

Government of Jharkhand
Drinking water and Sanitation Department

Certified Copy

21/11/23
Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi



Name of work :-

“Detailed Survey, Designing and drawing, Construction of 71 nos. Different Single Village Schemes (SVS) models along with their components including supplying and Installation of Solar DC Motor-Pump with required solar panel and compatible Remote Monitoring Systems (RMS) with provision of 2039 nos. of Functional Household Tap Connection (FHTC) and Five Years Operation & Maintenance with allied works etc. all complete job in 9 nos. villages in Block Kanke Cluster no. – 10A(ii) under D.W. & S. Division, Ranchi West, Ranchi on turnkey basis.”

Agreement Value

Rs.7,31,98,425.22 (Rs. Seven Crore Thirty One Lakh ninety Eight Thousand Four Hundred Twenty Five and Twenty Two Paise) Only

Agreement No.

SBD - 52 / 2023 - 24, dt - 21.11.2023

Date of Completion

:- Nine Month. (including Three Month Trial & Run)

Work Order No.

7/SVS-02-352/2022-3591, Dated - 12.07.2023

Sanction Order No.

167(Swi) Dated 30.11.2021
Rs. - 755.70900 Lakh

Anil Singh, Narayanpur, Near Reliance Petrol Pump, Tandwa, Garhwa,
Jharkhand

Anil Singh

AS

Proprietor

sld
Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi



Government of Jharkhand

Receipt of Online Payment of Stamp Duty

NON JUDICIAL

Receipt Number : 649711373d37fefabadf

Receipt Date : 21-Aug-2023 09:40:50 am

Receipt Amount : 100/-

Amount In Words : One Hundred Rupees Only

Document Type : Agreement or Memorandum of an Agreement

District Name : Ranchi

Stamp Duty Paid By : ANIL SINGH

Purpose of stamp duty paid : AGREEMENT

First Party Name : EXECUTIVE ENGINEER DWSD WEST RANCHI

Second Party Name : ANIL SINGH

GRN Number : 2318851182

- This stamp paper can be verified in the jharnibandhan site through receipt number :-



This Receipt is to be used as proof of payment of stamp duty only for one document. The use of the same receipt as proof of payment of stamp duty in another document through reprint, photo copy or other means is penal offence under section-62 of Indian Stamp Act, 1899

इस रसीद का उपयोग केवल एक ही दस्तावेज पर मुद्रांक शुल्क का भुगतान के प्रमाण हेतु ही किया जा सकता है। पुनः प्रिन्ट कर अथवा फोटो कॉपी आदि द्वारा इसी रसीद का दूसरे दस्तावेज पर मुद्रांक शुल्क का भुगतान के प्रमाण हेतु उपयोग भारतीय मुद्रांक अधिनियम, 1899 की धारा 62 अन्तर्गत दण्डनीय अपराध है।

S/O
Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi

Anil Singh

Proprietor

Agreement Form

Agreement

This Agreement, made the 21 day of NOV..... 2023 between *Drinking Water and Sanitation Division, Ranchi West, Ranchi* (Name and Address of Employer) [Hereinafter called "the Employer"] and *Anil Singh, Narayanpur, Near Reliance Petrol pump, Tandwa, Garhwa, Jharkhand* (Name and address of Contractor) hereinafter called "the Contractor" of other part.

"Detailed Survey, Designing and drawing, Construction of 71 nos. Different Single Village Schemes (SVS) models along with their components including supplying and Installation of Solar DC Motor-Pump with required solar panel and compatible Remote Monitoring Systems (RMS) with provision of 2039 nos. of Functional Household Tap Connection (FHTC) and Five Years Operation & Maintenance with allied works etc. all complete job in 9 nos. villages in Block Kanke Cluster no. - 10A(ii) under D.W. & S. Division, Ranchi West, Ranchi on turnkey basis."

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement. Word and expression shall have the same meanings as are respective assigned to them in the conditions of contract hereinafter referred to and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer the Contractor as hereinafter mentioned the Contractor hereby, covenants with the Employer to execute and completes the Works and remedy any defects therein in conformity in all aspects with the provision of the contract.
3. The Employer hereby covenants to pay the contractor in consideration of the execution and completion of the Work and the remedying the defects wherein Contract Price or such other sum as may become payable under the provisions of the Contract at the time and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be ready and construed as part of this Agreement viz.
 - (i) Letter of Acceptance
 - (ii) Notice to proceed with the works;
 - (iii) Contractor's Bid
 - (iv) Condition of Contract: General and Special
 - (v) Contract Data
 - (vi) Additional condition
 - (vii) Drawings
 - (viii) Bill of Quantities and
 - (ix) Any other document listed in the Contract Data as following part of the Contract.

In witnessed where of the parties there to have caused this Agreement to be executed the day and year first before written.

Anil Singh

AS

Proprietor

Shri 12/11/23
Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi

The Common Seal of _____ was hereunto affixed in the

presence of :

Signed, Sealed and Delivered by the said

in the presence of:

Binding Signature of Employer's Representative

Binding Signature of Contrator

Name of Agency

Anil Singh, Narayanpur, Near Reliance Petrol Pump, Tandwa, Garhwa, Jharkhand

Agreement No.

SBD-52/2023-24

Agreement Value

7,31,98,425.22 (Rs. Seven Crore Thirty One Lakh ninety Eight Thousand Four Hundred Twenty Five and Twenty Two Paise) Only

Date of Work Order

12.07.2023

Date of Commencement of Work

21.11.2023

Value of Work

7,31,98,425.22 (Rs. Seven Crore Thirty One Lakh ninety Eight Thousand Four Hundred Twenty Five and Twenty Two Paise) Only

Time of Completion

Nine Months. (including three month trial & run)

Date of Tender

AND THE EMPLOYER HAS ACCEPTED THE BID BY THE CONTRACTOR FOR THE EXECUTION AND COMPLETION OF SUCH WORK AND THE RECTIFYING OF ANY DEFECTS THEREIN AT A COST OF RS.....

Anil Singh
Proprietor

Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi

Anil Singh
Proprietor

Government of Jharkhand
Drinking Water and Sanitation Department

Letter of Acceptance

Letter No:-7/SVS-02-352/2022- 3591

/Ranchi, Dated- 12/7/23

From,

Raghunandan Prasad Sharma,
Engineer-in-Chief,
Drinking Water & Sanitation Department,
Nepal House, Doranda, Ranchi (Jharkhand) – 834002.

To,

Anil Singh,
Narayanpur, Near Reliance Petrol Pump,
Tandwa, Garhwa, Jharkhand- 822114.

Sub:-

“Detailed Survey, designing and drawing, Construction of 71 nos. Different Single Village Schemes (SVS) models along with their components including Supplying and Installation of Solar DC Motor-Pump with required solar panel and compatible Remote Monitoring Systems (RMS) with provision of 2039 nos. of Functional Household Tap Connection (FHTC) and Five Years Operation & Maintenance with allied works etc. all complete job in 9 nos. villages in Block Kanke Cluster no.- 10A(ii) under D.W. & S. Division, Ranchi West, Ranchi on turnkey basis.”

- Reference:-
1. Tender P.R. No.- 295428.
 2. Tender Received on 18.04.2023
 3. Tender Committee meeting (Tech Bid) held on 01.06.2023
 4. Rate Bid opened 03.07.2023
 5. Tender Committee meeting (Rate Bid) held on 07.07.2023
 6. Departmental sanction order no.- 167 (स्वी०), dated- 30.11.2021.

Dear Sir,

With reference to the above subject, it is to inform you that your Bid dated 18.04.2023 for execution of the work “Detailed Survey, designing and drawing, Construction of 71 nos. Different Single Village Schemes (SVS) models along with their components including Supplying and Installation of Solar DC Motor-Pump with required solar panel and compatible Remote Monitoring Systems (RMS) with provision of 2039 nos. of Functional Household Tap Connection (FHTC) and Five Years Operation & Maintenance with allied works etc. all complete job in 9 nos. villages in Block Kanke Cluster no.- 10A(ii) under D.W. & S. Division, Ranchi West, Ranchi on turnkey basis.” For the Contract Price of Rupees 7,31,98,425.22 (Rs. Seven Crore Thirty One Lakh Ninety Eight Thousand Four Hundred Twenty Five and Twenty Two Paise) Only as corrected and modified in accordance with the instructions to Bidders is hereby accepted by our Department. The quoted rate is corrected from Rs. 7,37,99,370.28 to Rs 7,31,98,425.22 as per negotiation with you i.e, Rs. 6,00,945.06 less

Anil Singh

AS

Proprietor

S/O
Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi

2. You will have to enter into agreement with Executive Engineer, Drinking Water and Sanitation Division, Ranchi West, Ranchi within 14 days from the date of issue of this letter.
3. You are requested to furnish Performance Security for amount equivalent to Rs. 14,64,000.00 (Rupees Fourteen Lakh Sixty Four Thousand) Only within 14 days of the receipt of this letter in the form of Bank Guarantee/fixed deposit receipt issued by any Nationalized / Schedule Commercial Bank / T.D. Pass Book / N.S.C. and Valid for a minimum period 21(Twenty One) months 28 days from start date (Clause-52.1), at the time of execution of agreement. The security Money will be duly pledged in favour of the Executive Engineer, Drinking Water and Sanitation Division, Ranchi West, Ranchi.
4. You will have to furnish a separate performance guarantee for an amount for Operation & Maintenance period equivalent to Rs. 94,000/- (Rupees Ninety Four Thousand) only in the form of Bank guarantee / Fixed deposit receipt issued by any Nationalized / Scheduled commercial Bank / T.D. Pass Book / NSC before expiry of defect liability i.e, 21 months (9+12 DLP) and Valid for a Minimum period of 48 Months from end of defect liability period. The Security money will be pledged in favour of this Executive Engineer, Drinking Water & Sanitation Division, Ranchi West, Ranchi. If performance guarantee is not furnished as per the time line given above, 50% of security money which has to be returned after defect liability period will not be returned until the performance guarantee for O&M is furnished.
5. You have to open a site office at any suitable place within cluster/ project area and address of the site office has to be communicated to Executive Engineer and Superintending Engineer concerned.
6. You have to deploy technical and Social Human Resource and others as mentioned in B.O.Q. and CV of HR to be deployed has to be submitted to Superintending Engineer, D.W. & S. Circle, Ranchi.
7. The work will be executed by concerned Division under the overall supervision of Superintending Engineer, D.W. & S. Circle, Ranchi.
8. Payment for the work will be made by the Executive Engineer, D.W. & S. Division, Ranchi West, Ranchi as per terms and payment schedule given in the Bid Document.
9. The Payment related to of Solar installation work/ Electro-mechanical work will be paid only after verification of concerned Executive Engineer DW& S. and Supervision of these works will be carried out by him.
10. The total completion time for the entire work (Coverage of 9 nos. of villages with 2039) is 9 (nine) calendar months from the date of agreement including 30 days trial & run and thereafter Five years Operation & Maintenance work.
11. The work is to be completed as per the approved terms / conditions and specifications. All the works has to the executed as per department specification, CPHEEO manual, PWD Code and relevant IS codes.
12. For execution purpose village will be considered as unit which may consist more than one SVS model. Village/Tola wise designs, drawings and estimates are to be Technically Sanctioned as per the ground conditions before execution of the work by the competent authority. The design and drawing has to be submitted by you to the concerned Executive Engineer and they will send it for approval to the competent authority.

Anil Singh

AS
Proprietor

Sd/-
Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi

13. The NIT, Bid Document, Proceeding of pre-bid meetings and all other related tender documents, modifications shall be the part of the agreement.
14. During the execution of work any guidelines related to this work, if issued by the Department will be considered as part of the Agreement.
15. Quality of work has to be ensured by the agency as well as field officers at any cost. Solar Pump and HDPE pipes, the materials will be procured from the Agencies empanelled by the Department.
16. The scheme has been sanctioned vide sanction order no. 167 (स्वी०), dated 30.11.2021 amounting Rs. 755.70900 Lakh. The expenditure should be limited to this amount only.
17. Within one month of agreement Executive Engineer, Drinking Water and Sanitation Division, Ranchi West, Ranchi will submit a mutually agreed work execution programme to H.Q.
18. Letter no. 693/SWSM, dated- 11.8.21, Letter No.-336, (CDO), dated- 27.02.2021, Letter No.-898 (CDO), Dated- 04.08.2021 and Letter- 1317, dtd.- 21.10.21 issued by the Department shall also be a part of agreement which is attached herewith.
19. The payment for O&M of each SVS during the period of 5 years of maintenance will be made on the basis of relevant data of RMS/log book as per details given in approved estimate of the scheme.
20. Agency shall facilitate VWSC to participate in site selection, in getting approval of Gram Sabha and O&M contribution for areas falling under VWSC; Following direction should be complied with:-
 - (i) Facilitation of VWSC during the Operation of Scheme in collection of water tax and security money, for this separate Bank Account will be maintained by VWSC. On completion of work, scheme should be handed over to VWSC. VWSC will maintain Operation & Maintenance work after expiry of O&M period.
 - (ii) At the time of pipe line laying collection of application for house connection will be done by VWSC which will be facilitated by you. You shall deploy social coordinator for this purpose.
 - (iii) Open Stand post shall not be provided. Closed work Kiosk may be provided which will be maintained by VWSC on user charge basis.
 - (iv) There 2039 nos. (Two Thousand Thirty Nine) house connections in 9nos. villages in Block Kanke Cluster no.- 10A(ii).

