



## **Government of Madhya Pradesh Public Health Engineering Department**

### **Special Tender Document-1 (For Percentage Rates Only in the Public Health Engineering Department for the Preparation of Detailed Project Reports from the Empanelled Consultants in the Department)**

### **Two Stage Bidding Document (Offline bidding)**

## **THIRD CALL**

Preparation of Detailed Project Reports for "Solar Photo Voltaic (SPV) DC Pump Based Piped Water Supply Scheme with source sustainability structures to supply drinking water through household connections of various Villages of Districts mentioned in the NIT with provision of Operation and Maintenance of entire scheme including survey & investigation, design, drawing, preparation of estimates and BOQ etc." complete."

A) Probable Amount of Contract	-	As per NIT
B) Earnest Money	-	As per NIT
C) Cost of Bid Document	-	As per NIT

**GOVERNMENT OF MADHYA PRADESH**  
**Public Health Engineering Department**

**Special Tender Document-1**

(For Percentage Rates Only in the Public Health Engineering Department for the Preparation of Detailed Project Reports from the Empanelled Consultants in the Department)

Office of the : Supertending Engineer (Procurment),  
O/o Engineer in Chief, PHED Jal Bhawan  
Banganga Bhopal (M.P.)

NIT Number and Date : **043/Pro Cell/ENC/PHED/2017-18**  
**Bhopal, Dated 22.09.2017**

Agreement Number and Date : -----

Name of Work : Preparation of Detailed Project  
Reports for "Solar Photo Voltaic  
(SPV) DC Pump Based Piped Water  
Supply Scheme with source  
sustainability structures to supply  
drinking water through household  
connections of various Villages of  
Districts mentioned in the NIT with  
provision of Operation and  
Maintenance of entire scheme  
including survey & investigation,  
design, drawing, preparation of  
estimates and BOQ etc." complete."

Name of the Contractor : -----

Probable Amount of Contract  
(Rs. in Figure) : -----  
(Rs in Words) : -----

Contract Amount  
(Rs. in Figure) : -----  
(Rs in Words) : -----

Stipulated Period of Completion : 01 (One) year including rainy season for  
total work (Scheme wise completion  
period will be as per SCC of NIT).

**Special Tender Document-1**  
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**SECTION 1**  
**Notice Inviting Offline Tenders**  
**Government of Madhya Pradesh**  
**Public Health Engineering Department**

**NIT No. 043/Pro Cell/ENC/PHED/2017-18**

**Bhopal, Dated 22.09.2017**

Offline group wise percentage rate bids as mentioned in table below for the work of **“Preparation of Detailed Project Reports for "Solar Photo Voltaic (SPV) DC Pump Based Piped Water Supply Scheme with source sustainability structures to supply drinking water through household connections of various Villages of Districts mentioned in the NIT with provision of Operation and Maintenance of entire scheme including survey & investigation, design, drawing, preparation of estimates and BOQ etc." complete.”** are invited from the consultant/consultant firms empanelled in the department :

S. No.	Group Name	No. of Villages /Habitation /DPR	Probable Amount of Contract (Rs. In Lakh)	Cost of Bid document (In Rs.)	EMD (In Rs.)	Completi on Period
1	Agar Malwa	40	3.2	2000	6400	01 (One) year including rainy season for total work (Scheme wise completion period shall be as per SCC of NIT).
2	Alirajpur	60	4.8	2000	9600	
3	Ashoknagar	40	3.2	2000	6400	
4	Betul	40	3.2	2000	6400	
5	Bhind	40	3.2	2000	6400	
6	Bhopal	30	2.4	2000	4800	
7	Chhatarpur	40	3.2	2000	6400	
8	Chhindwara	80	6.4	2000	12800	
9	Damoh	40	3.2	2000	6400	
10	Datia	40	3.2	2000	6400	
11	Dewas	40	3.2	2000	6400	
12	Dhar	110	8.8	2000	17600	
13	Guna	40	3.2	2000	6400	
14	Gwalior	110	8.8	2000	17600	
15	Indore	30	2.4	2000	4800	
16	Jabalpur	30	2.4	2000	4800	
17	Jhabua	90	7.2	2000	14400	
18	Katni	40	3.2	2000	6400	
19	Khandwa	40	3.2	2000	6400	
20	Khargone	40	3.2	2000	6400	
21	Mandsaur	40	3.2	2000	6400	
22	Morena	60	4.8	2000	9600	
23	Narsimhapur	40	3.2	2000	6400	
24	Neemuch	40	3.2	2000	6400	
25	Panna	120	9.6	2000	19200	
26	Raisen	40	3.2	2000	6400	
27	Rajgarh	40	3.2	2000	6400	
28	Rewa	70	5.6	2000	11200	
29	Satna	40	3.2	2000	6400	
30	Sehore	70	5.6	2000	11200	

S. No.	Group Name	No. of Villages /Habitation /DPR	Probable Amount of Contract (Rs. In Lakh)	Cost of Bid document (In Rs.)	EMD (In Rs.)	Completi on Period
31	Shajapur	40	3.2	2000	6400	
32	Sheopur	120	9.6	2000	19200	
33	Shivpuri	70	5.6	2000	11200	
34	Sidhi	80	6.4	2000	12800	
35	Singrauli	120	9.6	2000	19200	
36	Tikamgarh	40	3.2	2000	6400	
37	Ujjain	40	3.2	2000	6400	
38	Vidisha	60	4.8	2000	9600	

