of Truck Mounted DTH rig Machine /Truck Mounted Mechanical/Hydraulic Reverse Rotary with Mud pump (whose registration is in Jharkhand State/other State) / For other than Rig Machine owner, Registered leased Deed of Jharkhand State/ Registered Partnership Deed from Registrar of Firms under THE INDIAN

PARTNERSHIP ACT 1932 must be submitted. Fitness certificate in technical Format separately for Truck Mounted DTH rig Machine /Truck Mounted Mechanical/Hydraulic Reverse Rotary with Mud pump issued by EE, Mechanical (must be issued within one year from the receiving date for the tender) with the photograph of Truck with it's registration Number. It must be written in Fitness Certificate as " Fit for 70 mt/90 mt/120 mt as per capacity of the compressor of the Rig Machine, (It must be issued within one year from the date of receipt of tender), Fitness Certificate of Truck (on which Rig Machine is mounted) duly issued by MVI, Road Tax or Entry Tax and Valid Insurance Certificate must be attached.

- iv. Up to date Character certificate will be issued by DC/SP (Except under 1S Registered Contractor)
- v. Income Tax Return (ITR) filed copy up to last Assessment Year 2024-25
- vi. PAN Card Certificate
- vii. Email ID must be Attached **(Compulsory)**
- viii. GST Registration certificate.
- ix. Photocopy of UCAN
- x. Turn over Certificate with UDIN number Issued by C.A. (minimum 100% of the tendered amount in any one year of last three financial year. 2022-23 to 2024-25)
- xi. Affidavit of Rs.100 in Non Judicial Stamp Paper for Rig Machine
- xii. Experience Certificate **(as mentioned in Sl.-8 in Hindi)**
- xiii. Affidavit of Rs.100 in Non Judicial Stamp Paper for certificate/documents submitted **(as mentioned in Sl.-19 in Hindi)**
13. The following documents to be up loaded on website <http://jharkhandtenders.gov.in> in Financial Bid Folder.
 - 13.1 Duly filled in and digitally signed B.O.Q.
14. Legal action will be taken as per rule if fake certificate uploaded by bidder.
15. Rate shall be offered by the Tenderer in Percentage (Excess/Less/on Schedule) in duly filled in digitally signed BOQ & Uploaded as Financial Bid Folder.
16. Each uploading shall be digitally signed by the bidders.

Executive Engineer,
D.W. & S. Division, Jamshedpur

निविदा की आवश्यक शर्तें

1. निविदाताओं को निविदा के साथ झारखण्ड सरकार, पेयजल एवं स्वच्छता विभाग द्वारा समुचित श्रेणी/प्राधिकार (यथा प्रभावी "संवेदक के निबंधन/नवीकरण सशोधित नियमावली 2012") निविदा में केवल समुचित श्रेणी के ही संवेदक द्वारा भाग लिया जा सकता है। साथ ही जिन-जिन संवेदकों के द्वारा पिछला आवंटित कार्य अपूर्ण है। उनके निविदा पर विचार नहीं किया जाए, आचरण स्वच्छता प्रमाण पत्र (निविदा की तिथि से अधिकतम 1 वर्ष पूर्व का) आयकर रिटर्न की प्रति पैन कार्ड प्रमाण-पत्र E-mail ID, G.S.T. Registration प्रमाण-पत्र एवं G.S.T. Return last month तथा UCAN की छायाप्रति संलग्न करना अनिवार्य होगा। श्रम अनुज्ञप्ति कार्यादेश निर्गत के पश्चात् कार्यपालक अभियन्ता को एक माह के अन्दर प्रस्तुत करना अनिवार्य होगा।
2. निविदादाता को अपने निविदा के साथ अग्रधन की राशि राष्ट्रीय बचत प्रमाण-पत्र, आठवाँ निर्गम अथवा तीन या पाँच वर्षीय डाक घर सावधि जमा पासबुक के रूप में जमा करना होगा। कम्पनी/फर्म के लिये राष्ट्रीयकृत बैंक का बैंक गारंटी/समावधि जमा एफ0डी0आर0 भी मान्य होगा, जिसकी अवधि तीन वर्ष होनी चाहिए जो संबंधित कार्यपालक अभियन्ता के पदनाम से प्रतिज्ञित कराकर जमा करना अनिवार्य होगा।
3. बिना कारण बताएँ एक या सभी निविदाओं को रद्द करने का अधिकार अद्योहस्ताक्षरी अथवा विभाग के सक्षम पदाधिकारी को पूर्ण सुरक्षित रहेगा। इस संबंध में कोई पृच्छा मान्य नहीं होगा।
4. प्रत्येक ग्रुप के लिए तकनीकी बीड एवं रेट बीड अलग-अलग लिफाफा में डालना होगा।
5. डीजल, मोबिल एवं कार्यों में लगने वाले अन्य सामाग्रियों की कीमत में वृद्धि एवं मजदूरी में वृद्धि होने पर किसी प्रकार का दावा देय नहीं होगा।
6. निविदापत्र में अंकित परिमाण घट-बढ़ सकता है, तदनुसार परिमाण विपत्र में अंकित राशि के आधार पर अग्रधन की राशि एवं परिमाण विपत्र का मूल्य देय होगा।
7. निविदित न्यूनतम दर समान होने की स्थिति में पथ निर्माण विभाग झारखण्ड सरकार के संकल्प सं0-2146 (s), रांची दिनांक 09.09.2020 के अनुसार निविदा का निष्पादन किया जायेगा।
8. संवेदक का विगत 03 (तीन) वर्षों में से किसी 01 (एक) वर्ष में निविदित राशि का कम से कम 25 प्रतिशत समान प्रकृति के कार्य का अनुभव प्रमाण-पत्र संलग्न करना अनिवार्य है, जाे कार्यपालक अभियन्ता से अन्यून स्तर के पदाधिकारी से निर्गत न हो।
9. संवेदक को लाभान्वित होने वाली जनसंख्या (कोटिवार) अक्षांस-देशांतर, जल प्रवाह तथा Strata chart in Hard copy & soft copy (Excel in Arial Font) में विपत्र के साथ देना अनिवार्य होगा अन्यथा भुगतान की कार्रवाई नहीं की जायेगी।
10. निविदा से सम्बन्धित अन्य आवश्यक सूचना व शर्तें Note to tenderers में रहेगी। इसके अतिरिक्त अन्य जानकारी कार्यालय से कार्य दिवस एवं कार्य अवधि में अद्योहस्ताक्षरी के कार्यालय से प्राप्त की जा सकती है।
11. कार्यपालक अभियन्ता एवं अधीक्षण अभियन्ता से सामग्री के भौतिक सत्यापन के उपरान्त ही इसका उपयोग कार्य पर किया जासकेगा। किसी भी परिस्थिति में संवेदक सामग्री का भण्डारण प्रमण्डलीय/अवर प्रमण्डलीय भण्डार से अन्यत्र किसी स्थान पर नहीं करेंगे।