Enclosure:-As above.

S/d
**Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi**

Yours faithfully,

Engineer-in-Chief

D.W.&S.D., Jharkhand, Ranchi.

Anil Singh

Proprietor

Letter No:- 7/SVS-02-352/2021-
Copy Forwarded to :-

3591

/Ranchi, Dated-

12/7/23

1. The Executive Engineer, Drinking Water & Sanitation Division, Ranchi West for information.
 - i. Executive Engineer, D.W. & S. Division, Ranchi West is directed to verify the performance security submitted by the bidder in shape of Bank Guarantee / Fixed deposit receipt issued by any Nationalized / Schedule Bank / T.D. Pass Book / N.S.C. before entering into the agreement.
 - ii. Executive Engineer, D.W. & S. Division, Ranchi West will ensure the availability of all the sites for construction.
 - iii. Executive Engineer, D.W. & S. Division, Ranchi West is directed to take performance security addition to above (i) as per ITB clause 29.5 after evaluation of rate bid, if required.
2. The Superintending Engineer, DW&S Circle, Ranchi for information & necessary action.
3. The Regional Chief Engineer, Ranchi / Chief Engineer, Central Design Organization (CDO), Ranchi for information
4. P.S. to Secretary, Drinking Water & Sanitation Department, Jharkhand for information.
5. P.S. to Hon'ble Minister, Drinking Water & Sanitation Department, Jharkhand, Ranchi for information.

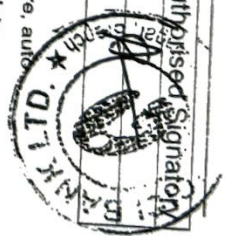
10.07.23
Engineer-in-Chief

D.W.&S.D., Jharkhand, Ranchi.

S/A
Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi

Anil Singh
Proprietor

Date of Lien	14-8-2023	Lien in favour of	PLEDGE TO EE DW and S. Division Ranchi West.	Authorised Signatory		Date of Lifting Lien		Authorised Signatory	
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Terms and Conditions

Fixed Deposits shall be opened under auto renewal mode unless specified otherwise. Customers may opt for auto closure, auto renewal or provide any other maturity instructions with respect to the deposit until two working days prior to the maturity date. If a deposit is pre-maturely withdrawn, interest and the applicable penalty would be calculated based on the Bank's prevailing policy at the time of encashment.

Premature withdrawal of jointly held fixed deposits shall be processed only after all the signatories have signed the encashment instruction and in accordance with the operating instructions along with relevant documents as specified by the Bank from time to time.

This Fixed Deposit Receipt shall become invalid upon the closure, pre mature withdrawal or renewal of this Fixed Deposit.

This Fixed/Term Deposit Receipt cannot be assigned, transferred, pledged or given as security (for any loan/credit facility) in favour of any party except ICICI Bank.

In case of cumulative deposits on renewal, the new deposit amount shall consist of original principal amount plus interest less TDS if any, less compounding effect of TDS.

As per the Income Tax Act, 1961, every person who receives income on which TDS is deductible shall furnish his PAN, failing which TDS shall be deducted at applicable rates as per prevailing income tax guidelines for domestic deposits and for NRO deposits. As per the stipulations of the CBDT, in the case of non-submission of PAN:

- o Penal TDS is chargeable
- o TDS certificate will not be issued
- o Forms 15G/H will not be accepted.

Tax is deducted at source on interest on fixed deposit held by the deposit holder if the interest paid or payable by the Bank for the financial year exceeds the threshold limit specified by Income Tax Act, 1961.

A fresh Form 15G/H needs to be submitted in each new Financial Year. In the case a Form 15 G/H is submitted after interest payout, waiver shall be effective from the day next to the interest payout immediately preceding the date of submission of Form 15G/H.

The terms specified herein above are in addition to and not in derogation of the terms and conditions governing ICICI Bank Fixed Deposits for which please visit www.icicibank.com. For terms and conditions applicable to Non Resident Deposits please visit www.icicibank.com/nri.

INSTRUCTIONS REGARDING DISPOSAL OF PROCEEDS

Renewal

Renew the deposit (maturity value) for a period of _____ months and _____ days

Closure on Maturity

Close the FD on maturity date _____ (DDMMYYYY) and pay the proceeds by DD/ Credit to Operative Account _____ / NEFT/ RTGS to Account _____ with _____ Bank having IFSC Code _____

Premature/ Partial closure of FD

Prematurely close the FD on _____ (DDMMYYYY) and pay the proceeds by DD/ Credit to Operative Account _____ / NEFT/ RTGS to Account _____ with _____ Bank having IFSC Code _____

Partially withdraw Rs. _____ / NEFT/ RTGS to Account _____ to Operative Account _____ / NEFT/ RTGS to Account _____ on _____ Bank having IFSC Code _____

Premature Penalty as applicable shall apply.

ROG_SR143938309_05022019

Signature of Account Holder(s)
In case of availing facility against OD

Anil Singh
Proprietor

Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi

ANIL SINGH

GOVT. CIVIL CONTRACTOR & GENERAL ORDER SUPPLIER

-PERMANENT ADDRESS-

VILLAGE- MURHI, POST- DARIGAON,
PS- SASARAM, DISTRICT- ROHTAS, BIHAR- 821113

-PRESENT ADDRESS -

NARAYANPUR, NEAR RELIANCE PETROL PUMP, TANDWA,
GARHWA, STATE- JHARKHAND - 822114

PAN- CVGPS8742C, GST- 10CVGPS8742C1ZO

Email:- a.8292anilsingh@gmail.com

MOB.- +91 8292172547

Date.....

FORM OF BID

BID TO : EE, DWSD RANCHI WEST

ADDRESS : RANCHI WEST, JHARKHAND, (RANCHI)

1. We offer to execute the Works described above and remedy any defects therein in conformity with the conditions of Contract, specification, drawings, Scheduled Items of SVS, Bill of Quantities and Addenda for the of "IMPLEMENTATION OF CLUSTER WISE SINGLE VILLAGE WATER SUPPLY UNDER JAL JEEVAN MISSION FOR CLUSTER - 10A (II), DWSD/RW/SVS-05/2021-22(8TH CALL), 2023_DWSD_69750-2
2. We undertake, if our Bid is accepted, to commence the Works as soon as is reasonably possible after the receipt of the Engineer's notice to commence, and to complete the whole of the Works comprised in the Contract within the time stated in the document.
3. We agree to abide by this Bid for the period of 120 days from the date fixed for receiving the same, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.
4. Unless and until a formal Agreement is prepared and executed this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.
5. We understand that you are not bound to accept the lowest or any tender you may receive.

Dated this 25 day of APRIL 2023

Signature Anil Singh in the capacity of- **ANIL SINGH**

duly authorized to sign bids for and on behalf of **ANIL SINGH**
(in block capitals or typed)

Address- **PERMANENT- MENTIONED ABOVE ON LETTERHEAD**

Witness

Occupation-business – contract work

S/d
Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi

Anil Singh

AS

Proprietor

झारखंड सरकार
पेयजल एवं स्वच्छता विभाग

पत्रांक- 08/NRDWP-43/2013

4003

सीधी, दिनांक - 25/9/13

प्रेषक : सुधीर प्रसाद
अपर मुख्य सचिव

सेवा में,
सभी अधीक्षण अभियंता,
पेयजल एवं स्वच्छता विभाग,
झारखंड सरकार।

विषय : बहु पंचायत ग्रामीण जलापूर्ति योजनाओं (Multi Panchayat Rural Water Supply Scheme) के संबंध में।

महाशय,

राज्य में ग्रामीण जलापूर्ति योजना की संख्या में लगातार वृद्धि हो रही है। योजना के पूर्ण होने के बाद उनको दो साल तक रख-रखाव संवेदक को करना है जिसमें एक वर्ष Defect Liability Period शामिल है। इस अवधि में VWSC की भूमिका निम्न रूपेण होगी:-

1. बहुपंचायत जल एवं स्वच्छता समिति (Multi Panchayat Water & Sanitation Committee) का गठन:-

बहुपंचायत ग्रामीण जलापूर्ति योजनाओं के लिए एक बहु पंचायत जल एवं स्वच्छता समिति (Multi Panchayat Water & Sanitation Committee) गठित की जायेगी जो निम्नरूपेण होगी:-

- सभी पंचायतों के मुखिया/सभी उप मुखिया।
- सभी VWSC के सभी जल सहिया में से मनोनीत 50 प्रतिशत सदस्य।
- जिस पंचायत में, योजना से सर्वाधिक जल संयोजन है, उसके मुखिया समिति के अध्यक्ष होंगे।
- दूसरी ऐसी पंचायत जिसमें योजना से जल संयोजन की संख्या दूसरा सर्वाधिक है उसके मुखिया/उप-मुखिया समिति के सचिव होंगे।
- जिस पंचायत के मुखिया बहु पंचायत जल एवं स्वच्छता समिति (Multi Panchayat Water & Sanitation Committee) के अध्यक्ष हैं उसकी जल सहिया - संयोजक सह कोषाध्यक्ष (जिसे मुखिया मनोनीत करेंगे) होंगी।
- संबंधित पंचायत के Cluster Coordinator इस समिति के परामर्शी होंगे, जो समिति की बैठक आयोजित करने एवं कार्यान्वयन में मदद करेंगे।

Anil Singh

Proprietor

Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi

- vii. संबंधित सहायक अभियंता/कनीय अभियंता समिति के प्रत्येक 4000 शामिल होंगे तथा बैठक में सहयोग करेंगे।
- viii. समिति के भीटिंग में एक तिहाई सदस्यों की उपस्थिति में कोरम को पूरा माना जायेगा, अन्यथा अगली भीटिंग के लिए प्रस्ताव पारित किया जायेगा। अगली बैठक में कोरम की बाध्यता नहीं रहेगी।
- ix. बहु पंचायत जल एवं स्वच्छता समिति का एक बैंक खाता खोला जायेगा। O & M की राशि कार्यपालक अभियंता के द्वारा इसी खाते में हस्तांतरित किया जाएगा, जिसकी निकासी अध्यक्ष, सचिव या कोषाध्यक्ष में से किन्हीं दो के हस्ताक्षर से हो सकेगा।
- x. समिति की भीटिंग माह में कम से कम एक बार आयोजित की जायेगी, जिसकी पूर्व सूचना सदस्यों को एक सप्ताह पूर्व दी जायेगी।
- xi. समिति में 50 प्रतिशत सदस्य महिलाएँ होंगी और कुल सदस्य संख्या में 1/3 कमजोर वर्ग से होंगे।

2. बहु पंचायत ग्राम जल एवं स्वच्छता समिति (MPWSC) का कार्य:-

- i. O & M में कौमन अवयव का खर्च का वहन करने हेतु VWSC वार राशि का निर्धारण बहु पंचायत जल एवं स्वच्छता समिति (MPWSC) के द्वारा गृह संयोजन के अनुपात में किया जाएगा।
- ii. बहु पंचायत जल एवं स्वच्छता समिति (MPWSC) के द्वारा जलापूर्ति से संबंधित समस्याओं के निराकरण हेतु निम्नलिखित प्रावधान किया जाएगा:-
- (क) जलापूर्ति से संबंधित शिकायतों को जल संहिया के द्वारा VWSC से प्रमाणित शिकायत पंजी में अंकित किया जायेगा और अधिकतम तीन कार्य दिवसों के अन्दर VWSC के द्वारा उक्त शिकायतों का निराकरण किया जायेगा।
- (ख) बहु पंचायत जल एवं स्वच्छता समिति (MPWSC) समय-समय पर शिकायत पुस्तिका का अवलोकन करेगी, ताकि योजना के प्रदर्शन में सुधार हो और उपभोक्ताओं से बेहतर रिश्ता कायम हो सके।
- iii. बहु पंचायत जल एवं स्वच्छता समिति (MPWSC) परियोजना से संबंधित सभी VWSC के बीच बेहतर सामंजस्य कायम करने का कार्य करेगी और विवादों का निवटारा करेगी।
- iv. बहु पंचायत जल एवं स्वच्छता समिति (MPWSC) के द्वारा योजना में शामिल सभी गाँवों में निर्बाध और समानुपातिक जलापूर्ति की सुनिश्चित किया जाएगा।
- (v) बहु पंचायत जल एवं स्वच्छता समिति (MPWSC) कौमन अवयव के O & M के लिए जिम्मेदार होगा। इसके लिए राशि का निर्धारण उपर्युक्त अनुच्छेद -9 के क्रमांक-1 के अनुरूप होगा।