1. Interested bidders can view the detailed NIT on website [www.mpphed.gov.in](http://www.mpphed.gov.in)
2. The Bid Document can be downloaded from the website [www.mpphed.gov.in](http://www.mpphed.gov.in) as per the key dates mentioned in the NIT. Cost of bid document shall be paid by demand draft in favour of DDO, O/o Engineer in Chief PHED payable at Bhopal and this demand draft will be submitted to the NIT issuing authority at the time of submission of bid.
3. Interested bidders are requested to read the condition of NIT including SCC while preparing their bids.
4. Amendments to NIT, if any, would be published on website [www.mpphed.gov.in](http://www.mpphed.gov.in) only.
5. Separate sealed Envelope-A and C shall be kept in one main Envelope and submitted to this office. Bidder should clearly mention the NIT No. and Group Name on each Envelopes

Supertending Engineer (Proc.)  
O/o Engineer in Chief PHED  
Bhopal

**Notice Inviting Tender**  
**Government of Madhya Pradesh**  
 Superintending Engineer (Procurement)  
 O/o E-in-C PHED  
 Jal Bhawan, Banganga Bhopal

NIT No. 043 /Pro Cell/ENC/PHED/2017-18

Bhopal, Dated 22/09 2017

**THIRD CALL**

Offline group wise percentage rate bids as mentioned in table below for the work of "Preparation of Detailed Project Reports for "Solar Photo Voltaic (SPV) DC Pump Based Piped Water Supply Scheme with source sustainability structures to supply drinking water through household connections of various Villages of Districts mentioned in the NIT with provision of Operation and Maintenance of entire scheme including survey & investigation, design, drawing, preparation of estimates and BOQ etc." complete." are invited from the consultant/consultant firms empanelled in the department :

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36	Tikamgarh	40	3.2	2000	6400	
37	Ujjain	40	3.2	2000	6400	
38	Vidisha	60	4.8	2000	9600	

- All details relating to the Bid Document(s) can be viewed and downloaded free of cost on the website <http://www.mpphed.gov.in> .
- The Bid Document can be downloaded from the website [www.mpphed.gov.in](http://www.mpphed.gov.in) as per the key dates mentioned in the NIT. Cost of bid document shall be paid by demand draft payable to DDO O/o E-in-C PHED Bhopal and this demand draft will be submitted to the NIT issuing authority at the time of submission of bid.
- At the time of submission of the Bid the eligible bidder shall be required to:
  - Pay the cost of Bid Document;
  - Deposit the Earnest Money;
  - Copy of Empanelment certificate/letter  
(Details can be seen in the Bid Data Sheet.)
- ELIGIBILITY FOR BIDDERS:**
  - At the time of submission of the Bid the bidder should have valid empanellment in the PHE Department.
  - Failure to sign the contract by the selected bidder, for whatsoever reason, shall result in forfeiture of the earnest money deposit.
- The Bid Document can be downloaded from the website [www.mpphed.gov.in](http://www.mpphed.gov.in) as per the key dates mentioned in the NIT. Cost of bid document shall be paid by demand draft payable to DDO O/o E-in-C PHED Bhopal and this demand draft will be submitted to the NIT issuing authority at the time of submission of bid.
- Amendments to NIT, if any, would be published on website [www.mpphed.gov.in](http://www.mpphed.gov.in) only, and not in newspapers.

  
 Supertending Engineer (Proc.)  
 O/o Engineer in Chief PHED  
 Bhopal



## **SECTION 2**

### **INSTRUCTIONS TO BIDDERS (ITB)**

#### **GENERAL**

##### **1. SCOPE OF BID**

The detailed description of work, hereinafter referred as 'work', is given in the Bid Data Sheet.

##### **2. General Quality of Work:**

The work shall have to be executed in accordance with the technical specifications specified in the Bid Data sheet/ Contract Data, and shall have to meet high standards of workmanship, safety and security of workmen and works.

##### **~~3. PROCEDURE FOR PARTICIPATION IN E-TENDERING~~**

~~———— The procedure for participation in e-tendering is given in the Bid Data Sheet.~~

##### **4. ONE BID PER BIDDER**

~~———— 4.1 The bidder can be an individual entity or a joint venture (if permitted as per Bid Data Sheet). In case the J.V. is permitted, the requirement of joint venture shall be as per the Bid Data Sheet.~~

4.2 No bidder shall be entitled to submit more than one bid whether jointly or severally. If he does so, all bids wherein the bidder has participated shall stand disqualified.

##### **5. Cost of Bidding**

The bidder shall bear all costs associated with the preparation and submission of his bid, and no claim whatsoever for the same shall lie on the Government.

##### **6. Site Visit and examination of works**

The bidder is advised to visit and inspect the Site of Works and its surroundings and obtain for itself on its own responsibility all information that may be necessary for preparing the bid and entering into a contract for construction of the work. All costs in this respect shall have to be borne by the bidder.

#### **B. Bid Documents**

##### **7. CONTENT OF BID DOCUMENTS**

The Bid Document comprises of the following documents:

1. NIT with all amendments.
2. Instructions to Bidders, Bid Data Sheet with all Annexures
3. Conditions of Contract:
  - i. Part I General Conditions of Contract and the Contract Data with all Annexures; and
  - ii. Part II Special Conditions of Contract.
4. Specifications
5. Drawings
6. Priced Bill of Quantities
7. Technical and Financial Bid
8. Letter of Acceptance
9. Agreement, and
10. Any other document(s), as specified.