12. पूर्व में आवंटित समान प्रकृति के कार्य बिना पर्याप्त कारण के निर्धारित समय में पूर्ण नहीं करने संवेदक का कार्य आवंटित नहीं किया जायेगा ।
13. संवेदकों का आवंटित कार्य की मात्रा के अनुसार तिथिवार Work plan/Mile stone देना अनिवार्य होगा। जिन संवेदकों का कार्य निर्धारित Mile stone के अनुरूप लगातार नहीं होने पर सम्बन्धित संवेदक को कारण बताओं नोटिस के आधार पर एकरारनामा रद्द करते हुए कालीसूची में डालने तक की कार्रवाई की जा सकेगी ।
14. एकरारनामा के शर्तानुसार समय पर कार्य नहीं किये जाने पर नियमानुसार दण्ड शुल्क की कटौती कर ली जायेगी ।
15. किसी प्रकार की कानूनी विवाद का निपटारा माननीय झारखण्ड उच्च न्यायालय, रांची के अधिकार क्षेत्र में ही होगा ।
16. कार्य पूर्ण होने के उपरांत ही तथा निधि प्राप्त होने के उपरांत ही भुगतान किया जाएगा। इसके लिए अलग से कोई दावा मान्य नहीं होगा ।
17. निविदाकार को तकनीकी बीड का सभी कागजात स्वः हस्ताक्षरित कर Scanned कर के Website पर Upload करना अनिवार्य होगा । सर्वप्रथम तकनीकी बीड खोला जायेगा । निविदा तकनीकी रूप से सही पाने के बाद ही उस निविदादाता का रेट बीड खोला जायेगा ।
18. विस्तृत जानकारी हेतु सूचना पट् पर देखें या अद्योहस्ताक्षरी के कार्यालय में सम्पर्क करें।
19. निविदादाता 100/- रूपये (एक सौ रूपये) मूल्य के Non Judicial Stamp Paper पर इस आशय का शपथपत्र देंगे कि उनके द्वारा समर्पित सभी सूचनाएँ/कागजात सत्य एवं सही है तथा गलत पाये जाने पर विभाग किसी भी प्रकार की कार्रवाई के लिए स्वतंत्र होगा। शपथ पत्र निविदा प्रकाशन की तिथि के बाद का होना अनिवार्य है।
20. PWD Code / मंत्रीमंडल निगरानी विभाग, झारखण्ड/विभाग के द्वारा निर्गत निदेशों एवं स्वीकृत्यादेश की शर्तों / अभियन्ता प्रमुख, पेयजल एवं स्वच्छता विभाग के निदेशों का अनुपालन किया जाना आवश्यक होगा।
21. संवेदको का सभी ब्यौरा UCAN में स्पष्ट रूप में अंकित होना चाहिए।
22. परिमाण विपत्र का मूल्य (जो लौटायी नहीं जाएगी) राष्ट्रीयकृत बैंक से निर्गत बैंक ड्राफ्ट पर दिया जाएगा, जो कि कार्यपालक अभियन्ता के पदनाम से देय होगा। निविदा का परिमाण विपत्र विभागीय Website : www.jharkhandtenders.gov.in से भी Download किया जा सकता है।
23. सशर्त निविदा अमान्य होगा।
24. सामग्रियों की गुणवत्ता की जाँच विभागीय पत्रांक-644,(CDO),दिनांक-25.07.2022 (CDO) dt. 27-02-2021 एवं 898 (CDO) dt. 04-08-2021के आलोक में किया जायेगा।
25. कार्य में प्रयुक्त होने वाले सभी प्रकार की सामग्रियों का क्रय निर्धारित मानक अनुसार औद्योगिक नीति में परिभाषित Jharkhand Industrial Policy 2014 के अनुसार करनी होगी।

कार्यपालक अभियन्ता,
पेयजल एवं स्वच्छता प्रमण्डल
जमशेदपुर

**GOVERNMENT OF JHARKHAND
DRINKING WATER & SANITATION DEPARTMENT
NOTES TO TENDERERS**

The tenderers will have to submit their tender in two folders as explained below failure in compliance of following instruction tender will be liable for rejection.

The folders will contain:-

- (i) **Folder A (Technical Folder)** – Scanned copies of attested (self attested as well as attested by the Gazetted officer/Notary Public) photocopies of all required certificates and documents, instruments related to cost of tender documents and Earnest money Duly filled check list, the Performa of which is enclosed, should also be attached in this folder. **Hard copies of these uploaded documents will have to be submitted in the division before the schedule time for submission.**
- (ii) **Folder B (Financial Folder)** - BOQ attached with duly offered rates filed in on the space provided for it, duly signed by the tenderer. No other document except asked for, should be attached in this folder.