Anil Singh

Proprietor

sla
Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi

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- (vi) बहु पंचायत जल एवं स्वच्छता समिति (MPWSC) के द्वारा जलापूर्ति योजना को सुचारु रूप से चलाने के लिए संबंधित VWSC को नए संयोजन, अवैध कनेक्शन, जलकर चोरी और अनियमित भुगतान से संबंधित दिशा-निर्देश समय-समय पर दिया जाएगा।
- (vii) योजना के विस्तार और विभाग से अनुमोदन लेने की जिम्मेवारी बहु पंचायत जल एवं स्वच्छता समिति (MPWSC) की होगी।
- (viii) बहु पंचायत जल एवं स्वच्छता समिति (MPWSC) के द्वारा अपना वित्तीय प्रतिवेदन तैयार किया जाएगा तथा उसे जिला जल एवं स्वच्छता समिति (DWSC) को समर्पित किया जाएगा।
- (ix) कार्यपालक अभियंता के द्वारा O & M से संबंधित राशि बहु पंचायत जल एवं स्वच्छता समिति (MPWSC) के खाते में जमा किया जाएगा।

3. समान्य निर्देश:-

योजना पूर्ण तभी मानी जायेगी, जब निम्न शर्तें पूरी हो जाती हैं।

- i. योजना को Commission करते समय योजना का लक्षित गृह संयोजन का कम से कम 50 प्रतिशत पूर्ण होना चाहिए।
 - ii. शेष 50 प्रतिशत गृह संयोजन को अगले छः माह के अन्दर ही पूर्ण किया जाना चाहिए, अन्यथा Defect Liability Period को पूरा नहीं माना जाएगा।
 - iii. जल संयोजन मार्गदर्शिका का अनुसरण करते हुए गृह जल संयोजन संवेदक ही करेंगे। जिन योजनाओं के प्राक्कलन में गृह जल संयोजन का प्रावधान नहीं है उनमें दावों के आधार पर संवेदक गृह जल संयोजन का कार्य करेंगे।
 - iv. दावा की राशि का निर्धारण संबंधित अधीक्षण अभियंता द्वारा किया जायेगा एवं तत्पश्चात् निधि की अधियाचना किया जाएगा। तत्पश्चात् आवंटित राशि से उनका भुगतान किया जाएगा।
 - v. योजना के प्रावधान के अनुसार, जल दबाव एवं डिस्चार्ज की Testing होगी।
 - vi. Intra Village Testing संबंधित MPWSC के अध्यक्ष, संयोजक सह कोषाध्यक्ष तथा समिति के कम से कम 5 सदस्यों के समक्ष होगी।
 - vii. परीक्षण सफल होने पर उसी दिन योजना को संबंधित मुखिया एवं जल सहिया को सौंप दिया जायेगा।
 - viii. O & M की अवधि भी उसी दिन से आरंभ होगी।
4. खपत योग्य रसायन एवं अन्य सामग्री की आपूर्ति एवं अन्य भुगतेय मरम्मत।

- i. यह कार्य संवेदक रख-रखाव अवधि में संवेदक के द्वारा किया जाना है।
- ii. इनके भुगतान के पूर्व मुखिया/जल सहिया की सहमति अवश्य प्राप्त किया जाना चाहिए।

5. संयोजन शुल्क एवं जलशुल्क:-

- i. गृह जल संयोजन संबंधित संवेदक के द्वारा कराया जाएगा, लेकिन सभी परिवारों से जल संयोजन शुल्क न्यूनतम 310/- रूपए (सेंसस टाउन के लिये 1000/-रूपए) या ग्राम जल एवं स्वच्छता समिति द्वारा निर्धारित राशि VWSC के द्वारा वसूल कर बैंक खाते में जमा किया जाएगा।
- ii. स्टैण्ड पोस्ट नहीं लगाया जायेगा, उसके बदले यदि कोई उपभोक्ता समिति जिम्मेवारी लें तो जल क्योस्क लगाया जा सकता है। इसमें वाटर मीटर होगा। उसके मापी के अनुसार उपभोक्ता समिति जलकर का भुगतान VWSC को करेगी।
- iii. मासिक जल शुल्क योजना के चालू होने के माह से ही देय होगा जिसकी वसूली VWSC के द्वारा किया जाएगा।
- iv. इसमें संदेह नहीं होना चाहिए कि O & M अवधि में विभाग द्वारा राशि उपलब्ध कराये जाने के बावजूद भी जल संयोजन शुल्क एवं जल शुल्क देय नहीं होगा। दोनों प्रकार के शुल्क की वसूली पहले दिन से ही ग्राम जल एवं स्वच्छता समिति के द्वारा किया जायेगा।
- v. आंगनवाड़ी, बसस्टैण्ड, हाटबाजार, अस्पताल, सरकारी कार्यालय भवन एवं पंचायत भवन को भी एक उपभोक्ता मानते हुए, उनसे भी जल संयोजन शुल्क एवं जलशुल्क की राशि की वसूली ग्राम जल एवं स्वच्छता समिति के द्वारा किया जायेगा।
- vi. अवैध जल संयोजन और जलकर की चोरी रोकने के लिए VWSC कड़े कदम उठाएगी। ऐसे उपभोक्ताओं को VWSC नोटिस जारी करते हुए दंड शुल्क की मांग करेगी। VWSC की अवहेलना करने वाले उपभोक्ताओं को 15 दिनों के बाद VWSC के द्वारा जल संयोजन विच्छेद कर दिया जायेगा।

6. जमा राशि का उपयोग:-

- i. प्रत्येक जल संयोजन पर 75/- रूपये प्रोत्साहन की राशि जल सहिया को VWSC के द्वारा भुगतान किया जाएगा। ग्राम जल एवं स्वच्छता समिति के द्वारा जल सहिया को प्रोत्साहन राशि जल संयोजन शुल्क की राशि से किया जाएगा जिसकी प्रतिपूर्ति NRDWP के IEC मद से मांग के आधार पर कार्यपालक अभियंता के द्वारा VWSC के खाते में जमा कर दी जाएगी। यह व्यवस्था यहाँ भी लागू रहेगा जहाँ पर संवेदक को सूचना, शिक्षा एवं प्रसार गतिविधियों के लिये अलग मद में भुगतान किया जा रहा होगा।
- ii. जलशुल्क के मासिक वसूली के 10 प्रतिशत राशि का भुगतान जल सहिया को VWSC द्वारा किया जायेगा।

Anil Singh

Proprietor

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Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi

- iii. O & M की अवधि के बाद जलापूर्ति योजना में छोटे-मोटे विस्तार/मरम्मति, रसायन क्रय, ऑपरेटर का वेतन इत्यादि का कार्य इसी राशि से VWSC कर सकेगा।

7. कॉमन अवयव का व्यय:-

कॉमन अवयव का व्यय निम्नलिखित है:-

- (क) विद्युत विपत्र का भुगतान
(ख) ऑपरेटर का खर्च।
(ग) Chemical, Material का खर्च।
(घ) कॉमन अवयव के मरम्मति का खर्च।

8. पम्प ऑपरेटर की नियुक्ति एवं भुगतान:-

- i. पम्प ऑपरेटर सहित अन्य संबंधित व्यक्तियों की नियुक्ति संबंधित VWSC द्वारा किया जायेगा।
ii. पम्प गृह/जल मीनार एवं अन्य अवयव यदि किसी के निजी जमीन पर बना हो, तो निजी जमीन के भू-स्वामी के परिवार के किसी एक अधिकृत व्यक्ति को ऑपरेटर नियुक्त किया जायेगा।
iii. इन्हें प्रशिक्षित करने की जिम्मेवारी संवेदक की होगी।
iv. योजना में जो राशि कार्यरत ऑपरेटरों इत्यादि के लिए निर्धारित है, उसे कार्यपालक अभियंता के द्वारा सभी VWSC में गृह संयोजन के अनुपात में विभाजित किया जायेगा। तदनुसार कार्यपालक अभियंता के द्वारा संबंधित VWSC के खर्चे में जमा किया जाएगा।
v. VWSC के खाते में कार्यपालक अभियंता के द्वारा जमा कराए गये राशि से ऑपरेटर का वेतन का भुगतान किया जायेगा।

9. विद्युत विपत्र का भुगतान:-

- i. विद्युत कनेक्शन के उपभोक्ता के रूप में संबंधित VWSC का नाम अंकित किया जाना सुनिश्चित किया जायेगा।
ii. विद्युत संयोजन के उपभोक्ता के रूप में उस VWSC का नाम अंकित होगा, जहाँ उस योजना का अवयव, यथा-पम्पिंग प्लांट इत्यादि, अवस्थित हो। विद्युत खर्च का विवरण VWSC के द्वारा बहु पंचायत जल एवं स्वच्छता समिति (MPWSC) को दिया जायेगा।

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S/D
**Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi**

Anil Singh

Proprietor

- iii. चूंकि जल संयोजन शुल्क एवं जलशुल्क की वसूली भी संबंधित VWSC के द्वारा किया जाता है, अतः जिस अनुपात में जल संयोजन है उसी अनुपात में विद्युत विपन्न की राशि का VWSC वार निर्धारण बहु पंचायत जल एवं स्वच्छता समिति (MPWSC) द्वारा किया जायेगा।
- iv. O & M प्रावधान में निर्धारित विद्युत विपन्न की राशि कार्यपालक अभियंता के द्वारा बहु पंचायत जल एवं स्वच्छता समिति (MPWSC) के खाते में हस्तांतरित किया जाएगा। बहु पंचायत जल एवं स्वच्छता समिति (MPWSC) के द्वारा गृह जल संयोजन के आधार पर VWSC को विद्युत विपन्न की राशि का भुगतान किया जाएगा।
- v. VWSC के द्वारा विद्युत खपत के लिये प्राप्त विपन्न का भुगतान इसी राशि से किया जाएगा।

10. VWSC के कार्य क्षेत्र में पड़ने वाले व्यय:-

VWSC के कार्य क्षेत्र में पड़ने वाले व्यय निम्नलिखित हैं:-

- (क) विद्युत विपन्न का भुगतान।
- (ख) ऑपरेटर का भुगतान।
- (ग) छोटे-मोटे मरम्मत इत्यादि का व्यय।
- (घ) सीमा में पड़ने वाले अन्य संरचनाओं का मरम्मत व्यय।

11. शिकायत निवारण की व्यवस्था:-

जलापूर्ति से संबंधित शिकायतों को जल सहिया के द्वारा VWSC से प्रमाणित शिकायत पंजी में अंकित किया जायेगा और अधिकतम तीन कार्य दिवसों के अन्दर VWSC के द्वारा उक्त शिकायतों का निराकरण किया जायेगा।

निर्देश है कि उपर्युक्त अनुदेशों का अनुपालन सुनिश्चित किया जाए।

विश्वासप्रमाण

(सुधीर प्रसाद) 20.07.13
अपर मुख्य सचिव

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S/d
Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi

Anil Singh

Proprietor

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Government of Jharkhand
Drinking Water & Sanitation Department

Letter No. : 9/CDO-237/15-336 (CDO) / Ranchi, Date : 27.02.2021

From,

Umesh Prasad Gupta,
Chief Engineer (CDO),
Drinking Water and Sanitation Department,
Jharkhand, Ranchi-834002
E-mail : dwsdcdo@gmail.com

To,

1. Dr. Amin Controllers Pvt. Ltd.
Victoria Park, Smart Work Business Centre, Plot GN 37/2,
Level 6, Suite 602, Sector V, Sallake, Kolkata- 700091
Tel : 03340847800/02/03/11
Email:-rdatta@rcaindia.net
2. Om Research & Testing Laboratory
Girwar Bhawan, Near Reliance Fresh, Ratu Road, Ranchi-05
Cont.- 7362037216/ 6206339360
Email: omlaboratories2019@gmail.com
3. Rites Limited
Quality Assurance Division, Eastern Region Office,56,
C.R. Avenue, 3rd Floor, Central Metro Station Building, Kolkata- 700012
Cont.- 9073399500/ 033-22348912/ 8913/ 8665
4. Snow Fountain Consultants
5/259 (H.I.G.), Vikas Nagar, Lucknow- 226022
Cont.- 9415001208/ 9451545079/ 0522-4047624
Email: snowfountain@gmail.com/ sfcakhilesh@gmail.com
5. CIPET (CSTS)
Hehal, Ranchi-05
Cont.- 8978480207
Email:cipetranchi@gmail.com

Subject: Empanelment of Agencies for Inspection of Materials as per Annexure (used in DW&SD, Govt. of Jharkhand) for Quality Assurance.