8. The bidder is expected to examine carefully all instructions, conditions of contract, the contract data, forms, terms and specifications, bill of quantities, forms and drawings in the Bid Document. Bidder shall be solely responsible for his failure to do so.
9. Pre-Bid Meeting (where applicable) Wherever the Bid Data Sheet provides for pre-bid meeting:
  - 9.1 Details of venue, date and time would be mentioned in the Bid Data Sheet. Any change in the schedule of pre-bid meeting would be communicated on the website only, and intimation to bidders would not be given separately.
  - 9.2 Any prospective bidder may raise his queries and/or seek clarifications in writing before or during the pre-bid meeting. The purpose of such meeting is to clarify issues and answer questions on any matter that may be raised at that stage. The Employer may, at his option, give such clarifications as are felt necessary.
  - 9.3 Minutes of the pre-bid meeting including the gist of the questions raised and the responses given together with any response prepared after the meeting will be hosted on the website [www.mpphed.gov.in](http://www.mpphed.gov.in).
  - 9.4 Pursuant to the pre-bid meeting if the Employer deems it necessary to amend the Bid Document, it shall be done by issuing amendment to the offline NIT.
10. Amendment of Bid Documents
  - 10.1 Before the deadline for submission of bids, the Employer may amend or modify the Bid Documents by publication of the same on the website.
  - 10.2 All amendments shall form part of the Bid Document.
  - 10.3 The Employer may, at its discretion, extend the last date for submission of bids by publication of the same on the website.

### **C. Preparation of Bid**

11. ~~The bidders have to prepare their bids online, encrypt their Bid Data in the Bid Forms and submit Bid Seals (Hashes) of all the envelopes and documents related to the Bid required to be uploaded as per the time schedule mentioned in the key dates of the Notice Inviting e-Tenders after signing of the same by the Digital Signature of their authorized representative.~~

### **12. DOCUMENTS COMPRISING THE BID**

The bid submitted ~~online~~ by the bidder shall be in the following parts:

**Part 1** – This shall be known as Offline **Envelope A** and would apply for all bids. Offline **Envelop A** shall contain the following as per details given in the Bid Data Sheet:

- i) Demand draft for Payment of the cost of Bid Document;
- ii) Earnest Money; and
- iii) Copy of Empanelment certificate/letter

**Part 2** – This shall be known as Envelope C and would apply to all bids.

**Envelop C** shall contain financial offer in the prescribed format enclosed with the Bid Data Sheet.

### **13. Language**

The bid as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Employer shall be in English or Hindi. Supporting documents and printed literature that are part of the Bid may be in another language provided they are accompanied by an accurate translation of the relevant passages in English.

In such case, for the purposes of interpretation of the bid, such translation shall govern.

#### **14. TECHNICAL PROPOSAL**

14.1 Only, in case of bids with pre-qualification conditions defined in the Bid Data Sheet, the Technical Proposal shall comprise of formats and requirements given in the Bid Data Sheet.

14.2 All the documents/ information enclosed with the Technical Proposal should be self- attested and certified by the bidder. The Bidder shall be liable for forfeiture of his earnest money deposit, if any document / information are found false/ fake/ untrue before acceptance of bid. If it is found after acceptance of the bid, the bidsanctioning authority may at his discretion forfeit his performance security/ guarantee, security deposit, enlistment deposit and take any other suitable action.

#### **15. FINANCIAL BID**

- i. The bidder shall have to quote rates in format referred in Bid Data Sheet, in overall percentage, and not item wise. If the bid is in absolute amount, overall percentage would be arrived at in relation to the probable amount of contract given in NIT. The overall percentage rate would apply for all items of work.
- ii. Percentage shall be quoted in figures as well as in words. If any difference in figures and words is found, lower of the two shall be taken as valid and correct.
- iii. The bidder shall have to quote rates inclusive of all duties, taxes, royalties and other levies; and the Employer shall not be liable for the same.
- iv. The material along with the units and rates, which shall be issued, if any, by the department to the contractor, is mentioned in the Bid Data Sheet.

#### **16. PERIOD OF VALIDITY OF BIDS**

The bids shall remain valid for a period specified in the Bid Data Sheet after the date of “close for bidding” as prescribed by the Employer. The validity of the bid can be extended by mutual consent in writing.

#### **17. EARNEST MONEY DEPOSIT (EMD)**

- 17.1 The Bidder shall furnish, as part of the Bid, Earnest Money Deposit (EMD), in the amount specified in the Bid Data Sheet.
- 17.2 The EMD shall be in the form of Fixed Deposit Receipt of a scheduled commercial bank, issued in favour of the name given in the Bid Data Sheet. The Fixed Deposit Receipt shall be valid for six months or more after the last date of receipt of bids. However, other form(s) of EMD may be allowed by the Employer by mentioning it in the Bid Data Sheet.
- 17.3 Bid not accompanied by EMD shall be liable for rejection as non-responsive.
- 17.4 EMD of bidders whose bids are not accepted will be returned within ten working days of the decision on the bid.