2. SCOPE OF WORK : Construction of rural water supply Scheme with 1.0 HP DC Solar motor pump complete set & Deep T/W of 125/115mm Dia, 90mtrs deep Drilled Tube Well for Tola-Kharia Village -Kulamara Panchayat-Matigora Block-Musabani in the District- East Singhbhum Under D.W&S Division Jamshedpur For the year 2025-26.

3. QUANTITIES:

Quantities given in schedule "A" are approximate and for the guidance of the contractor for quoting their rates. Payment for the work done will be made on the basis of actual measurement of work done. No claim will be entertained for any variation of quantities given in Schedule – "A" without prior written permission of the Engineer-in-charge.

4. CONTRACT VALUE:

The successful tenderer would be required to execute the work as per quantities given in the Bill of quantity and he will have to ensure that in no case the total value of work done under this contract exceed the value of the contract, the contractor will have to take written order from the Engineer I/C.

5. TIME:

The contractor will have to ensure to complete the work within 01 month time from the date of issue of work order.

6. POWER TO ACCEPT OR REJECT TENDER:

The lowest tender will not necessarily be accepted. The undersigned reserves the right to accept or reject any or all the tenders received and no explanation can be demanded of the cause of rejection of his tender by any person making the tender.

7. BID SECURITY AND PERFORMANCE SECURITY:

Bid Security deposited by the successful tenderer may be forfeited in case the contractor declines or fails to deposit the Performance Security on the acceptance Contract Values as Initial Security Money for due performance of the Contract within Ten (10) days of being called upon to do so. A further deduction of 5% (five percent) as security money will be made from all bills which become payable during the execution of the work.

On receipt of written application the Bid Security of the unsuccessful tenderers will be refunded to the tenderers by the Executive Engineer in due course.

Earnest money deposit:

Cost of Bidding documents for a Non Refundable Fee (Cost of BOQ) and Earnest Money Deposit must be deposit online through various payment modes like Internet Banking / NEFT/RTGS /IMPS/Debit Card/Credit Card ,Designated Bank (SBI) Payment Gateway has been integrated with e-procurement Portal of Government of Jharkhand (<http://jharkhandtenders.gov.in>)

8. RATE:

Tenderers are requested to quote their rates in terms of percentage "ABOVE" or "BELOW" the Departmental Rates mentioned in the bill of quantity. The percentage should be clearly mentioned "ABOVE" or "BELOW" in figures and words both in the prescribed format. **It**

should be noted by the tenderers that any tender quoted more than 10% below the estimated cost Additional Performance security will be charge as per JPWD Code 172(a).

9. CARRIAGE:

It should be noted by the tenderers that rates for different items of work mentioned in Schedule-"A" are exclusive of carriage but inclusive of all taxes & royalty. Therefore, no separate payment will be made to the contractor in respect of taxes & royalty in any shape. The items of carriage of construction materials has been provided separately in the Schedule-"A". No separate payment for carriage of HDPE/G.I. pipes and fittings, HDPE/GI pipes & fittings, etc. will be made. Payment against GST, Labourcess, carriages will be made strictly as mentioned in Bill of quantity, Payment will be made.

10. SETTING OUT OF WORK:

The Engineer I/C of the work will give the alignment of work & datum at site. The contractor will have to take full responsibility of complete laying and setting out the work in true lines and levels as per drawing and written direction of the E/I. The contractor should carefully study the plan before starting the layout and bring to his notice and get it rectified by the Engineer I/C before starting of layout. The contractor should note that he will be entirely responsible for correctness as per direction of the E/I not with standing the fact that he might have been helped or associated by the departmental staffs in such layout. If at any time errors in line or levels are detected that shall be rectified by the contractor at his own cost.

11. MATERIALS:

No materials will be supplied by the Department to the contractor hence neither recovery from the contractor's Bill nor extra payment will be made to the contractor in this regard.

12. ACCOMMODATION:

The contractor will have to provide at their own cost proper huts and drinking water and other essential facilities for the labour employed on the job.

13. ELECTRIC POWER:

The contractor will have to make his own arrangement for electric and other type of power required for lighting or other purpose for execution of the work. Department, however, may help them by moving to Electric Department for getting electric connection etc.

14. CONSTRUCTION WATER:

The contractor shall arrange for construction water at his own cost.

15. INSURANCE:

The contractor will have to insure their labours to be employed on the execution of the work at his own cost. If any accident occurs at the site of work during the execution of the work, the contractor will have to pay compensation for the damages at his own cost.

16. EXTRA WORK:

The contractor shall not carry out any extra work without prior written order of the Engineer I/C. The contractor will have to maintain a Site Order Book on which necessary instructions regarding the execution of the work be given to the contractor by the E/I or any Inspecting Officer of the Department. The Site Order Book will be the property of the Department and will remain with the Junior Engineer I/C of the work. The contractor will have to make available the facilities for inspection of the work to the Inspecting officer of the Department.

17. WAGES:

The contractor will have to be ensured for payment to the labours engaged in the execution of the work strictly in confirmation to the Minimum Wages approved by the Government. Any case of No payment to the labourers may lead to penalty to the contractor fixed by the department and competent authority.

18. ADDRESS:

Tenderers will have to furnish their full permanent and local addresses, Telephone (Residence & Office)and Mobile numbers as well as his e-mail Id. in the Tender paper. The tenderers are requested to sign each and every page of the tender documents before submitting their tender.

19. **SITE CLEARANCE** :

The contractor will keep the site neat and clean even during the execution of the work. After completion of the work, the contractor will remove all debris etc. and hand over a neat and clean site to the Department.

20. **CLARIFICATION OF ANY POINT** :

The tenderers should get his doubt and/or any ambiguity about the tender, clarified by the Executive Engineer before submitting their tender.