Ref TOR notice letter no. 235(CDO)/ 17.02.21, 245(CDO)/ 18.02.21 & corrigendum letter no. 255(CDO)/ 20.02.21

Dear Sir,

The undersigned is directed to inform that the above mentioned agencies are being empanelled for inspection of materials (used in DW&SD, Jharkhand) in India for Quality Assurance with Term of Reference (TOR) and field of testing / inspection, along with agencies annexed here with. This empanelment is valid for one year from the date of issue of this letter. Payment will be made to the Inspection Agency by the Contractors / Suppliers of the work / supply. The concerned EE / SE / CE / Dept. / Contractor will place order for inspection of materials as per terms of their agreement clauses / NIT, for the work concerned.

TERM OF REFERENCE (TOR)

Background information & brief particulars along with the formats for providing information

1.BACKGROUND

The Drinking water and Sanitation Department (DWSD) of Government of Jharkhand is engaged in the development of infrastructure for providing safe & Potable water supply for drinking purpose as well as sanitation to both Rural as well as urban Populations. Such infrastructure in routine are also implemented operated as well as maintained by the DWSD itself and through outsourcing or VWSC in the all parts of Jharkhand covering all twenty four districts of Jharkhand.

s/a
**Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi**

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Proprietor

2. OBJECTIVES OF APPOINTING THIRD PARTY INSPECTING AGENCY

The main objective of Appointing Third Party Inspecting Agency is to ensure quality of material purchased by Drinking Water and Sanitation Department and materials used under turnkey projects by contractors engaged by the Drinking Water and Sanitation Department for various drinking water supply & other schemes being carried out under the jurisdiction of Drinking Water and Sanitation Department. Generally following types of work is being carried out by Drinking Water and Sanitation Department to provide safe and adequate water supply facilities an P.T.O. sanitation to the human beings of Jharkhand:

- ❖ Implementation of Rural and Urban water supply schemes.
- ❖ Construction of wells and tube wells
- ❖ Construction of new recharge structures.
- ❖ Augmentation of Rural and Urban water supply schemes.
- ❖ Other works carried out by Drinking water and Sanitation Department to strengthen the water supply network.

3. PHYSICAL AREA OF WORK

Anywhere in the union territory of India for inspecting the material involved / plant of manufacturers with regard to DWSD Government of Jharkhand work.

4. SCOPE OF WORK

- The scope of work shall include inspection of material at manufacturers place as well as third party place (Consignee end) as per ISS /Relevant standards and specifications of material or as per ISS /approved drawing and technical specifications of Department as per Contract
- Plant /Factory inspection of manufacturer if required.

5. ROLE OF INSPECTING AGENCY:

- Inspection of material at place of manufacturer anywhere in India before dispatch or in Stage as per approved specification / drawing /OAP
- The plant inspection of manufacturing unit to gauge capacity and technical suitability of the manufacturing unit. Also agency needs to check calibration status of test equipment to be used inspection.
- Inspection will be carried out and information /Report will be submitted to the Department within 7 days after receiving notice /information / inspection call received from the Contractor / Vendor/ Manufacturer/ Department
- Copy of inspection call letter must be provided to the concerned office of Department under whose jurisdiction the work lies for information
- The date of inspection will be intimated to the Department before departing of inspecting agency and will provide clear cut recommendation regarding the acceptance /rejection of material / suitability of the manufacturer for supplying the material to Department or as per ISS/approved drawing and technical specifications of Department
- If required samples send to NTH for lab testing Results will be binding to all party. In case of consignee end 3rd Party inspection of material inspection has to be done in presence of Government official as well authorized person of Vendor.

6. INSPECTION & TESTING

- The inspection of the material shall be done as per provision of the contract of purchase. All routine and type shall carry out in accordance with relevant ISS/terms of contract. Whenever required Department will issue approval quality assurance plan approved drawing along with assurance of order to the vendor/manufacturer/contractor which to be inspected by agency.

Anil Singh

AS Proprietor

Executive Engineer,
DW & S. Division,

Ranchi West Ranchi

10/10/2023

Inspection of material by TPIA will be on sampling technique basis as per relevant ISS Specification/Quality assurance plan/ Drawing approved Department on Factory/ Manufacturing only on consignee and field officers will check the materials inspected by TPIA.

- The inspection team shall have full and free access to the place of the manufacturer during the process of manufacturing and during inspection.
- The inspection officer at his discretion may seal any sample in the presence of authorized representative of the manufacture for testing at approved Govt. Lab. The charges of Lab will be borne by manufacturer/Supplier.
- All inspected and approved materials should have a hologram of TPI Agency and Logo Monogram of Manufacturer as distinct identification mark and such mark should be made on each and every item of the purchase order though actual tests have been carried out only on samples as per sampling and testing procedures. A traceability report must be submitted along with inspection certificate issued TPI Agency.
- TPI agency will review the internal document and guarantee certificate of inspected materials by the vendor/contractor/manufacturer. All guarantee certificate will be issued by the vendor/contractor/manufacturer in the name of end user i.e. Executive Engineer with information to Superintending Engineer concerned, Chief Engineer (CDO) & Engineer-in-Chief of Drinking Water & Sanitation Department, Doranda, Ranchi -834002, Jharkhand. This document be duly endorsed by TPI Agency and submit with inspection certificate to the Department.
- TPI agency shall issue inspection to the manufacturer under copy to EE / SE concerned, CE (CDO) and Engineer in Chief, Drinking Water & Sanitation Department, Nepal House, Doranda, Ranchi -834002, Jharkhand, if the materials are found acceptable as per purchase order specifications duly mentioning the no. of items offered for inspection, quantity accepted or rejected etc immediately after inspection.
- Inspection certificate issued by the TPI Agency will be signed by the approving inspecting engineer.
- TPI agency shall not admit any deviation in the specification of the purchase order unless specified by Department.
- Department reserve right cross check the material and site inspected by the third party inspecting agency. Department will check hologram and logo Monogram of inspected materials supplied by the manufacturer as per the traceability report submitted by the TPI Agency if any pseudo inspection or quality of material inspected by the inspecting agency is found of poor quality, joint inspection will be held in presence of TPIA, Manufacturer or Supplier and Consignee. Again similar sampling will be done. If required samples will be sent to NTH (National Test House) and results will be binding to all parties. If test results are not within the permissible limit as specified in the specification /relevant ISS, the empanelment of the TPI Agency is liable to be terminated or no inspection work for the Department will be allowed for a minimum period of six months or rest of the period.
- Also the Department reserves the right to blacklist the TPI Agency if found repetitive defaulter.
- Generally, no change in the manpower is allowed, however, in unavoidable circumstances, it can be replaced with a person having equivalent or higher capabilities after getting due

Anil Singh
AS
Proprietor

S/d
Executive Engineer,
DW & S. Division, A
Ranchi West, Ranchi
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➤ If any stage or work it is found that TPIA has submitted false documents terminated and TPIA will be penalised.

7. SUBCONTRACTING

➤ No sub contracting, consortium or joint venture is permitted.

8. SETTLEMENT OF DISPUTES

➤ If any dispute or difference of any kind whatsoever will arise between the TPI Agency and the Department in connection with or arising out of the Contract, the parties will make every effort to resolve amicably such dispute of difference after mutual consultation.

Enclosure - As above (Annexure-I).

Sincerely yours

Sd/-

(Umesh Prasad Gupta)
Chief Engineer (CDO)

Letter No 9/CDO-237/15-336 (CDO) / Ranchi, Date 27/02/2021
Copy to All Superintending Engineer including Mechanical / All Executive Engineer including Mechanical, DW&SD, Jharkhand for information, necessary action and to include the name of the TPIA in NIT.

Sd/-

(Umesh Prasad Gupta)
Chief Engineer (CDO)

Letter No 9/CDO-237/15-336 (CDO) / Ranchi, Date 27/02/2021
Copy to Joint Secretary (Management Cell) / T.S. to Chief Engineer (HQ) / Superintending Engineer (Planning), DW&SD, Jharkhand for information, necessary action and to include the name of the TPIA in NIT.

Sd/-

(Umesh Prasad Gupta)
Chief Engineer (CDO)

Letter No 9/CDO-237/15-336 (CDO) Ranchi, Date 27/02/2021
Copy to Regional Chief Engineer, DW&SD, Ranchi Zone, Ranchi / Dumka Zone, Dumka for information, necessary action and to include the name of the TPIA in NIT.

Sd/-

(Umesh Prasad Gupta)
Chief Engineer (CDO)

Letter No 9/CDO-237/15-336 (CDO) Ranchi, Date 27/02/2021
Copy to Chief Engineer (HQ) / Chief Engineer (PMU), DW&SD, Jharkhand for information, necessary action and to include the name of the TPIA in NIT.

Sd/-

(Umesh Prasad Gupta)
Chief Engineer (CDO)

Letter No 9/CDO-237/15-336 (CDO) Ranchi, Date 27/02/2021
Copy to Engineer-in-Chief / PS to Secretary, DW&SD, Jharkhand for information & necessary action

(Umesh Prasad Gupta)
Chief Engineer (CDO)

Anil Singh

Proprietor

Executive Engineer,
DW & S. Division, Ranchi West, Ranchi with CamScanner

Manufacturing End में एवं शेष में से किन्ही एक के द्वारा Consignee End पर जाँच कराने की आवश्यकता बताई गई है।

उक्त तथ्यों के आलोक में सम्यक विचारोपरान्त इस कार्यालय के पत्रांक-336(CDO दिनांक- 27.02.2021 के Annexure-1 (A, B & C) को विलोपित करते हुए निदेश दिया जाता है कि विभाग में सूचीबद्ध सभी Third Party Inspection Agency (TPIA) में से किसी एक द्वारा स्वतंत्र रूप से सभी अंचलो (यांत्रिक सहित) में अपनी दक्षता के अनुरूप Manufacturing End पर एवं शेष बचे सूचीबद्ध TPIA में से किन्ही एक द्वारा Consignee End पर सभी प्रकार के सामग्रियों (Materials / Items) की जाँच (Inspection) किया जायेगा।

शेष कण्डिका एवं शर्तें यथावत रहेगी।

इसपर विभागीय सचिव का अनुमोदन प्राप्त है।

(रघुनन्दन प्रसाद शर्मा)

मुख्य अभियन्ता, सी०डी०ओ०।

दिनांक 04/08/2021

आपाक- 9/CDO-237/15-898 / राँची,

- प्रतिलिपि :-
1. विभागीय सचिव के प्रधान आप्त सचिव / अभियन्ता प्रमुख / मुख्य अभियन्ता (मुख्यालय) / (पी०एम०यू०), पेयजल एवं स्वच्छता विभाग, झारखण्ड, राँची को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।
 2. क्षेत्रीय मुख्य अभियन्ता, पेयजल एवं स्वच्छता विभाग, राँची प्रक्षेत्र, राँची / दुमका प्रक्षेत्र, दुमका / संयुक्त सचिव (प्रबंधन कोषांग) / सभी अधीक्षण अभियन्ता (यांत्रिक सहित) / सभी कार्यपालक अभियन्ता (यांत्रिक सहित) / सी०डी०ओ० के सभी पदाधिकारी, को सूचनार्थ एवं आवश्यक कार्रवाई हेतु प्रेषित।

(रघुनन्दन प्रसाद शर्मा)

मुख्य अभियन्ता, सी०डी०ओ०।

slq
Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi

Hajesh / G: My document / Letter 1/835

Anil Singh

Proprietor

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झारखण्ड सरकार
पेयजल एवं स्वच्छता विभाग

पत्रांक :- 7/गो.जला(CT/M)-01-28/2018-

राँची, दिनांक :-

सेवा में,

सभी क्षेत्रीय मुख्य अभियन्ता,
सभी अधीक्षण अभियन्ता (यांत्रिक सहित),
सभी कार्यपालक अभियन्ता (यांत्रिक सहित),
पेयजल एवं स्वच्छता विभाग,
झारखण्ड, राँची।

विषय:- बहु-ग्रामीण जलापूर्ति योजनाओं (निर्मित, निर्माणाधीन एवं प्रस्तावित) में विद्युत संयोजन सहायक अभियन्ता (यांत्रिक) के पदनाम से लेन के संबंध में।