- 17.5 EMD of the successful Bidder will be discharged when the Bidder has signed the Agreement after furnishing the required Performance Security.
- 17.6 Failure to sign the contract by the selected bidder, within the specified period, for whatsoever reason, shall result in forfeiture of the earnest money deposit.

#### **D. Submission of Bid**

- 18. The bidder is required to submit ~~online~~ bid duly signed ~~digitally~~, and Envelop 'A' in physical form also at the place prescribed in the Bid Data Sheet.

#### **E. Opening and Evaluation of Bid**

### **19 PROCEDURE**

- 19.1 Envelope 'A' shall be opened first ~~online~~ at the time and date notified and its contents shall be checked. In cases where Envelop 'A' does not contain all requisite documents, such bid shall be treated as non-responsive, and Envelop ~~B and/or~~ C of such bid shall not be opened.
- 19.2 ~~Wherever Envelop 'B' (Technical Bid) is required to be submitted, the same shall be opened online at the time and date notified in the Bid Data Sheet. The bidder shall have freedom to witness opening of the Envelop 'B'. Envelop 'C' (Financial Bid) of bidders who are not qualified in Technical Bid (Envelop 'B') shall not be opened.~~
- 19.3 Envelope 'C' (Financial Bid) shall be opened ~~online~~ at the time and date notified. The bidder shall have freedom to witness opening of the Envelop 'C'.
- 19.4 After opening Envelop 'C' all responsive bids shall be compared to determine the lowest evaluated bid.
- 19.5 The Employer reserves the right to accept or reject any bid, and to annul the bidding process and reject all the bids at any time prior to contract award, without incurring any liability. In all such cases reasons shall be recorded.
- 19.6 The Employer reserves the right of accepting the bid for the whole work or for a distinct part of it.

### **20. Confidentiality**

- 20.1 Information relating to examination, evaluation, comparison and recommendation of contract award shall not be disclosed to bidders or any other person not officially concerned with such process until final decision on the bid.
- 20.2 Any attempt by a bidder to influence the Employer in the evaluation of the bids or contract award decisions may result in the rejection of his bid.

#### **F. Award of Contract**

### **21. Award of Contract**

The Employer shall notify the successful bidder by issuing a 'Letter of Acceptance' (LOA) that his bid has been accepted.

### **22. Performance Security**

- 22.1 Prior to signing of the Contract the bidder to whom LOA has been issued shall have to furnish performance security of the amount in the form and for the duration, etc. as specified in the Bid Data Sheet.

- 22.2 Additional performance security, if applicable, is mentioned in the Bid Data Sheet and shall be in the form and for the duration, etc. similar to performance security.

**23. Signing of Contract Agreement**

- 23.1 The successful bidder shall have to furnish Performance security and Additional Performance Security, if any and sign the contract agreement within 15 days of issue of LOA.
- 23.2 The signing of contract agreement shall be reckoned as intimation to commencement of work. No separate work order shall be issued by the Employer to the contractor for commencement of work.
- 23.3 In the event of failure of the successful bidder to submit Performance Security and Additional Performance Security, if any or sign the Contract Agreement, his EMD shall stand forfeited without prejudice to the right of the employer for taking any other action against the bidder.

**24. CORRUPT PRACTICES**

The Employer requires that bidders observe the highest standard of ethics during the procurement and execution of contracts. In pursuance of this policy, the Employer:

- i. may reject the bid for award if it determines that the bidder recommended for award has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract; and
  - ii. may debar the bidder declaring ineligible, either indefinitely or for a stated period of time, to participate in bids, if it at any time determines that the bidder has, directly or through an agent, engaged in corrupt, fraudulent, collusive, or coercive practices in competing for, or in executing, a contract.
- For the purposes of this provision, the terms set forth above are defined as follows:
- a. "corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;
  - b. "fraudulent practice" means any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
  - c. "coercive practice" means impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence improperly the actions of a party;
  - d. "collusive practice" means an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party.

**[End of ITB]**

## Bid Data Sheet

<b>GENERAL</b>		
<b>SR. No.</b>	<b>PARTICULARS</b>	<b>DATA</b>
1	Office Inviting Tender	Supertending Engineer (Proc.) O/o Engineer in Chief PHED Jal Bhawan Banganga Bhopal (M.P.)
2	NIT No.	<b>043/Pro Cell/ENC/PHED/2017-18</b> <b>Bhopal, Dated 22.09.2017</b>
3	Date of NIT	22.09.2017
4	Bid document download available from date & time	As per NIT
5	Website link	<a href="http://www.mpphed.gov.in">http:// www.mpphed.gov.in</a>
<b>SECTION 1 - NIT</b>		
<b>CLAUSE REFERE NCE</b>	<b>PARTICULARS</b>	<b>DATA</b>
2	Portal Fees	Nil
3	Cost of Bid Document	As per NIT
	Cost of Bid Document Payable at	As per NIT
	Cost of Bid Document In favor of	As per NIT
4	Affidavit Format	<b>Not applicable</b>
5	Pre-qualifications required	No
	If Yes, details	<del>Annexure C</del>
6	Special Eligibility (if yes, prior permission of E-in-C required)	No
7	Key dates	As per 'Annexure -A'