21. **MIXER AND VIBRATOR**

The contractor will have to use Power Mixer and vibrator for doing P.C.C & R.C.C. work, Hand mixing of cement concrete will not be allowed.

22. **SPECIFICATION** :

All relevant standard specification of D.W. & S.D., J.P.W.D., MNRE and State Electricity Board will be followed during the execution of the work.

23. **PAYMENT** :

It should be noted by the tenderers that payment will be made only after availability of sufficient fund. Payment will be made strictly on the basis of actual work done as per specifications laid under different items of works. Payment Schedule will be approved by Superintending Engineer.

24. **INCOME TAX & LABOUR CESS** :

It should be noted by the tenderers that Income Tax @ **2.00%** and labour cess as per rule @ **1%** will be deducted from Running or on account Bills as well as from final Bill.

25. **GST/Royalty and other deductions**:

It should be noted by the tenderers that GST/Royalty and other deductions as applicable will be deducted from each running A/C Bill including Final Bill.

26. **PLEDGING OF EARNEST MONEY DOCUMENTS**:

It should be noted by the tenderers that the prescribed documents relating to the earnest money to be submitted with the tender should be pledged in favour of the Executive Engineer, D.W. & S. Division, Jamshedpur. Blank pledging form attached with the tender will not be accepted. Pledged Earnest Money documents deposited as Earnest Money or Security Money in other work in this office or in other office of the Department will not be treated as Earnest Money accompanying the tender unless they are released from the work and attached with the tender.

26. **AMOUNT OF SECURITY DEPOSIT or PERFORMANCE SECURITY**:-Total amount of Performance Security will be equal to 5 % of the agreement value rounded to the next hundred rupees. PS (i.e. 5% of the agreement value) two B.G. of 2.5% in case B.G. is submitted will be deposited by the contractor in the form of duly pledged instruments of SD such as NSC or Post office TD pass book / fixed deposit receipt of a nationalized commercial bank or bank guarantee (till completion of O&M period) as the case may be, at the time of execution of agreement. Balance half (i.e. 5% of the agreement value) will be deducted from each running or on account bill as well as from the final bill. The entire Security Deposit and Performance Security will be released / returned to the contractor In the following manner.

i.	<u>After completion of 1st year O&M</u>	<u>NIL</u>
ii.	<u>After completion of 2nd year O&M</u>	<u>25% of Amount Deducted</u>
iii.	<u>After completion of 3rd year O&M</u>	<u>25% of Amount Deducted</u>
iv.	<u>After completion of 4th year O&M</u>	<u>25% of Amount Deducted</u>
v.	<u>After completion of 5th year O&M</u>	<u>25% of Amount Deducted</u>

In case Agency does not attend the Complaint or does not do O&M work, rest of the Security money will be forfeited.

Executive Engineer
D. W. & S. Division
Jamshedpur

Technical Specifications

Materials and methods of construction for all civil works shall be as per relevant Indian standard specification, part of which are incorporated in the standard specification of DWSD and J.P.W.D. Jharkhand and all will be followed during the execution of the work. The work shall be executed as per the guidelines and provisions of B.I.S. All materials shall conform to Indian standard code of practice National Building Code and CPHEEO manual to maintain quality of work. List of relevant BIS codes are placed as annexure 'A'

1. General:

All materials shall be best of their kind and shall conform to the relevant latest Indian standard. All materials shall be of approved quality as per samples and from origins approved by the Engineer in Charge. A set of specimen samples of all approved materials shall be kept in sealed container or otherwise at site, cost of which is to be borne by the contractor.

2. Bricks:

Only 1st class kiln burnt bricks shall be used unless otherwise specified. They shall be of a uniform deep cherry colour; thoroughly burnt, regular in shape with sharp and square areas and they must emit a clear ringing sound on being struck. They must be free from cracks, chips, flaws, stones or lumps of any kind and they shall not absorb water more than one seventh of their own weight after soaking them in water for 15 minutes. The bricks shall show no sign of efflorescence either dry or subsequent to soaking in water.

3. Sand:

The source from which sand is to be obtained shall be subject to the approval of Engineer-in-charge. The sand shall be clean, sharp and gritty to touch and be freed from soil and other impurities by washing. The sand shall be washed to such a degree that when a handful is mixed with clean water in a glass and allowed to stand for an hour the precipitate of mud over the sand shall not exceed 5%. The sand should conform to IS 382-1982 for fine and coarse aggregates from natural sources.

4. Coarse Sand:

It is to be screened through a sieve of 64 meshes to the square inch so as to exclude large particles from the work. The fineness modulus shall not be less than 1.0

3. Fine sand:

It is to be screened through a sieve of 64 meshes to the square inch so as to exclude large particles from the work. The fineness modulus shall not be less than 2.5

4. Stone chips:

It shall be obtained from crushing trap quartzite or hard stones and from quarries approved by Engineer-in-charge. It shall be of approved quality and proper grade. It shall pass through $\frac{3}{4}$ "mesh and retained on $\frac{1}{4}$ "mesh. It shall be free from dirt, leaves, clay and any organic matter. The material conforming generally to IS 383-1983 for coarse and fine aggregate from natural sources or IS 515-1959 for natural and manufactured aggregates for use in mass concrete with latest revisions.

5. Cement:

Ordinary or lowest heat Portland cement conforming I.S.S. 269 –1989 of A.C.C./ RAYMOND/LAFARGE shall be used after due approval of the Engineer-in-charge. All cement shall be fresh when delivered. Cements of different types are not to be mixed with one another. Consignments shall be used in the order of delivery. Admixture if any shall be used only after approvals of Engineer in charge.