महाराज,

उपर्युक्त विषय के संदर्भ में कहना है कि राज्य में संचालित वैसी सभी जलापूर्ति योजनाएँ जिनका संचालन VWSC द्वारा किया जा रहा एवं योजनाओं का विद्युत संयोजन VWSC के नाम से लिया गया है, ऐसी योजनाओं के संचालन में प्रायः यह देखा जा रहा है कि VWSC द्वारा विद्युत व्यय की राशि विद्युत विभाग को जमा नहीं किया जाता है एवं विद्युत विच्छेद के कारण योजनाओं का संचालन सुचारू रूप से नहीं हो पाता है।

अतः जनहित एवं कार्यहित में वैसी सभी बहु-ग्रामीण जलापूर्ति योजनाओं (निर्मित, निर्माणाधीन एवं प्रस्तावित) में विद्युत संयोजन संबंधित सहायक अभियन्ता (यांत्रिक) के पदनाम से लिया जाए एवं विद्युत संयोजन हेतु Security Money इत्यादि का भुगतान योजना में प्रावधानित राशि से संबंधित कार्यपालक अभियन्ता (असैनिक) द्वारा किया जाए। साथ ही विद्युत विपन्न की राशि का भुगतान विभाग द्वारा संबंधित कार्यपालक अभियन्ता (यांत्रिक) के माध्यम से किया जायेगा। तदनु रूप इससे संबंधित पूर्व के निर्देश को विलोपित किया जाता है।

इसपर विभागीय मंत्री का अनुमोदन प्राप्त है।

ज्ञापक :-

प्रतिलिपि :- माननीय विभागीय मंत्री के आप्त सचिव/सचिव के प्रधान आप्त सचिव/अभियन्ता प्रमुख (कोषांग) को सूचनाार्थ प्रेषित।

हो/-

(प्रशांत कुमार)
सरकार के सचिव।

राँची, दिनांक :- 6/7/18

(प्रशांत कुमार)
सरकार के सचिव।

Shuvam | 49 #14

Anil Singh

AS

Proprietor

skd
Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi

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भारत सरकार
शेजल एव सवच्छता विभाग।

पत्रांक-5/कोष-07/10-902 /रॉची, दिनांक- 10/3/11
सेवा में।

सभी कार्यपालक अभियंता (यांत्रिक छोड़कर)
शेजल एव सवच्छता विभाग, प्रारखण्ड।

विषय- ग्रामीण जलापूर्ति योजनाओं में पाईप बिछाने के पूर्व जल संयोजन के संबंध में।
निदेशानुसार उपर्युक्त विषयानुसार ग्रामीण क्षेत्र की जलापूर्ति योजनाओं के निर्माण कार्य के समय निम्न निर्देशों का अनुपालन करना सुनिश्चित किया जाए। भविष्य में ग्रामीण जलापूर्ति योजना के लिए की जाने वाली विधिदा में भी निम्न शर्तों को जोड़ना सुनिश्चित करें।

1. Liability Period and Operation & Maintenance की अवधि में संवेदक एक उत्तम Team रखें जो ग्राम पंचायत/WWSC से सम्पर्क कर घरेलू जलसंयोजन को सुनिश्चित करेंगे।
2. योजनानुसार Distribution pipe line का कार्य तभी किया जाए जब Distribution pipe line के along कम से कम 50% घरेलू जलसंयोजन लेने वाले की सूची एवं सहपति पत्र ग्राम पंचायत/WWSC तैयार कर लेगा। संवेदक इस कार्य हेतु ग्राम पंचायत/WWSC को मदद करेंगे।
3. उक्त निर्देश का अनुपालन करना अधीक्षण अभियंता की जिम्मेदारी होगी।

ज्ञापक- 702 /रॉची, दिनांक- 10/3/11
प्रतिलिपि- सभी अधीक्षण अभियंता (यांत्रिक छोड़कर)/सभी क्षेत्रीय मुख्य अभियंता/मुख्य अभियंता(सी0डी0ओ0)/मुख्य अभियंता (पी0एम0चू0)/मुख्य अभियंता (मुख्यालय)/संयुक्त राधिय (प्र0को0)/मुख्यालय को सभी पदाधिकारी एवं कर्मचारी को सूचनाएँ एवं आवश्यक कार्रवाई हेतु प्रेषित।
(राजेश्वर कर्मा)
अभियंता प्रमुख।

ज्ञापक- 702 /रॉची, दिनांक- 10/3/11
प्रतिलिपि- सभी मुखिया/अध्या/उपाध्या एवं सदस्य/WWSC के अध्यक्ष/सभी उपायुक्त प्रारखण्ड को सूचनाएँ एवं आवश्यक कार्रवाई हेतु प्रेषित।
(राजेश्वर कर्मा)
अभियंता प्रमुख।

ज्ञापक- 702 /रॉची, दिनांक- 10/3/11
प्रतिलिपि- माननीय उप मुख्य (विभागीय) मंत्री को आदा राधिय को सूचनाएँ एवं आवश्यक कार्रवाई हेतु प्रेषित।
(राजेश्वर कर्मा)
अभियंता प्रमुख।

1 B Anil Singh
Proprietor

slr
Executive Engineer,
DW & S. Division, line A
Ranchi West, Ranchi



**Drinking Water & Sanitation Department
Government of Jharkhand**

Technical Bid Document

**Implementation of Cluster wise Single Village Water
Supply Schemes under Jal Jeevan Mission for
Cluster: - 10 A**

Estimated Cost of the Project	Rs. 7.3800 Crores
Cluster No	10 A (ii)
Total Population to be covered	11317
Total no of FHTC to be covered	2039
No of Habitations (Tolas) to be Covered	23
No of Villages to be covered	09
Blocks	Kanke
District	Ranchi

**Office Inviting Tender: Executive Engineer, Drinking Water &
Sanitation Division, Ranchi West, Ranchi.**

Anil Singh

Proprietor

**Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi**

Proprietor

Standard Bidding Document Under

For

Name of Work: Implementation of Cluster wise Single Village Water Supply under Jal Jeevan Mission for Cluster: - 10 A(ii)

Sr No	Particulars	Details
1	Estimated Cost of the Project	Rs. 7.3800 Crores
2	Time of Completion	09 Months
3	Date of publication of tender on website at 4:00P.M
4	Date of pre bid Meeting at 12:30P.M
5	Last date/Time for receipt of Bid at 04:00P.M
6	Last date/Time for Submission of original copies of cost of bidding document, bid securities, etc. at 04:00P.M
7	Date of Opening of Tender at 02:00P.M
8	Name & Address of Office Inviting Tender	Executive Engineer Drinking Water & Sanitation Division, Ranchi West, Ranchi
9	Contact No of procurement office	0651-2491247
10	Helpline no of e-procurement cell	

Further Details can be seen on website

Further details can be seen on website <http://jharkhandtenders.gov.in>

Anil Singh

AS
Proprietor

2

slg
**Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi**

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S/A
**Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi**

Anil Singh

AS

Proprietor

Anil Singh
Proprietor

INVITATION FOR BID (IFB)

Anil Singh
AS
Proprietor

SLD
**Executive Engineer,
DW & S. Division,
Ranchi West, Ranchi**

**GOVERNMENT OF JHARKHAND
DRINKING WATER AND SANITATION DEPARTMENT
INVITATION FOR BIDS (IFB)
NATIONAL COMPETITIVE BIDDING**

Tender reference No- DWSD/SVS/Ranchi West/05/2021-22

Date-.....

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, Central Govt./ State Govt. or any PSU or any agency of International or National repute may participate in the bid but registration with Drinking Water & Sanitation Department, Government of Jharkhand will be essential within a period of two months from date of award after issue of Letter of Acceptance. 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	Approximate value of work (Rs in lakh)	Bid Security (Rs in lakh)	Cost of Tender Paper (Rs)	Class of Contractor	Time of Completion
1	2	3	4	5	6	7
1	Implementation of Cluster wise Single Village Water Supply Schemes under Jal Jeevan Mission for Cluster: 10 A(ii) Cluster No: 10 A (ii) Population: 11317 FHTC: 2039 Habitations : 23 Villages: 09 Blocks : Kanke District: Ranchi	Rs. 738.00 Lakhs	7.38	10,000/-	1S (Unlimited)	09 Months + 1 months (trial and run)

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	7
1	Executive Engineer, Drinking Water & Sanitation Division, Ranchi West, Ranchi	E E DW&S, Division Ranchi West Ranchi at 04:00P.M at 4:00P.M at 2:00P.M

3. Cost of Bidding document for a Non-refundable fee as indicated shall be in the form of demand draft of any scheduled Bank payable at Ranchi in favour of Executive Engineer, Drinking Water & Sanitation Division Ranchi West Ranchi.

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4. Bids must be accompanied by scanned copy of security amount specified for the work in the table, payable at Ranchi and drawn in favour of **Executive Engineer, D.W. & S. Division Ranchi West Ranchi**, Bid security will have to be in anyone of the forms as specified in the bidding document and shall have to be valid for 45 days beyond the validity of the bid.
5. Original Cost of Bidding document, additional cost & Bid security shall be deposited in the office of the Executive Engineer Drinking Water & Sanitation Division Ranchi West Ranchi in all working days between/04.00-P.M. toup to 04.00 P.M either by registered post / speed post or by hand. Only those applications will be entertained whose cost of Bidding documents, bid security is received beforeup to 04.00 P.M. The Executive Engineer, D.W. & S. Division Ranchi West Ranchi will not be held responsible for postal delay, if any, in the delivery of the document or non-receipt of the same. Apart from office of Executive Engineer, the said documents can also be submitted in the office of concerned Superintending Engineer, Drinking Water & Sanitation Circle or concerned office of Regional Chief Engineer, Drinking Water & Sanitation Department.
6. A pre-bid meeting will be held on at 12.30 PM at the office of **Engineer in Chief, D. W. S. D. Nepal House, Ranchi** to clarify the issues and to answer questions on any matter that may be raised at that stage as stated in Clause 9.2 of 'Instructions to Bidders' of the bidding document.**
7. Scanned copy of GST registration certificate, UCAN registration certificate, PAN card & Letter of Registration as contractor shall be uploaded by the tenderer or otherwise it may be rejected.
8. The work is to be completed in time, otherwise penalty for non-completion of work in time shall be imposed as stated in Bid Document. Also, provision of Bonus for early completion of work is there.
9. Bidders who have pending work in the department are not eligible to participate.
10. Bidders should provide their Banker's contact details for any references, if contacted by the Department.
11. If any work is awarded to a bidder after submission of bid, his bid capacity will be reduced by that amount-Para 1.4B of Qualification information (Section-2).
12. Other details can be seen in the bidding documents.

In case of same rate quoted by bidder's tenderer will be finalized in compliance to RCD. संकल्प संख्या. प.नि.वि./विविध-06-33/2007(अंश-1)-2146(S) रांची,दिनांक-09/09/2020. As per this letter number bidder may quote below 10% of BOQ amount as well.

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Note: Bid Security will be a fixed sum rounded off to the nearest one thousand Rupees.

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Terms of Reference

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A. Important Definitions

Jharkhand ("The land of forest") is a state in eastern India, created on 15 November 2000, from what was previously the southern half of Bihar. The state shares its border with the states of Bihar to the north, Uttar Pradesh to the northwest, Chhattisgarh to the west, Odisha to the south and West Bengal to the east. It has an area of 79,710 km² (30,778 sq mi). It is the 15th largest state by area, and the 14th largest by population. Hindi is the official language of the state. The city of Ranchi is its capital and Dumka its sub capital. The state is known for its waterfalls, hills and holy places; Baidya Nath Dham, Parasnath and Rajrappa are major religious sites.

Drinking Water & Sanitation Department (DWS&D), Jharkhand: Since Jharkhand's formation in the year 2000, all rural water supply schemes including piped water in the state is being managed and expanded by the Drinking Water and Sanitation Department. To foster its management DWSD is involving the community through Village Water and Sanitation Committee (VWSC). The department had undertaken an objective of covering entire 100% of the rural household in the state through FHTC (Functional Household Tap Connection) with the support of Jal Jeevan Mission sponsored by the Government of India.

Jal Jeevan Mission (JJM): Jal Jeevan Mission is envisioned to provide safe and adequate drinking water through individual household tap connections by 2024 to all households in rural India. The programme will also implement source sustainability measures as mandatory elements, such as recharge and reuse through grey water management, water conservation, rain water harvesting. Under JJM, revenue village along with its habitations as enumerated in the Census will be the unit for planning, implementation, monitoring, management, operation and maintenance. The revenue village unit will include all the respective habitations and all scattered settlements. In the long-term, financial sustainability of O&M and institutional arrangement at village level will be key to successful continuous service delivery.