## Bid Data Sheet

SECTION 2 - ITB <sup>1</sup>		
CLAUSE REFERENCE	PARTICULARS	DATA
1	Name of the 'Work'	Preparation of Detailed Project Reports for "Solar Photo Voltaic (SPV) DC Pump Based Piped Water Supply Scheme with source sustainability structures to supply drinking water through household connections of various Villages of Districts mentioned in the NIT with provision of Operation and Maintenance of entire scheme including survey & investigation, design, drawing, preparation of estimates and BOQ etc." complete.".
2	Specifications	As per 'Annexure – E'
3	Procedure for participation in e-tendering	<b>Not Applicable</b>
4	Whether Joint Venture is allowed	<b>No.</b> Only Empanelled consultant/ Consultant firm allowed
	If Yes, requirement for joint Venture	<del>As per 'Annexure – G'</del>
	Pre bid meeting to be held	Yes
9	If Yes, Date, Time & place	Place : Supertending Engineer (Proc.) O/o Engineer in Chief PHED Jal Bhawan Banganga Bhopal (M.P.)  As per Key Dates provided in Annexure –A or as amended
12	<b>Envelope-A</b> containing : i. Demand draft for Payment of the cost of Bid Document; ii. Earnest Money; and iii. Copy of Empanelment certificate / letter should reach in physical form to:	Supertending Engineer (Proc.) O/o Engineer in Chief PHED Jal Bhawan Banganga Bhopal (M.P.)
14	<del><b>Envelope-B</b></del> Technical Proposal	<del>As per 'Annexure – I'</del> Annexure-I and Format I-1 to I-5
	<b>Envelope-C</b> Financial Bid	As per 'Annexure - J '
15	Materials to be issued by the department	<del>Nil As per 'Annexure – K'</del>
16	Period of Validity of Bid	<b>120 Days</b> from the date of submission of Bid

### Bid Data Sheet

CLAUSE REFERENCE	PARTICULARS	DATA
17	Earnest Money Deposit	As per NIT (Group wise)
	Forms of Earnest Money Deposit	FDR/ e-FDR
	EMD valid for a period of	Valid contract period plus 03 Months (15 Months)
	FDR must be drawn in favour of	Executive Engineer PHE Division of concerning district
21	Letter of Acceptance (LoA)	As per 'Annexure - L'
22	Amount of Performance Security	<del>5% of Contract Amount</del> As per SCC Clause 13
	Additional Performance Security, if any	Nil
	Performance Security in the format	<del>As per 'Annexure - M'</del> / FDR in favour of EE PHE Division of concerning district.
	Performance Security in favour of	Executive Engineer PHE Division of concerning district.
	Performance Security valid up to	Valid completion period plus 03 months.
	<del>Additional Performance Security valid up to</del>	<del>Valid completion period plus 03 months.</del>

Original term deposit receipt of earnest money deposit, demand draft for the cost of bid document and letter of empanment shall be submitted by the bidder so as to reach the office as prescribed in Bid Data Sheet, on or before specified start time and date in key dates for opening of technical proposal as per Key dates in Bid Data Sheet.



### Key Dates

NIT No. 043/Pro Cell/ENC/PHED/2017-18

Bhopal, Dated 22.09.2017

S. No.	Works Department Stage	Bidder's Stage	Start		Expiry		Envelopes
			Date	Time	Date	Time	
1.		Purchase of Tender – Offline	22.09.17	11:00 AM	03.10.17	12.30 PM	
2.		Bid Submission – Offline			03.10.17	1.30 PM	
3.		Submission of Envelope-A and C (Physical)			03.10.17	1.30 PM	Envelope-A and C physically shall be submitted in the office of the <b>NIT</b> issuing authority
4.	Pre Bid Meeting		28.09.17	3:30 PM			
5.	Opening of Mandatory Envelope A and C		03.10.17	3:30 PM			Envelope-A and C

**|| AFFIDAVIT ||****(To be contained in Envelope A)****(On Non Judicial Stamp of Rs. 50)**

I/we \_\_\_\_\_ who is/are \_\_\_\_\_ (status in the firm/ company) and competent for submission of the affidavit on behalf of M/S \_\_\_\_\_ (contractor) do solemnly affirm an oath and state that:

I/we am/are fully satisfied for the correctness of the certificates/records submitted in support of the following information in bid documents which are being submitted in response to notice inviting e-tender No. \_\_\_\_\_ for \_\_\_\_\_ (name of work) dated \_\_\_\_\_ issued by the \_\_\_\_\_ (name of the department).

I/we am/ are fully responsible for the correctness of following self-certified information/ documents and certificates:

- 1 That the self-certified information given in the bid document is fully true and authentic.
- 2 That:
  - a. Term deposit receipt deposited as earnest money, demand draft for cost of bid document and other relevant documents provided by the Bank are authentic.
  - b. Information regarding financial qualification and annual turnover is correct.
  - c. Information regarding various technical qualifications is correct.
- 3 No close relative of the undersigned and our firm/company is working in the department.

OR

Following close relatives are working in the department:

Name \_\_\_\_\_ Post \_\_\_\_\_ Present Posting \_\_\_\_\_

**Signature with Seal of the Deponent (bidder)**

I/ We, \_\_\_\_\_ above deponent do hereby certify that the facts mentioned in above paras 1 to 4 are correct to the best of my knowledge and belief.

Verified today \_\_\_\_\_ (dated) at \_\_\_\_\_ (place).

**Signature with Seal of the Deponent (bidder)**

Note: Affidavit duly duly notarized in original shall reach at least one calendar day before opening of the bid.