6. Reinforcement:

Steel reinforcement shall be of mild steel of tested quality conforming to I.S.S. – 432 - 1966/ H.Y.S.D. Fe 500 bars conforming to ISS-1786/1779-of SAIL/TATA/as per SOR make approved by department. All the reinforcement shall be clean and free from rust,

mild scales, dust, paint, oil, grease, adhering soil or any other material or coating that may impair the bond between the concrete and the reinforcement, or cause corrosion of the reinforcement or disintegration of concrete. Neither the size nor length of bar or wire shall be less than the size or length described in the bar schedule or elsewhere and the length shall not be more than 50 mm in excess of the length as described. Welded joints in reinforcement may be used but in cases of important connection, tests shall be made to prove that the joints are of the full strength of bars connected, welding of reinforcement shall be done in accordance with the recommendations of the relevant Indian standards for welding mild steel bars used in the reinforced concrete construction. Bending and overlapping, placing in position, fabrication, binding, reinforcement with wire of approved gauge shall be done as per I.S. 432 – 1960 (revised) and I.S. 1786 – 1966 and I.S. 2502 (revised). Handling and storage of materials for concrete or RCC should be followed as per I.S. 4082 –1977.

7. **Water:**

The water to be used in making and curing of concrete, mortar etc. shall be free from objectionable quantities of silts, organic matter, injurious amount of oils, acids, salts and other impurities etc. as per IS-456-2000. The Engineer-in-charge or his authorized representatives will determine whether quantities of impurities are objectionable. Such comparison will usually be made by comparison of compressive strength, water requirement, time of setting and other properties of concrete made with distilled or every clean water and concrete made with the water proposed for use, Permissible limit for solids when tested in accordance with I.S. 3025-1964. Shall be as tabulated below

- | | |
|-----------------------------------|--|
| 1. Organic | : Permissible limit for solids Maximum |
| Permissible limit | 200 mg/litre. |
| 2. Inorganic | : 3000 mg/litre. |
| 3. Sulphate (As SO ₄) | :500 mg/litre. |
| 4. Chloride (As Cl) | :2000 mg/litre for P.C.C and 1000 mg/litre |
| 5. Suspended matter | :2000 mg/litre. |

If any water to be used in concrete, suspected by the Engineer-in-charge/or his authorized representative of exceeding the permissible limits of solids, samples of water will be obtained and get it tested by Engineer-in-charge in accordance with IS- 3025-1964.

8. **Cement Mortar:**

The mortar shall consist of cement and sand mixed in proportion defined in relevant schedule item for various item of work. Only measured quantity shall be used. The sand shall be shoveled in a wooden measure of a clean masonry platform, after removing the measure box and spreading out sand if necessary, the cement (in required proportion) shall be emptied on the top of sand. The sand and cement shall be then turned over with shovels once dry and made into the form of a hollow cone; into this water can be poured and the whole shall then be turned over completely twice. The color and consistency shall at this stage be quite uniform, if not, further turning shall be done. Water shall be added by measured quantities. Only such quantities of mortar shall be mixed at one time as can be used at once before it can set. No mortar, which has once caked or begun to set, shall be used, nor shall such mortar be remixed; but it shall be removed from the site of the work immediately.

9. **Cement concrete:**

The concrete shall consist of an aggregate of the proportion by volume/ weight as defined in relevant schedule item or work. Only measured quantity shall be used. The aggregate shall consist of stone ballast of quality approved by Engineer-in-charge and shall consist of graded size 20 mm and down wards as per PWD specification or the size mentioned in the item description. The quality of cement concrete should conform to the specification mentioned in BOQ and standard and specification as laid down in different IS codes for concrete to be used for different component and for different design concrete.

10. Laying:

The cement, sand and stone chips shall be mixed properly in mechanical mixer in such a manner as to avoid loss of water. The concrete shall be mixed for minimum period of 2 minutes or until it is of even color and uniform consistency throughout. As soon as the concrete is mixed it should be removed to the work in iron vessels as rapidly as practicable. The concrete laid will be vibrated for compaction by the vibrators. Slum test will be carried at site during execution of work. Cube (crushing) test of concrete will have to be carried out at the frequency as mentioned in relevant IS code of practice and record of such test will be preserved for future reference.

11. Curing:

The concrete laid shall not be disturbed and shall be kept thoroughly damped by means of wet matting and sand until it shall have become thoroughly set and hard enough to prevent its drying and cracking.

12. Forms:

Contractor shall furnish on the site of work sufficient number of centering, molds or templates for its expeditious execution. The forms shall be made in such a way and of such materials as will ensure a smooth surface on the finished concrete. Forms and centering shall be left in place until the concrete has set sufficiently to permit the removal without danger to the structure and as per direction of E/I.

13. Solar Panel And Motor:

A solar photovoltaic water pumping system consists of a PV array, a DC/AC submersible motor pump set, electronics, if any, interconnect cables and an "On-Off" switch. PV Array is mounted on top of structure at an angle of 23.5° for optimum use of solar energy.

Components and parts used in the SPV water pumping system including the PV modules, pumps, metallic structures, cables, junction box, switch, etc. should conform to the BIS/ IEC/ international specifications, wherever such specifications are available and applicable.