Functional Household Tap Connection [FHTC]: A tap connection to a rural household for providing drinking water in adequate quantity of prescribed quality on regular basis. Functionality of a tap connection is defined as having infrastructure, i.e. household tap connection providing water in adequate quantity, i.e. at least 55 lpcd, of prescribed quality¹, i.e. BIS:10500 standard, on regular basis, i.e. continuous supply in long-term.

Habitation (Tola): A group of minimum 20 households and/or 100 persons. However, in hilly/ tribal and forested areas and SC/ ST dominant habitations having lower number of households and/ or persons, are also to be covered. Providing FHTC for single houses/ farm houses far away from villages/ habitations are not be funded under JJM.

Single Village Scheme: Single Village Scheme (SVS) is a groundwater/ spring based/ local surface water scheme which is expected to be managed by Gram Panchayat and/ or its subcommittee, i.e. VWSC/ Paani Samiti/ User Group, etc.

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Cluster: A group of all the villages (25-100 Villages) within an entire block/More than one block having 1500 to 15000 FHTC resulting in 80-200 Habitation wise Schemes. The approximate financial value of each cluster is targeted to be up to 10 Crores.

B. Project Background

With the objective of providing safe piped drinking water through tap connection to entire population under Jal Jeevan Mission, Drinking Water and Sanitation Department has undertaken an exercise to cover the entire state with a mix of Mega/Multi village water supply schemes and Single village schemes. The choice for type of scheme was made on the basis of multiple factors such as geographical terrain, population density, ground water availability, per FHTC cost and feasibility of various schemes and different areas.

DWS&D has made/is in process of making district wise coverage plans specifying defined areas in terms of population, no of households (FHTC Connections to be provided), tola names, villages, panchayats and blocks which have to be covered via various types of schemes. This document is specifically related to implementation of ground water based Single village schemes only. The DWS&D is undertaking the implementation surface water based mega and multi-village water supply schemes separately through ongoing tendering process.

In order to expedite the implementation of the SVS schemes, while maintaining a consistent quality and considering the fragmented nature of the work, DWS&D has planned to undertake cluster-based grouping of schemes of around 25-100 villages having 80-200 habitations with 1,500-15,000 FHTC connections.

The Department has prepared various models for covering different sized habitation with the following Nos of households: Model 1A – 0 to 10 Nos of Household, Model 1B – 10 to 20 Households (Steel Structure for Water Tank), Model 1 – 0 to 20 Households (RCC Structure for Water Tanks) Model 2 – 20-40 Household(RCC Structure for Water Tanks), Model 3 – 40-60 Household(RCC Structure for Water Tanks), Model 4 - 60 & above (RCC Structure for Water Tanks) . These models contain provisions for Drilled Tubed well, GPT Bore Well, HYDT, Solar pumps, Steel Structure, HDPE Water Tank, RCC Water Storage Tanks, Distribution pipelines, Annual Repair & maintenance, etc. These models provide a near accurate estimation of cost to be incurred for implementation of a particular model or models within a habitation with minor variations.

In the prior context the department used conduct in house surveys and award village wise tenders with prefixed models selected for each habitation. This model was effective and suitable for limited no of schemes in selected water scarce area, but with a view of 100% coverage throughout the state in time bound manner, it has become imperative to scale up the implementation process by clubbing up group of habitations to sizeable chunks so that the economies of scale could be applied to gain the benefits on all three fronts of Implementation Time, Quality control and Cost Control.

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In addition, the department through its vast experience of project implementation in past has identified the benefits of providing flexibility to implementation agencies of designing & customizing the schemes in order to suite the site condition and local challenges. In order to reap the benefits of Design-Build projects along with keeping the financial control of Item rate system, the department has undertaken the present bidding system on Item rate basis. Under this system, a list of applicable items under various models of single village schemes will be provided in the priced BOQ with applicable rates and Quantities as determined by the department. The bidders will be requested to quote their rates applicable against each of the items under the proposed scheme.

In this proposed Item Rate based Project, a list of all the envisaged items in BOQ (Procurement and Construction) to be executed by the bidder will be provided along with the Rates & Quantities as determined by the department. The bidder has to quote against each and every item as provided in the BOQ (provided in the Section 7). The final quantity applicable for payment will be derived on the basis of the DPR to be prepared by the selected bidder and approved by the Respective Superintending Engineers/Competent Authority of the applicable Circle post selection process. The Payment to the bidder will be made as per codal provisions and as per payment terms under this bidding document/contract as per the actual quantities implemented by him during the course of the project.

C. Objectives of the Bidding Document

1. The main objective is to provide the background of the project to prospective bidders related to cluster approach of SVS schemes to be implemented on item rate basis.
2. Define the broad scope of work which includes survey, design, procurement and construction
3. Set the broad terms of the contract system
4. Select technically qualified lowest bidders for the project.

D. Broad Scope of work

The broad scope to be covered by the selected agency is as below

1. Undertake a detailed topographic (Total Station) and social survey within the habitations specified in the scope of tender document.
2. Prepare Habitation wise topographical maps showing all the important features within the habitation such as habitation boundary, roads, footpaths, houses with boundary identifying each separate house to be provided with FHTC.
3. Conduct social survey for confirming the number of FHTC in each habitation as per applicable JJM Guidelines.

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4. Identify location of DTW, GPT, HYDT, RCC Tanks, etc. in consultation with the VWSC and Panchayat members along with DWSD officials.
5. Determine and ensure the availability of sufficient ground water through discussions with villagers, output measurement of past dug borewells and hand pumps, resistivity tests and yield tests. Unsuccessful bore has to be avoided.
6. Selection of suitable model or a combination of models for 100% habitation coverage. *In case if a selected bidder identifies that a mix and match of items of various models may lead to better cost and performance efficiency, they are free to propose the same. In special cases, if there is a requirement to design and include additional components such as sumps, multiple sources etc. the contractor is expected to take up the assignment to design the complete scheme separate from the suggested models in consultation with the department. The agency has to ensure that 100% households within the village has to be covered through FHTC.*
7. Preparation of DPR compiling all the survey data, maps, FHTC social survey, VWSC consultations, data on water availability, encumbrance free land availability, rational model selection, pipeline route survey & design, safeguard measures, etc. *The final output should be scheme wise (As a separate scheme ID) cost BOQ which should contain all the applicable items along with proposed quantities and justification for deviations. This scheme wise output has to be clubbed village wise or any other desired classification as desired by respective Superintending Engineers/Competent Authority. 100% household coverage of the entire village has to be ensured.*
8. Getting the DPR vetted and approved by Competent Authority through a proper channel.
9. Proposed works shall conform to the specifications & guidelines circulated by PWD Code, DWS&D Jharkhand and/ or by the Govt of India under Jal Jeevan Mission. The technical specifications of rural water supply projects shall conform to the guidelines & specifications given in the Manual on Water Supply -1999 or its updated latest version, published by Gol and to specifications given in the latest versions of relevant IS codes published by the Bureau of Indian Standards (BIS) and as per Jal Jeevan Mission guidelines.
10. Procurement of all applicable items as per standard procurement guideline of the department only from the empanelled approved supplier of DWS&D Jharkhand.
11. Implementation of works as per specifications and departmental guidelines.
12. The selected agency has to prioritize the FHTC post the completion of borewell work. In case if the tower is not ready, the agency will have to provide the house connections directly from the pump-set in parallel to the tower work.
13. Trial Run of the scheme (Each and Every SVS separately) for a period of minimum 30 Days

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14. Implementation & Adherence of the tripartite agreement (Annexure A) for Operation and Maintenance of the Schemes between DWSD Jharkhand, Selected Bidder and VWSC/MVWSC
15. Train the VWSC/Any other nominated agency appointed for running the scheme on an ongoing basis.
16. Prepare as built drawings and handover documentation.
17. Annual Repair & Maintenance of the project components for a period of 5 Years as per the tripartite agreement (Annexure A)
18. The work shall be implemented on Item Rate basis which will include all components of Engineering, Procurement and Construction items.
19. Items not specifically mentioned in the description of the items given in schedule but which are required to be executed for the satisfactory completion of the complete system, as specified in scope of work may be included in the DPR proposed by the contractor post approval from the competent authority. The applicable rates for these items will be as per Codal provisions and contract conditions of this bidding document.

E. Guidelines & Service Level Benchmarks for Project Implementation

1. Every Scheme has to be considered as a basic planning unit for the entire project. The Planning has to be done so that every tower is a separate scheme with a separate Scheme ID to be entered in the JJM Portal.
2. The DPR has to be prepared Scheme wise and clubbed at a habitation/village level or as directed by the concerned Superintending Engineer/Competent Authority.
3. Supply of safe & potable drinking water- the safe and potable drinking water having characteristics of water as per IS:10500 (latest) shall be supplied to each consumer.
4. Per capita supply of water- the contractor is liable to ensure supply of potable water for domestic use to each consumer @ 55 lpcd minimum at consumer end. The right selection of Model becomes imperative here on the basis of FHTC survey and ground water availability.
5. In special cases, if there is a requirement to design and include additional components such as sumps, multiple sources etc. the contractor is expected to take up the assignment to design the complete scheme separate from the suggested models in consultation with the department. The payment for extra items shall be made as per codal provisions and bidding document conditions.
6. The selected agency has to prioritize the FHTC post the completion of borewell work. In case if the tower is not ready, the agency will have to provide the house connections directly from the pump-set in parallel to the tower work.

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7. Complaint redressal- The contactors is responsible to attend the complaints of the consumers within 24 hours of information received. The normal supply should be restored within 48 hours of its occurrence. In case of noncompliance, it shall invite penalty. In particular cases only with approval of the employer, the period can be extended.
8. Implementation & Adherence of the tripartite agreement (Annexure A) for Operation and Maintenance of the Schemes between DWSD Jharkhand, Selected Bidder and VWSC/MVWSC
9. Road cutting and its restoration (if required) shall be the responsibility of the contractor during Execution & maintenance period.
10. Any extensions of pipe line network if required shall have to be done by the contractor during repair & maintenance period, payment of which shall be made according to prevailing Standard Schedule of Rates.
11. Procurement of any item is done specifically and only from the empanelled list of suppliers approved by DWSD Jharkhand. In case for any items if the list of vendors are not available then the approval from DWSD Jharkhand on supplier is required.
12. Third Party Inspection: - As per Govt. Instruction installation of proposed Solar Panel must be certified by MNRE. All concern Item/Solar Panel must be inspected by Third Party Agency appointed by DWSD Jharkhand. Inspection cost will be borne by the Contractor.
13. Comprehensive Maintenance Contract (CMC): Successful Bidder shall execute the comprehensive Maintenance Contract for five (5) years from the date of commissioning. This period shall have included servicing of replacement guarantee for parts and component such as electronics PV modules and electrical works etc. of Solar based pumping system.
14. The agency shall provide all facilities, instrument, materials and labours for testing / inspecting the work and shall afford the site engineer all assistance necessary to conduct the test / inspection for which no extra payment will be made.
15. Functionality Parameters (Quantity)

Sr.No	Parameters	Fully Functional	Partially Functional	Non-Functional
1	Quantity	>= 55 LPCD	> 40 LPCD < 55 LPCD	< 40 LPCD
2	Quality	Potable	Potable	Non-Potable
3	Regularity	12 Months or Daily-basis	9 to 12 Months or < Daily-basis	< 9 Months or < Daily-basis

16. Functionality Parameters (Quality)

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Sr.No.	Parameters	Unit	Acceptable Limit	Permissible Limit
1	pH value	-	6.5-8.5	No relaxation
2	Total dissolved solids	Milligram/litre	500	2000
3	Turbidity	NTU	1	5
4	Chloride	Milligram/litre	250	1000
5	Total alkalinity	Milligram/litre	200	600
6	Total hardness	Milligram/litre	200	600
7	Sulphate	Milligram/litre	200	400
8	Iron	Milligram/litre	1.0	No relaxation

9	Total arsenic	Milligram/litre	0.01	No relaxation
10	Fluoride	Milligram/litre	1.0	1.5
11	Nitrate	Milligram/litre	45	No relaxation
12	Total coliform bacteria	Shall not be detectable in any 100 ml sample		
13	E.coli or thermotolerant coliform bacteria	Shall not be detectable in any 100 ml sample		

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E. Procedure for Implementation of Cluster based SVS under Item Rate System



F. Project Implementation Timelines

A typical habitation-based groundwater-based scheme's implementation timeline is 75-90 days. However, since there will be 80-200 habitation schemes in each cluster including survey & preparation of DPRs, the selected bidder will be expected to deploy multiple teams and target parallel implementation of schemes with Delivery of 5 to 7% of total schemes each month from the 4th Month. The total implementation timeline permitted under this contract will be under three categories

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• For Projects Costing Upto 10 Crores - 9 Months of Implementation Time

By End of	Survey, DPR Work & Approval of BoQ	Successful Implementation	30 Days Trial run & Handover
Month 1			
Month 2	30% of Total habitations		
Month 3	60% of Total habitations	10% of Total Habitations	
Month 4	100% of Total Habitations	25% of Total Habitations	10% of Total Habitations
Month 5		40% of Total Habitations	25% of Total Habitations
Month 6		60% of Total Habitations	40% of Total Habitations
Month 7		80% of Total Habitations	60% of Total Habitations
Month 8		100% of Total Habitations	80% of Total Habitations
Month 9			100% of Total Habitations

Successful Bidder shall execute the tripartite agreement (Annexure A) and perform O&M as per this agreement along with comprehensive Maintenance Contract for five (5) years from the date of commissioning. This period shall have included servicing of replacement guarantee for parts and component such as electronics PV modules and electrical works etc. of Solar based pumping system.