**PRE-QUALIFICATIONS CRITERIA**

**The bidder should have:**

**A. Financial**

Nil

**B. Physical**

The bidder should have constructed RCC Over Head Tanks of 33% capacity of the OHT included in this NIT.

**Note :-**

If interested bidder has not executed these works (Intake well, Anicut, Treatment Plant and Over Head Tanks), then he can submit an agreement (on Rs. 1000/- non judicial stamp paper duly notarized) with an experienced contractor to execute this work on his behalf at the time of bid submission. This experienced contractor should also have a valid registration in MPPWD central registration system at the time of agreement between the department and the qualifying bidder. This experienced contractor should have an experience certificate of execution of these works issued by an officer not below the rank of Executive Engineer.

The total value of the work to be executed by such experienced contractor(s) shall not exceed 25 percent of the Probable Amount of Contract (PAC).

If any bidder/contractor has constructed RCC Over Head Tanks in private sector in Madhya Pradesh during the last 3 years, he can also participate in the bid process. Such bidder/contractor should request the EE PHED of the concerned District where he has completed such construction works, to issue an experience certificate. The concerned E.E will verify the said works and issue a certificate stating therein the year of construction, capacity, cost and quality of work etc.

**SPECIAL ELIGIBILITY CRITERIA**

**NIL**

## **Specifications**

### **TECHENICAL SPECIFICATIONS**

**Name of Work :- Preparation of Detailed Project Reports for "Solar Photo Voltaic (SPV) DC Pump Based Piped Water Supply Scheme with source sustainability structures to supply drinking water through household connections of various Villages of Districts mentioned in the NIT with provision of Operation and Maintenance of entire scheme including survey & investigation, design, drawing, preparation of estimates and BOQ etc." complete."**

#### **Scope of Work –**

Individual Detailed Project Report of Solar Photo Voltaic (SPV) DC Pump Based piped water supply schemes is to be prepared for identified Villages/Habitations by the consultants/consultant firms. Village/Habitations wise schemes shall be designed and estimation of the village wise scheme covering OHT/GSR, distribution network, house hold connections shall be done. Water will be supplied from the scheme through OHT/GSRs to be proposed or existing in the village. DPR shall be prepared in accordance to the guidelines of Ministry of Drinking Water and Sanitation, Gol published in 2013.

#### **1. Brief scope of work for Preparation of Detailed Project Report (DPR) is as under:**

- Scheme wise DPR including estimate and BOQ for NIT has to be prepared.
- Population forecasting considering base year as 2018.
- Sustainability structures for source of scheme.
- Survey of suitable water source(s) for the scheme, calculation of service reservoir capacity.
- House service connection.
- Consultant has to submit general layout/arrangement drawings along with drawings of each component of the scheme including distribution network.
- Survey for sustainability structures using HGM maps, selection of site for sustainability structures in consultation with Hydro-geologist.
- Trial pit for strata detail for estimation purpose.
- Hydraulic designs of all components of the schemes i.e. Storage Reservoir, conveyance mains, pumps etc.
- Estimates for providing electrical connection to be obtained from Distribution Company.
- Preparation of detailed coloured computerized drawings of the existing and proposed structures, L-section with plan of pumping/conveyance mains and distribution system, detailed quantity and abstract estimates, Operation and Maintenance estimate along with proposal of revenue generation.
- Automation system, if required.
- O&M Plan for scheme including source sustainability structures for 20 years.

#### **2. Design Guidelines for various componenets of the scheme :-**

Design of schemes shall be done in accordance to the guidelines of MPPHED. Components not covered in the guidelines of MPPHED then "Manual for

Preparation of Detailed Project Report for Rural Piped Water Supply Schemes” published in February 2013 by Ministry of Drinking Water and Sanitation, Govt. of India shall be followed and the components not covered in this manual shall have to be designed as per Latest CPHEEO Manual on Water Supply and Treatment by the consultant.

In case of solar pumps based schemes the Guidelines of MPHEED shall be followed. Design of PV panel and SPV DC pumps shall be done in accordance to the guidelines of Ministry of New and renewable Energy, GoI and latest IE Rules for DC/AC cables, starter, panel boards, attached with proposed SPV DC pumps.

### **3. Survey & Investigation Works:**

Field survey and levelling work to be carried out in connection with sources, location of service reservoir, alignment and longitudinal sections of conveyance main and distribution lines. Detailed maps of all villages showing location of houses, schools, markets, hospitals, important public buildings and industries and other institutions etc should be given.

Carrying out necessary detailed survey for suitable source, Over Head Tank etc. Topographical survey for conveyance main, village distribution system etc.

The survey and investigation part shall therefore, consists of detailed survey, close investigations and other aspects as under -

Survey would consist of chain and compass, Theodolite survey and levelling by Total Station at an interval of every 30m and at horizontal/vertical bend locations. Additional levels should also be taken where important features like humps, dips, obstacles, crossing, roads, railways, rivers, etc. are met with, and as directed, with the help of Total station, theodolite, auto level and other modern survey instruments.

The results of the actual survey including L-Section of the pumping/conveyance mains, L & X- Section for approach road (if required) are to be plotted on drawings to a suitable scale as approved by the Engineer-in-Charge. Consultant will submit survey book in hard & soft copy with the final DPR.