14. TECHNICAL SPECIFICATIONS FOR 1 HP/2HP SPV SUBMERSIBLE PUMPS FOR BORE WELL (900/1800 WATT per H.P. PV MODULE) (DC PUMPS)

I. INTRODUCTION

A Solar Photovoltaic (SPV) Water Pumping System consists of :

- PV Array:
PV Array Capacity should be Minimum 900/1800 WP per H.P.(DC) It should be mounted on a suitable structure with a provision of tracking the sun.
- Motor Pumps Set (submersible):
It could be installed on a suitable bore well etc. It could be.
 - D.C. Motor Pump Set (with Brushes or Brush less D.C.)
- Electronics:
 - Maximum Power Point Tracker (MPPT)
 - appropriate Electronic Controller in case of BL.D.C. Motor Pumps set
- Electronic Protections.
 - Interconnect Cables and
 - "On-Off" switch.
- Technical Specifications of system.
 - Maximum installation depth. -60 m.
 - Delivery head above ground (maximum).- 15 m
 - Daily yield at array of 5 – 6 kWh / m Sq. per day – 2000 LPH (1HP)
 - Wire to water efficiency > 50%
 - Maximum current input for solar drive- 9.5 amps.
 - Maximum input power to submersible pump- 900/1800Wp per H.P.(DC)
 - 1X solar power submersible pump
 - Solar panel 900/1800Wp per HP (DC)

- Every panel mounted in Aluminium frame and supported by galvanized angle frame and erected on galvanized pipe structure with single axis manual tracking arrangement at least 3 mtr high above GL.
- Provision should be available for float switch operation to avoid overflow from the storage tank.
- Technical specifications of Submersible pump
 - Light weight stainless steel pump and body
 - 1 Submersible pump
 - Maximum shut of head -120 mtr
 - Option for operating head from 15-90 m
 - Discharge range from
 - 4500-6000 LPD for 1HP and 2HP Accordingly
 - Rated speed 500-3600 rpm
 - Current 9.5 amps (maximum)
 - Cable 3 X 2.5 sq.mm
 - Suitable for 100 mm and above dia. Bore wells
 - Outlet size 25-32mm
 - Inbuilt controller

II. PV ARRAY CAPACITY:

The SPV water-pumping system should be operated with a PV array of $P_{max} = 900/1800$ watts per HP DC Pump measured under standard test conditions. Sufficient number of modules in series and parallel will be used to obtain the required PV array current, voltage and power output. The power output of individual PV modules used in the PV array, under STC, should be a minimum of 125 Watts, with adequate provision for measurement tolerances. Use of PV modules with higher power output preferred. Indigenously produced PV module (S) containing mono/multi crystalline silicon solar cells should be used in the PV array for the SPV water Pumping systems.

- Modules supplied with the SPV water pumping systems should have certificate as per IEC 61215 specifications or equivalent National or international / standards.
- Modules must qualify to IEC 61730 Part I and II for safety qualification testing.
- The efficiency of the PV modules should be minimum 14 % and fill factor should be more than 70%
- The terminal box on the module should have a provision for “ Opening” for replacing the cable, if required.
- There should be a Name plate fixed inside the module which will give:
 - Name of the Manufacture of Distinctive Logo
 - Model Number
 - Serial Number
 - Year of manufacture

III. PERFORMANCE SPECIFICATIONS AND REQUIREMENTS

Under the “Average Daily Solar Radiation” condition of 7.15 KWh/ sq.m. on the surface of PV array, (i.e. coplanar with the PV Modules), the minimum water output from a Solar PV Water Pumping System, comprising B.L.D.C. or P.M.D.C. Or A.C. motor & submersible pumps, at different “Total Dynamic Heads” should be as specified below :

- a. In 1H.P. Minimum 5000 litres of water per hour from a Total Dynamic Head of 90 metres and the shut off head being at least 120 metres.
- b. In 2HP Minimum 7000 litres of water per hour from a Total Dynamic Head of 90 metres and the shut off head being at least 120 metres.

The actual duration of pumping of water on a particular day and the quantity of water pumped could vary depending on the solar intensity, location, season, etc. Indicative performance specifications for the Shallow and Deep well SPV Water Pumping Systems .

IV. MOTOR PUMP-SET (D.C Pump)

The SPV water pumping systems may use any of the following types of motor pump sets:

- Submersible motor pump set
- Any other type of motor pump set after approval from Test Centres of the MNRE.

The "Motor Pump Set" should have a 1 H.P/2HP& should have following features:

- The motor should be BLDC type.
- Submersible pumps could be used according to the dynamic head of the site at which the pump is to be used.
- It is recommended that all parts of the pump and the motor of the submersible pumps should be made of stainless steel.
- The manufactures of pumps should self certify that, the pump and all external parts of motor used in submersible pump which are in contact with water, are of stainless steel. The pump used for Solar application should have 5 years warranty so it is essential that the construction of the pump be made using parts which have much higher durability and do not need replacement or corrode for at least 5 years.
- Provision for remote monitoring of the installed pumps must be made in the controllers or the inverters either through arrangement or through an externally fitted arrangement. It should be possible to ascertain the daily water output, the power generated by PV Array ,the UP time of the pump during the year, number of days the pump was unused or under breakdown/repairs.

The following details should be marked indelibly on the motor pump set

- a. Name of the Manufacturer or Distinctive Logo.
- b. Model Number.
- c. Serial Number.
- d. The delivery pipe (GI/HDPE), electric cables, floating assembly, civil work and other fittings required to install the Motor pump set.

V. MOUNTING STRUCTURES AND TRACKING SYSTEM.

The PV modules should be mounted on metallic structures of adequate strength and appropriate design at least 3 mtr high above GL, which can withstand load of modules and high wind velocities up to 200 km per hour. The support structure used in the pumping system should be hot dip galvanized iron with minimum 80 micron thickness.

To enhance the performance of SPV water pumping systems, manual or passive or auto tracking system must be used. For manual tracking, arrangement for seasonal tilt angle adjustment and three times manual tracking in a day should be provided.

VI. ELECTRONICS AND PROTECTIONS

- Maximum Power Point Tracker (MPPT) should be included to optimally use the Solar panel and maximize the water discharge so as to achieve the desired water output.

VII. ON/OFF SWITCH

A good reliable switch suitable for AC/ DC use is to be provided with the motor pump set. Sufficient length of cable should be provided for inter-connection between the PV array and the motor pump set. The system should also have sensor to stop the motor in case the bore become dry or the water tank start over flowing.