The Contractor shall prepare a project execution plan in line with the above table and submit to the Office of Executive Engineer of that particular district for approval before starting the work. The Project Execution Plan shall also contain the detailed sequence in which the Contractor intends to perform the Work, start and completion dates for all separate activities of Work, key materials and equipment procurement and delivery dates. Contractor is required to submit revised execution program if instructed and shall get it approved from DWSD, Jharkhand.

The programme shall also state the milestones of part commissioning and part completion of the sub-work included in the tender. The programme shall also provide the information as to required approvals to drawings, samples, materials, equipment and their time of submissions to the DWS&D. The progress shall be submitted by the Contractor visa-a-vis programme every month. The works team of the Contractor shall be so motivated to know the balance work at the end of each week and the execution rate required in the balance period to complete the work and therefore, shall endeavour to complete the task assigned for each week timely. In case, where the updated and revised schedule is required, the same shall be submitted to the DWSD for approval. If deviation exceeds 10% in scheduled programme, in spite of no problems or hinderance from employer side, competent authority has right to penalise the selected agency as per the codal provisions and contract conditions. In the event of contractor failing to execute the work as per scheduled programme submitted by him or in the event of unreasonable delay in the part of contractor, the contractor shall be liable for penalty as per codal provisions and contract conditions.

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G. Project Control Parameters

PROCUREMENT OF MATERIALS

All types of materials required such as Sand, Metal, Cement, Steel, all types of pipes, Valves etc, and Various Specials for jointing of pipes, pipes for Inlet, outlet pipes for ESR / GSR etc. as per latest IS specifications shall be of approved make of DWS&D Jharkhand from Empanelled Suppliers/Vendors of DWS&D Jharkhand Only, with Third party Inspection done as per standard DWS&D Practices. Contactors are required to bring this material at site of work and store the same as per required safety plan near the site of work. No additional payment will be made for the storage of material near the site of work, rent of space for storages, transportation & handling of the material to execution site, watching & guarding of the material in the storage and at site.

CONSTRUCTION ACTIVITY

The Contractor shall perform all works as described in this tender document and DWS&D Jharkhand strategies, plans and procedures so as to provide all services required to construct, install, test and deliver a complete facility. The Contractor shall provide all adequate and competent construction management, personnel, supervision, staff, labour, construction planning, scheduling, documentation, construction quality, in order to complete the Work in accordance with the Standard of Performance.

1. Contractor is required to complete the work as per Contract terms of this document of the applicable items of SVS.
2. Items not specifically mentioned in the description of the items given in schedule, but which are required to be executed for the satisfactory completion of the complete system, as specified in scope of work may be included in the DPR proposed by the contractor for approval from the department. The applicable rates for these items will be as per codal provisions and contract conditions.
3. All the sub works & Items in BOQ required to be executed as per specifications & guidelines given by DWS&D Jharkhand or competent authorities.

TESTING & COMMISSIONING

1. All the structures, equipment, pipe line shall be tested as per the specifications. After completion of the works, competent authority will visit the works and after the verification, if satisfied will declare that water supply scheme is complete. After the satisfactory testing and the completion of the works in all respect, all the works in the water supply scheme shall be commissioned. Successful Commissioning means supplying water to the households through the household tap connection (FHTC) to each and every household in that particular scheme.

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2. After the commissioning bidder will have to run the water supply scheme works on trial basis for a minimum of 30 days. After the declaration of the completion of scheme, trial run of the water supply scheme will begin.
3. After the successful trial run and necessary verification, Implementation & Adherence of the tripartite agreement (Annexure A) for Operation and Maintenance of the Schemes between DWSD Jharkhand, Selected Bidder and VWSC/MVWSC shall be done. As per the provisions of the tripartite agreement the water supply scheme or works will be handed over to concerned Gram Panchayat / authority. The contractor shall give proper training to staff of Local body/authority during the trial run. The contractor will have to prepare Manuals for operation and maintenance in Hindi language and same shall be provided in three copies to the local body/authority prior to handing over of scheme.

OPERATION & MAINTENANCE

After the successful trial run, Implementation & Adherence of the tripartite agreement (Annexure A) for Operation and Maintenance of the Schemes between DWSD Jharkhand, Selected Bidder and VWSC/MVWSC shall be done. The contractor will have to do annual repair and maintenance of the various components of the water supply scheme for a period of 5 Years. The repair & maintenance period starts from completion of scheme i.e., completion of household tap connections along with all other components of the water supply scheme & successful trial run period for a minimum 30days. The contractor will be paid O&M cost during this O&M period as per rate schedule for O&M Items. Contractor will have to run the water supply works completed in the bid and supply the water to the each and every FHTC of the Scheme at every habitation/village and the households through FHTC included in the work at prescribed service level. Contractor has to repair and make good if any damages happen for the work completed by them in the bid. No extra payment will be made for these repair work except as per the rates in scheduled items and as approved in the DPR. Contractor shall have to maintain proper records of operation and maintenance (Log book, registers, check list etc., compliance of safety rule etc. preventive maintenance of materials and equipment etc. The Operation and Maintenance consists of all the required works to ensure as mentioned in specification for operation and maintenance.

Other Control Parameters Based on JJM Guidelines

1. Selected bidder will start the survey works in consultation with Gram Panchayat and VWSC. DWS&D will provide required support to the selected executing bidder to resolve any conflicts arising during the implementation and ensure timely completion.
2. Guarantee and/ or warranty of the water supply scheme components - mechanical, electrical items, all types of pipes, valves, specials, pipe appurtenances, pumping machinery, transformers, all types of civil structures such as ESR etc., their designs, Third Party testing of materials etc. will

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be responsibility of the concerned executing bidder. However, its checking/ verification to be done by concerned division of DWS&D Jharkhand

3. Once bill for claiming the payment is submitted, payments to be made within 30 to 45 days after third party inspection/ Quality/ Workmanship/ TPI reports. However, no interest will be payable on delayed payment.
4. Entries in Measurement Book (MB) and preparation of R.A. Bills will be done by concerned Officials of DWS&D Division or their authorised consultant/agency/person.
5. Evaluation - Functionality assessment - Assessment of water Supply Scheme is based on; Functional Households tap connection providing water in adequate quantity (55 LPCD) and of prescribed quality (BIS- 10500) on regular everyday basis. It will also include long-term source and system sustainability. Govt. will carry out survey to assess functionality of Households tap connections. Based on the functionality assessment, withheld amount will be released or funds will be released.

General Guidelines

- a) The contractor shall erect temporary sheds for storage for material supplied by department and brought by him on site. Also, at each construction site contractor shall have separate storage space for cement and other material.
- b) Loading, unloading and transportation of materials to every site of particular village will be the responsibility of Contractor. No extra payment will be admissible for this.
- c) Rates of Third-party Inspection of materials should be borne by Contractor. In case of supply of materials (Specially Solav PV & Pumps) by the Contractor, Contractor shall submit the following documents along with the material. Payment of the material will be made only after the verification of the following documents with respect to the material supplied
 - a. Delivery Challan of the material supplied
 - b. Various Test Reports
 - c. Third Party Inspections Reports.
- d) The contractor shall maintain the record of all materials in the prescribed proforma and registers as directed by the Executive Engineer/Authorised Representative of DWS&D. These registers shall be signed by both contractors and representative of Engineer-in- Charge. These registers shall be made available for inspection, verification for the department as and when required. These registers shall be in the custody of department and shall be maintained by the department.

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- e) Contractor shall take photographs and videos of all sub-works during construction and submit two copies in hard and soft along with final bill.
- f) The material i.e., cement, steel, sand, metal, bricks, pipes, valves etc. brought on the work site shall be accompanied with the necessary company / manufacturing firm's test certificate. In addition, these materials shall be tested as per frequency prescribed by the department and the cost of such testing shall be borne by the contractor. If the test results are satisfactory and then only the material shall be allowed to be used in the work. If the test results are not as per standards, these materials shall be immediately removed from the work site at contractor's cost. In case of cement, if so, requested by the contractor in writing, material will be allowed to be used before receipt of test results but this will be entirely at the risk and cost of the contractor.
- g) All the formwork used for construction shall be of steel or with lining of steel. Wooden shutters may be allowed at the discretion of the Executive Engineer / Authorised Representative of DWSD. for minor works.
- h) Contractor shall have Cube Testing machine at least at a division level. Test cubes shall be tested in front of Executive Engineer/Authorised Representative of DWS&D or his representative and a register for it shall also be maintained.
- i) **ACQUITTANCE WITH WORKS AND SITE CONDITIONS:** The contractor shall be deemed to have carefully examined the scope of work, location and alignment of various components under this tender, site conditions, the general conditions, the specifications, drawing, availability of material required etc. and has fully acquainted himself regarding all aspects of works, if he shall have any doubt as to the meaning of any portion of the tender paper they shall set forth the particulars of the tender to the notice of Executive Engineer, DWSD, before submission of tender and get the doubts cleared. Once the tender is submitted duly filled, he shall be supposed to have accepted the conditions and specifications full and interpretation of the conditions be entirely at the discretion of the competent authority of the department.
- j) **OBSTRUCTIONS IN THE WORK:** All obstructions such as electric cables, telephone line, water and sewer mains, manholes, natural drainage, culverts, storm water drains etc. coming in the way shall be carefully looked after against any damages which otherwise will have to be made good by the contractor at his own cost. Any work of removing, repairing or remaking etc will be carried out by the contractor without any extra claims for the same in contractor with the respective departments.
- k) **LABOUR CAMPS:** The contractor shall at his own expenses make all necessary provisions for land, housing grains, water supply and sanitary arrangements etc for employees and shall pay direct to

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the authorized concerned all rents, taxes and other charges. The contractor shall also comply with all requirements of health department in regard to maintenance of anti-epidemic conditions.

- l) **SPECIFICATIONS:** The wording of items in Schedule of Items shall be taken as guidelines for general provisions and coverage under the item. The detailed specifications for relevant items shall be as per detailed specifications enclosed and as per DWS&D SOR, Jharkhand PWD Codes, CPHEEO Manual, JJM Guidelines, Standard Specifications, Relevant and latest editions of IS Code. The other standard, wherever quoted, shall be applicable. If the standard specifications fall short for the items quoted in the Schedule of this contract, reference shall be made to the latest Indian Standard Specifications, IRC codes. If any of the items of the contract do not fall in reference quoted above, the decision and specification as directed by the Executive Engineer shall be final. It is presumed that the Contractor has gone carefully through the standard specification and the Schedule of rate of the DWS&D, and has also studied site conditions before arriving at rates quoted by him. The special provisions and detailed specification of wording of any item shall gain precedence over the corresponding contrary provisions (if any) in the standard specification given without reproduction the details in contract. Decision of
- m) Executive Engineer/Engineer in charge shall be final in case of interpretation of specifications.
- n) **WATER AND ELECTRICITY:** The contractor shall make his own arrangements at his own cost for water required for construction and hydraulic testing as well as for labour camp. The DWS&D does not take any responsibility for supply of water to contractor for construction or testing purposes during the entire work. Power supply from JSEB if required for construction of work as well as for labour camp will have to be arranged by the contractor at his cost. DWS&D does not take guarantee for continuous power supply at site.
- o) **LINE OUT:** The contractor shall himself carry out the line out of works in the presence of the representative of the DWS&D and the contractor shall be responsible for accuracy of it.

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I. Base Estimates & Details of Various Models approved by the department

Please Refer Section 9 of this document for detailed Estimates and Drawings for Each of the baseline models approved by the department. Below is the Abstracts of the same.