The levels are required to be co-related to MSL, Permanent, as well as Temporary Bench Marks will have to be established at places as specified by Engineer-in-charge during surveying and these details should be made available in writing to Executive Engineer, Public Health Engineering Division of respective district or as directed by Engineer-in-Charge.

Consultant shall install at least two Bench Marks on permanent plinths of the structures as per direction of Engineer in charge, on which chainage and RL shall be painted with red paint. The consultant shall submit list of benchmarks so prepared.

Trial Pits for soil investigation shall be taken as per standard procedure at OHT/GSR/Sump site and appropriate interval along the proposed pipe line alignment to clearly define the soil strata which will result to accurate calculation/estimation of the excavation item. Consultant has to prepare strata chart and enclose with the DPR. Estimation for excavation and refilling shall be

done according to the available strata to derive true picture of the terrain. For OHT/GSR at least one trial pit for the depth which is suitable for the foundation of the proposed structure shall be taken.

#### 4. **Drawings of all Components of the Scheme:-**

Detailed colored computerized drawings such as Index map showing area under consideration along with major proposed works, schematic diagram, detailed village map showing existing and proposed works along with main features of villages. Consultant has to submit general arrangement drawings along with drawings of each component of the scheme for estimation purpose only. Hydraulics/Design/Drawings as applicable for pipeline, OHTs, GSRs, Fencing Work, boundary wall of OHTs/GSRs, sump, pump houses, have to be prepared by the consultant along with L-Section drawings with plan of pumping/conveyance mains and distribution system on village maps indicating existing pipelines, if any. The Consultant shall submit the Khasra number and Map of the land required with the location of unit on that particular Khasra Map.

#### 5. **Preparation of Cost Estimates & DPR :-**

Preparation of detailed quantity and abstract estimates, report for execution of works like Conveyance mains (pumping/gravity) with appurtenances, Pillars, Thrust block etc., Over Head Tank, Distribution systems, Over Head Tanks/Ground Level Service reservoir/GSRs, Pump houses & Other components of schemes, Land acquisition, Operation and Maintenance Estimate along with proposal of revenue generation, writing technical report, Compilation of Design, Drawing, Estimates etc. & submission of 6 copies of final DPR along with soft copies in CD/DVD.

Detailed estimates for each component of the scheme shall be prepared in accordance with design and drawing.

The detailed estimates are to be prepared on :-

##### 1. **For Pumps :**

Electric motor pumps - LUN or current market rates.

Solar pump and panels - Current rates of MP Urja Vikas Nigam Ltd.

##### 2. **OHT/GSR/Sump :** PHE SOR/Prevailing rates in the department .

##### 3. **For other items :** As per latest SOR's of MPPHED, MPUADD, M.P. PWD, M.P. WRD & M.P.V.V. CO. Ltd. etc. whichever is applicable. However, the Executive Engineer should be consulted regarding applicability of the USoRs before preparation of the cost estimates.

##### 4. Rates of items not covered in the above SORs shall be derived from the rate analysis based on market rates. Rate analysis of such items shall be submitted with estimates/BOQ.

#### 6. **Source :-**

Source for the scheme shall be identified by the department. In case existing tubewell/dugwell in the village or nearby location which is /are not having sufficient yield to cater the designed population of the scheme, then new source



may be proposed at site selected using HGM in consultation with Hydro-geologist. Sustainability structure near to source should be proposed in consultation with Hydro-geologist.

## **7. Sustainability Structures :-**

In order to maintain the sustainability of the source proposed to be used as source of the scheme, a suitable recharging structure/arrangement as per guide line of the department has to be provided in the scheme. The provision of type of structure shall be justified by the consultant in the scheme. Estimates of O&M for a period of 5yrs for sustainability structures shall be prepared which will be part of DPR.

## **8. Pumps :-**

Design of electric motor pumps with accessories shall be done in accordance to the prevailing guidelines. Energy efficient BEE 5 star rated pump/motor as per requirement of the scheme shall be proposed.

In case of solar pumps based schemes the Guidelines of MPHED shall be followed. Design of PV panel and SPV DC pumps shall be done in accordance to the guidelines of Ministry of New and renewable Energy, GoI and latest IE Rules for DC/AC cables, starter, panel boards, attached with proposed SPV DC pumps.

## **9. House hold service connection :-**

Provision of house hold connections shall be made in the estimates preferably for 100% families. The house hold connection shall be provided with 15 mm dia. GI/CPVC pipes through the ferrule/saddle in the distribution network. Maximum length of 15 mm dia. pipe for individual house hold connection shall be kept 6m or up to the boundary of the house. Operating valves and valve chambers should be designed and proposed accordingly. Valves shall be provided keeping in view of maintenance.

## **10. Dis-infection:-**

Appropriate online system (NEERI approved technology) prior to the distribution of water shall be proposed after consultation with Engineer in Charge.

## **11. Operation and Maintenance :-**

Operation & Maintenance (O&M) manual will be prepared by the consultant covering the staff, chemical and other cost etc. To meet out the Operation & Maintenance cost, consultant shall derive the tariff charges after social survey depending up on the paying capacity of the consumers. Provision for O&M of the scheme by the contractor for 2 years after commissioning of the scheme shall be made in the estimates/ BOQ of DPR. Conditions for O&M shall be clearly defined in the DPR, which shall be extendable to next 3 yrs with mutual consent of contractor and department. Proper rate analysis to derive the annual O&M for additional 3 years on annual basis shall be given in the DPR. The responsibilities (Scope of work) of the contractor during O&M should also be clearly defined in the DPR.