VIII. WARRANTY.

The PV Modules must be warranted for output wattage, which should not be less than 90% at the end of 10 years and 80% at the end of 25 years. The whole system including submersible/ surface pumps shall be warranted for 5 years. Required Spares for trouble free operation during the Warranty period should be provided along with the system. The pumps used for solar application should have a 5 year warranty and 10 years service life and therefore it is essential that the construction of the pump be made using parts which have a much higher durability and do not need replacement or corrode for at least 5 years.

IX. OPERATION AND MAINTENANCE MANUAL

An Operation and Maintenance Manual, in English and the local language, should be provided with the solar PV pumping system. The Manual should have information about solar energy, photovoltaic, modules, DC/AC motor pump set, tracking system, mounting structures, electronics and switches. It should also have clear instructions about mounting of PV module, DO's and DONT's and on regular maintenance and Trouble Shooting of the pumping system. Name and address of the person or Centre to be contacted in case of failure or complaint

should also be provided. A warranty card for the modules and the motor pump set should also be provided to the beneficiary.

X. NOTES

- The type of pump set used must match the total dynamic head requirement of the site (i.e. the location at which it is installed). Moreover, it should be appropriately tested and certified by the authorized test centres of the Ministry to meet the performance and water discharge norms specified in section II above.
- There should not be any compulsion to use only one or the other type of Motor pump set. The beneficiary may select an appropriate Model (i.e. capacity of PV Array and Type of Motor Pump set) as per site requirement.

• Indicative Technical Specifications

Description	Model
PV array	900/1800Wp per Hp(DC)
Motor capacity	1 HP/2HP submersible B.L.D.C. with electronic controller
Max. Shut Off Head	120/100 metres
Module mounting structure (3 m above ground level)	MS hot dipped galvanised, at least three times manual tracking facilities
Water Output	For 1HP 5,000 litres/2HP 7000 per hour from a total dynamic head of 90 metres

*. Water output figures are on a clear sunny day under the average daily "Solar Radiation" condition of 7.15 KWH/sq.m on the surface of PV array (i.e. coplanar with the PV Modules).

Notes:

- a. For higher or lower head / PV capacity, or in between various models; water output could be decided as per the clause II. (i.e. performance specifications and requirements) specified earlier.

Technical Specifications of :

1. GI/ RCC OHT Structure,
2. Rising Main
3. Distribution System
4. Civil work
5. Water storage tank
6. Information board

1. GI/RCC OHT Structure:-

- Design and drawings of the structure and foundation are enclosed.

2. Rising main.

- Rising Main consists of UPVC Column pipes including PVC Socked (Coupler) as per concerned IS code.
- For Inlet of tank proving & laying of ISI mark GI pipe of medium class 25-32 mm Dia. Including one end coupling for full length pipe. As per IS 1239 / 2004

3. Distribution (as per BOQ)

Distribution system consists of pipe line from water storage tank to common stand posts or Individual Tap Connection. Details are as below:

Particulars	OD	PE	PN	Code	Remarks
HDPE	80mm	100	10	IS 4984	Rising Main
HDPE	63mm	100	10	IS 4984	Rising Main
HDPE	50mm	80	08	IS 4984	Distribution
HDPE	40mm	80	08	IS 4984	Distribution
HDPE	32mm	80	08	IS 4984	Distribution
MDPE	20mm	80	10	IS 4427	Distribution

- Providing and supplying and laying, in standard length ISI mark HDPE Pipe of ISI 4984/14151/12786/13488, ISO 1427, DIN- 8074 PE-80, PN.10/IS 1239/2004 or G.I (confirming relevant I.S code) Pipe suitable for potable water with solvent cement joint including couplers as per IS specification no 4985/1988 or as per requirement .
- Providing & construction required House connection as per approved in BOQ.
- For Outlet of tank providing & laying of ISI mark GI pipe of medium class 32 mm Dia. Including complete with one end coupling for full length pipe. As per IS 1239 / 2004.
- For Outlet of tank supplying & installing gun metal gate valve of size of 32 mm Dia.
- Supplying & erecting heavy duty GI Union in position with necessary material for 25 mm Dia, 32 mm Dia.

4. Civil Work

- Civil work essential for construction of Overhead Tank Structure as per local site conditions and soil formation.
- Civil work essential for erection and skirting of House Connection.
- Civil work essential for construction of new hand pump.
-

5. Water Storage Tank

Construction of HDPE 2000L, 5000L/RCC OHT 4000ltr. 6M Staging/ 8000 ltr. 8M Staging/12000ltr. 10M staging/ 16000Ltr. 12M Staging having utility room at ground level will be done as per relevant IS code and approved model design by Department/S.E.

Executive Engineer,
D. W. & S. Division,
Jamshedpur

Declaration by the Bidder

(To be submitted in the official letter head of the company)

I/We (herein after referred to as the Bidder) being desirous of tendering for the contract for work under the above mentioned tender and having fully understood the nature of the work and having carefully noted all the terms and conditions, specifications etc. as mentioned in the tender document, DO HEREBY DECLARE THAT

1. The Bidder is fully aware of all the requirements of the tender document and agrees with all provisions of the tender document.
2. The Bidder is capable of executing and completing the work as required in the tender.
3. The Bidder accepts all risks and responsibilities directly or indirectly connected with the performance of the tender.
4. The Bidder has no collusion with any employee of the Department or with any other person in the preparation of the bid.
5. The Bidder has not been influenced by any statement or promises of the Department or any of its employees, but only by the tender document.
7. The Bidder is financially solvent and sound to execute the work.
8. The Bidder is sufficiently experienced and competent to perform the contract to the satisfaction of the Department.
9. The information and the statements submitted with the tender are true.
10. The Bidder is familiar with all general and special laws, acts, ordinances, rules and regulations of the Municipal, District, State and Central Government that may affect the work, its performance or personnel employed therein.
11. The Bidder has not been debarred from similar type of work by any SNA/Government Department /PSU.
12. This offer shall remain valid for six months from the date of opening of the tender.
13. The Bidder gives the assurance to execute the tendered work as per specifications, terms and conditions.
14. The Bidder confirms the capability to supply and install the required number of systems per month.
15. The Bidder accepts that the earnest money will be forfeited by the Department if the Bidder fails to undertake the work or sign the contract within the stipulated period.