GOVERNMENT OF JHARKHAND			
DRINKING WATER AND SANITATION DEPARTMENT			
Model -1A- Square Tube Steel Structure & HDPE Water Tank			
(4.5 Mtr. Staging ; Capacity-2000L)			
For difficult & Inaccessible areas (up to 10 Nos FHTC)			
Revised Model Estimate for the Work:-Construction of rural water supply Scheme with 1.0 HP DC Solar motor pump complete set & Deep Drilled Tube Well of 125/115mm Dia, 60m Deep for Tolas/ Village / Areas which is not included in MVS and has no electricity or less electricity to supply water 2000 LPH at least 15/30 years for 24 x 7 supply under JJM in the state of Jharkhand Based on SOR w.e.f, 1 June,2021			
ABSTRACT OF COST			
Part -A With Existing Source			
Sl No.	PARTICULARS	AMOUNT	REMARKS
1	Square Tube Steel Structure & Polythylene Water Tank (4.5 Mtr. Staging ; Capacity-2000 Ltr.)	4,94,800.00	
Part -B with New Source DT including IM II Hand Pump Platforem & Drain			
Sl No.	PARTICULARS	AMOUNT	REMARKS
1	Square Tube Steel Structure & Polythylene Water Tank (4.5 Mtr. Staging ; Capacity-2000 Ltr.)	4,94,800.00	
2	Deep T/W of 125/115mm Dia, 60m Deep Drillrd Tube well	72,457.00	if source is requird then contact of concerned SE is compulsory
	Total	5,67,257.00	
	SUPRINTENDING ENGINEER D.W. & S CIRCLE, HAZARIBAGH	SUPRINTENDING ENGINEER D.W. & S CIRCLE, CHAIBASA	
	SUPRINTENDING ENGINEER D.W. & S CIRCLE, GUMLA	SUPRINTENDING ENGINEER D.W. & S CIRCLE, RANCHI	SUPRINTENDING ENGINEER D.W. & S CIRCLE, MEDININAGAR

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GOVERNMENT OF JHARKHAND			
DRINKING WATER AND SANITATION DEPARTMENT			
Model -1B- Square Tube Steel Structure & HDPE Water Tank			
(6 Mtr. Staging ; Capacity-5000L)			
For difficult & Inaccessible areas (up to 10-20 Nos FHTC)			
Revised Model Estimate 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, 60m Deep Drillrd Tube well Tolas/ Village / Areas which is not included in MVS and has no electricity or less electricity to supply water 2000 LPH at least 15/30 years for 24 x 7 supply under JJM in the state of Jharkhand Based on SOR w.e.f, 1 June,2021			
ABSTRACT OF COST			
Part -A With Existing Source			
SI No.	PARTICULARS	AMOUNT	REMARKS
1	Square Tube Steel Structure & Polythylene Water Tank (6 Mtr. Staging ; Capacity-5000L)	7,12,591.00	
Part -B New Source DT With H.P, Platforem & Drain			
SI No.	PARTICULARS	AMOUNT	REMARKS
1	Square Tube Steel Structure & Polythylene Water Tank (6 Mtr. Staging ; Capacity-5000L)	7,12,591.00	
	Deep T/W of 125/115mm Dia, 60m Deep Drillrd Tube well (Annexure -8)	72,457.00	if source is requird then contact of concerned SE is compulsory
	Total	7,85,048.00	

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**GOVERNMENT OF JHARKHAND
DRINKING WATER AND SANITATION DEPARTMENT**

Model Estimate for the Work:-Construction of rural water supply Scheme with 1.0 HP DC Solar motor pump complete set for Tolas/ Villages / Areas which is not included in MVS and has no electricity or less electricity on existing Tube Well having potential to supply water 2000 LPH at least 15/30 years for 24 x 7 supply under JJM in the state of Jharkhand

Up to 20 Nos. House Hold

Model -01

ABSTRACT OF COST

SL.	Reference	PARTICULARS	AMOUNT
1	Sub Estimate No. 1	Provision of 1.0 HP DC Solar Motor pump Complete set	122542.00
2	Sub Estimate No. 2	Construction of RCC water storage Tank having Capacity 4000 Liters. 6.00 m Staging .	249340.00
3	Sub Estimate No. 3	Laying of Rising and distribution pipe line work Including house Connection up to 20 Nos.	185759.00
4	Sub Estimate No. 4	Annual repair & maintenance based on Existing D/T Well with solar motor pump for 5 years.	62219.23
		Total	619860.23
		Add 12% GST(6% CGST+ 6% SGST)	74383.23
		Sub Total	694243.46
		Add 1% Labour Cess	6942.43
		Total-	701185.89
		Add Contingency 1%	6942.43
		Total	708128.33
		Say Cost for one no. Scheme =	708128.00

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**GOVERNMENT OF JHARKHAND
DRINKING WATER AND SANITATION DEPARTMENT**

Revised Model Estimate For Construction of Tola water supply Scheme with 1 HP DC Solar motor pump complete set for Tolas/ Villages/ Areas which is not included in MVS and has no electricity or less electricity on 125mm x 115mm x 90.0m DT/ GPT having potential to supply water 2000 LPH maximum at least 15/30 years for 24 x 7 supply under JJM in the state of Jharkhand, Based on SOR w.e.f, 1 March,2021

20-40 Nos. House Hold

Model -2

ABSTRACT OF COST

SL.	Reference	PARTICULARS	AMOUNT
1	Sub Estimate No. 1	Construction of 125mmX115mmX90.0 M DT	63575.00
2	Sub Estimate No. 2	Provision of 2.00 HP DC Solar Motor pump Complete set	171820.00
3	Sub Estimate No. 3	Construction of RCC water storage Tank having Capacity 8000 Liters. 8.00 m Staging .	304175.00
4	Sub Estimate No. 4	Laying of Rising and distribution pipe line work Including house Connection 20 - 40 Nos.	337787.00
5	Sub Estimate No. 5	Annual repair & maintenance based on Existing D/T Well with solar motor pump for 5 years.	65081.30
		Total	942438.30
		Add 12% GST (6% CGST+ 6% SGST)	113092.60
		Sub Total	1055530.90
		Add 1% Labour Cess	10555.31
		Total-	1066086.21
		Add Contingency 1%	10555.31
		Total	1076641.52
		Say Cost for one no. Scheme =	1076642.00
<p>Note:- In case of GPT, Rs. 99838.00 added in place of DT cost</p>			

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**GOVERNMENT OF JHARKHAND
DRINKING WATER AND SANITATION DEPARTMENT**

Revised Model Estimate for the Work:-Construction of rural water supply Scheme with 2 Nos. 2.00 HP DC Solar motor pump complete set for Tolas/ Village/ Areas which is not included in MVS and has no electricity or less electricity on 2 Nos. 125mm x 115mm x 90.0 M DT/ GPT having potential to supply water 2000 LPH maximum at least 15/30 years for 24 x 7 supply under JJM in the state of Jharkhand, Based on SOR w.e.f, 1 June,2021

40-60 Nos. House Hold

Model -3

ABSTRACT OF COST

SL.	Reference	PARTICULARS	AMOUNT
1	Sub Estimate No. 1	Construction of 2 Nos. 125mm x 115mm x 90.0 M DT	127150.00
2	Sub Estimate No. 2	Provision of 2 Nos. 1.00 HP DC Solar Motor pump Complete set .	240000.00
3	Sub Estimate No. 3	Construction of RCC water storage Tank having Capacity 12000 Liters. 10.00 m Staging .	393975.00
4	Sub Estimate No. 4	Laying of Rising and distribution pipe line work Including house Connection 40-60 Nos.	542966.00
5	Sub Estimate No. 5	Annual repair & maintenance based on Existing D/T Well with solar motor pump for 5 years.	69289.45
6	Sub Estimate No. 6	Bore Fencing Work	18563.00
		Total	1391943.45
		Add 12% GST(6% CGST+ 6% SGST)	167033.21
		Sub Total	1558976.67
		Add 1% Labour Cess	15589.77
		Total-	1574566.43
		Add Contingency 1%	15589.77
		Total	1590156.20
		Say cost for one no. Scheme =	1590156.00

Note:- In case of 2 Nos. GPT, Rs. 2,21,334.00 added in place of DT cost

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DRINKING WATER AND SANITATION DEPARTMENT**

Revised Model Estimate for the Work:-Construction of rural water supply Scheme with 2 Nos. 2.00 HP DC Solar motor pump complete set for Tolas/ Village/ Areas which is not included in MVS and no electricity or less electricity on 2 Nos. 200mmX165mmX120.0 M deep HYDT/ HYGPT having potential to supply water 2000 LPH maximum at least 15/30 years for 24 x7 supply under JJM in the state of Jharkhand, Based on SOR w.e.f, 1 March,2021

60 Nos & above House Hold

Model -04

ABSTRACT OF COST

SL.	Reference	PARTICULARS	AMOUNT
1	Sub Estimate No. 1	Construction of 2 Nos. -Construction of 100mm x 165mm x 120.00 M deep high yield Drilled Tube well	329232.00
2	Sub Estimate No. 2	Provision of 2 Nos. 2.00 HP DC Solar Motor pump Complete set .	343640.00
3	Sub Estimate No. 3	Construction of RCC water storage Tank having Capacity 16000 Liters. 12.00 m Staging .	478457.00
4	Sub Estimate No. 4	Laying of Rising and distribution pipe line work Including house Connection60-80 Nos.	698357.00
5	Sub Estimate No. 5	Annual repair & maintenance based on Existing D/T Well with solar motor pump for 5 years.	72836.77
6	Sub Estimate No. 6	Bore Fencing work.	19348.00
		Total	1941870.77
		Add 12% GST(6% CGST+ 6% SGST)	233024.49
		Sub Total	2174895.27
		Add 1% Labour Cess	21748.95
		Total-	2196644.22
		Add Contingency 1%	21748.95
		Total	2218393.17
		Say cost for one no. Scheme =	2218393.00

Note:- In case of 2 Nos. GPT, Rs. 5,22,198.00 added in place of HYDT cost

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J. List of Habitation wise details of population, FHTC & Proposed Scheme types

Below are the habitation wise details of the schemes proposed. Please note that the type of model proposed is just any indicative details from the department. This has been derived from the basic preliminary survey and has been done to arrive at the project cost for administrative purposes. The Selected bidder will have to conduct surveys and purpose relevant models based on geographical and social requirements.

S.N	Block	Panchayat	Village	Habitation	NO OF FHTC	Population	PARPOSED SVS					No of Scheme
							MODEL 1 A	MODE L 1 B	MODE L 2	MODE L 3	MODE L 4	
1	Kanke	Echapidhi	Echapidhi	<u>Bera Toli</u>	62	370			2			2
2	Kanke	Echapidhi	Echapidhi	<u>Dahu Toli</u>	20	126		1				1
3	Kanke	Echapidhi	Echapidhi	<u>Echapidhi</u>	201	1237			6			6
4	Kanke	Echapidhi	Echapidhi	<u>Mahali Tola</u>	62	387			2			2
5	Kanke	Echapidhi	Echapidhi	<u>Nawa Toli</u>	27	156			1			1
6	Kanke	Echapidhi	Echapidhi	<u>Piru Tola</u>	292	1794			9			9
7	Kanke	Echapidhi	Echapidhi	<u>Sarak Toli</u>	27	172			1			1
8	Kanke	Echapidhi	Heth Konki	<u>Heth Konki</u>	219	1172			7			7
9	Kanke	Echapidhi	Heth Konki	<u>Sarak Toli</u>	97	528			3			3
10	Kanke	Hundur	Chari	<u>Chari</u>	150	774			5			5
11	Kanke	Hundur	Hujir	<u>Hujir</u>	194	1017			6			6
12	Kanke	Jaipur	Garu	<u>Adivashi Tola</u>	112	574			4			4
13	Kanke	Jaipur	Garu	<u>Garu</u>	148	751			5			5
14	Kanke	Jaipur	Jaipur	<u>Harijan Tola</u>	50	215			2	1		3
15	Kanke	Jaipur	Jaipur	<u>Jaipur</u>	31	175			2			2
16	Kanke	Jaipur	Jaipur	<u>Naya Toli</u>	69	340			3			3
17	Kanke	Jaipur	Kadma	<u>Bera Toli</u>	43	245		1	1			2
18	Kanke	Jaipur	Kadma	<u>Devi Tola</u>	41	228		1	1			2
19	Kanke	Jaipur	Kadma	<u>Kadma</u>	30	170			1			1
20	Kanke	Jaipur	Kadma	<u>Munda Toli</u>	62	342			2			2
21	Kanke	Jaipur	Kamta	<u>Kamta</u>	30	165			1			1
22	Kanke	Jaipur	Kamta	<u>Pahan Toli</u>	26	125			1			1
23	Kanke	Jaipur	Kange	<u>Pahar Tola</u>	46	254	1		1			2
Total :-					2039	11317	1	3	66	1	0	71

K. Indicative Cost of Project put to tender.

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