(Signature of Authorized Signatory)

Name:

Designation:

Company Seal:

CHECK LIST

1. Name of the Tenderer :
2. Tenderer's Valid Registration No. and Date in :
DW&SD, Jharkhand and UCAN (Attested
photocopy of original Registration to be
enclosed),
3. Cost of Tender Documents :
4. Amount & shape of Earnest Money enclosed
5. Certificate of registration under GST act and :
valid / up to date GSTR – 07. (Attested
photocopy of such certificates duly signed &
stamped by the tenderer to be enclosed),
6. Valid Character Certificate :
7. Last three Assessment years' ITR :
Acknowledgement and audit report with profit
& loss account and balance sheet issued by a
registered chartered accountant duly signed,
stamped by the tenderer and attested by
Notary Public or a gazetted office to be
enclosed,
8. Copies of experience certificates duly signed
by tenderer and attested by Notary Public or a
gazetted officer,
9. Duly executed Affidavit on a Non Judicial
stamp of Rs.100.00 & attested by Notary
Public

NOTE:

- i. Attestation must be done by a Gazetted officer or Notary Public.
- ii. Nothing extra should be written on this page except as asked for.

Signature of the Tenderer

घोषणा-पत्र

अधोहस्ताक्षरी मैं,, पेयजल एवं
स्वच्छता विभाग, झारखण्ड में रजिस्ट्रेशन संख्या,
मोबाईल संख्या, ई-मेल आई.डी.,
आवास/कार्यालय पता-

ने पेयजल एवं स्वच्छता प्रमण्डल, द्वारा आमंत्रित निविदा आमंत्रण संख्या.....
..... के ग्रुप संख्या में भाग लिया है।

इस सम्बन्ध में मैं यह घोषणा करता हूँ कि मेरे द्वारा/मेरे फर्म द्वारा निर्मित जलापूर्ति योजना में
अधिष्ठापित सोलर पैनल, सोलर मोटर-पम्प सेट, सेन्सर युक्त Auto On/Off controller system सहित किसी
भी अवयव में (निर्माण पूर्ण होने की तिथि से गारंटी पीरियड/परिचालन एवं मरम्मत अवधि के अन्दर)
खराबी की सूचना मिलने पर 72 घंटों के अन्दर उसका निराकरण करवा दूँगा। ऐसा नहीं करने की स्थिति
में मुझे अगले निविदाओं में भाग लेने से वंचित किये जाने पर मैं कोई आपत्ति नहीं करूँगा।

स्थान:

तिथि:

निविदादाता का हस्ताक्षर

Beneficiary's Name:.....	Head/Scheme:.....URBAN DEPOSIT.....	Code No.....
Block:..... Ward No.....	Mohalla.....	Total:.....

DRILL LOG

Tube well site Location details:

Division:

Date		Strata Chart		Drilling		Water Strike/Touch	Rig Details
From	To	Depth (m)	Litho Section (Type of formation Encountered)	Overburden	Rock formation	Water Yield	Registration No:..... Model/Make:.....
				Bit Dia = From..... mm to mm Commenced Date..... Time..... Stopped Date..... Time..... Depth of Overburdenm Firm rock encountered at depth for casing sealingm Any water source in overburdenyes/No If yes, Depth of water sourcem	Bit type Bit Dia. = From..... mm to mm Commenced Date..... Time..... Stopped Date..... Time..... If the bit was changed at any depthm Size.....mm Reason for changing	1st water touchm 2nd water touchm 3rd water touchm 4th water touchm Any dry fracture/hollow zone encountered, if yes at what depthm Any air loss/water loss, if so Depthm tom Well Development Duration of flushinghrs. Discharge beforeinch/cm after.....inch/cm Final Yield (90° V-notch)inch/cm	Type: DTH/Rotary/Combination Max. Capacity.....m Available Drill Roadsm Drill rod Diamm Length of each Rodm Hammer: Type:..... Length with bit:.....m Pressure rating:.....psi Compressor : Model/Make..... Type Rotary/Piston/Screw Pressure rating Max.....psi Min.....psi Discharge rating Max.....psi Min.....psi
				Casing Type PVC/MS/GI/HDPE Dia.....mm Inner Dia.....mm Outer Lengthm Joint Couple/Welded		Water Level Below ground level	
Remarks:.....gph Signature of Engineer in charge of drilling rig/activity for drilling Agency/Driller Date:				Well Cap Type : Welded/threaded/push-fit Total Depth metres Final Yield Water Level m(bgl) Seal and Signature of Authorized Person Counter Sign of AE Sub-Division Date:.....			

पेयजल एवं स्वच्छता विभाग

सहायक अभियंता, पेयजल एवं स्वच्छता अवर प्रमंडल

उच्च प्रवाही ग्रेवल पैक्ट/डी0टी0 नलकूप निर्माण का माप प्रमाण-पत्र

1. प्रखंड :-

2. पंचायत:-

3. ग्राम/टोला:-

4. निकटवर्ती का नाम:-

नलकूप का ब्यौरा

1. ड्रिल्ड नलकूप की गहराई:-

2. केसिंग पाईप की गहराई:-

3. हैण्ड पम्प स्थापना कार्य पूर्ण एवं नाली की लम्बाई:-

4. राईजर पाईप की लम्बाई:-

5. Bore well का Discharge:-

ग्राम जल एवं स्वच्छता समिति के सदस्यों
का हस्ताक्षर/निकटवर्ती का हस्ताक्षर।

1.

2.