Consultant will suggest the suitable mechanism for O&M of the scheme. The mechanism shall include formation of committees, tariff, and collection of tariff, management of financial, material and labour resources.

While preparing the O&M manual, Guidelines of “Operation and maintenance for rural water supplies” published in May 2013 by Ministry of Drinking Water and Sanitation, Govt. of India shall be followed. In case any criteria/provision for designing is not given in the above manual then criteria of Latest CPHEEO Manual on Water Supply and Treatment shall be taken.

## **12. Automation system, if required:-**

Provision of Automation for Pumps has to be made in the scheme so that the operation of all pumps can be controlled automatically like provision of dry run sensor, autolevel controller etc.

## **13. Land Acquisition :-**

After the location of GSR or ESR, Conveyance Mains, Distribution system etc. are decided, the Consultants should work out the extent of land required to be acquired (if any) at specified places.

Having finalized the locations of various works, these details should be shown on the drawing showing the area of land proposed to be acquired. The consultant should furnish these details, so that department can proceed with the work of land acquisition.

## **14. Important Terms & Conditions :-**

- As detailed above, the DPR should be prepared for piped water supply schemes for villages of proposed district. At the time of preparation of DPR, there is possibility of addition, alteration and omission of villages due to non-feasibility.
- Alignment of pipelines should be proposed along the road or approach road of the village/habitation.
- The consultant is required to submit two copies of draft DPR to Executive Engineer, Public Health Engineering Department of concerned district and make presentation before the Executive Engineer, Public Health Engineering Department, of concerned district to justify the components taken in the DPR. The changes/suggestions, if any, shall be incorporated and included in the final DPR by the consultant.
- The final DPR of the scheme shall be submitted in 06 hardcopy and soft copy (CD/DVD) after getting approval from competent authority.
- The consultants shall collect and compile data required for the scheme from respective Govt. authorities, and M.P. PHED.
- The Detailed Project Report is to be prepared with such accuracy that actual execution to be taken afterwards should not suffer from :
  - Inaccurate and inadequate survey and investigation.
  - Change in the location of various components.
  - Major changes in designs and type of work involved.

- Inadequate survey, quantification, estimation, acquaintance with site conditions.
- Study therefore, be carried out with more details, so that the working estimates framed by the Consultants and the quantities mentioned therein shall fairly tally with the actual execution within 5% of the provisions made in the detailed project report. The estimate to be prepared should be in detail.
- Proper design of various components is expected in the Detailed Project Report so as to provide realistic cost in DPR. Submission of contour maps shall be the essential feature of the Project Report. The site conditions are therefore, required to be observed and studied carefully as regards their suitability and adequacy and any other specific problems such as land development, foundation condition etc.
- Restoration of damaged roads and services after providing and laying pipelines shall also have to be taken into account and accordingly estimates of pipe line laying to be prepared.
- Selection of sites and location of various sub works should be such that there would not be any major difficulty in acquiring the lands and there would not be any need to shift sites or locations of various components of the scheme. The consultants should take cognizance of site conditions, so as to present true picture. Due consideration is to be given to encroachment, if any.
- The investigations include information about all conditions, water table, pipelines and cables, etc. Consultants, during the stage of compilation of report should keep informed Executive Engineer, P.H.Engg. Division or Engineer-in-Charge.
- The details of the villages i/c habitations with its present scenario of water supply should also be included in the DPR.
- Consultant shall be responsible for Clearance/Approval of DPR from the competent authority of the department.
- Rates quoted by the firm shall include the cost of all scope of work as stipulated in Annexure-E “Technical Specification” and other conditions in the NIT.
- BOQ for NIT shall be prepared by the consultant as per direction of Engineer-in-Charge.

(See clause 3 of Section 2-ITB)

**Procedure for participation in e-tendering****1. Registration of bidders on e-tendering System:**

— All the PWD registered bidders are already registered on the new e-procurement portal <https://www.mpeproc.gov.in>. The user id will be the contractor Id provided to them from MP Online. The password for the new portal has been sent to the bidders registered email ID. for more details may contact M/s.Tata Consultancy Services Corporate Block, 5th floor, DB City Bhopal 462011 email id [Eproc\\_helpdesk@mpsdc.gov.in](mailto:Eproc_helpdesk@mpsdc.gov.in) helpdesk phone numbers are available on website.

**2. Digital Certificate:**

— The bids submitted online should be signed electronically with a Class III Digital Certificate to establish the identity of the bidder submitting the bid online. The bidders may obtain Class III Digital Certificate issued by an approved Certifying Authority authorized by the Controller of Certifying Authorities, Government of India. A Class III Digital Certificate is issued upon receipt of mandatory identity proofs along with an application. Only upon the receipt of the required documents, a Digital Certificate can be issued. For details please visit [cca.gov.in](http://cca.gov.in)

**Note:**

i. — It may take upto 7 working days for issuance of Class III Digital Certificate; hence the bidders are advised to obtain the certificate at the earliest. Those bidders who already have valid Class III Digital Certificate need not to obtain another Digital Certificate for the same.

— The bidders may obtain more information and the Application Form required to be submitted for the issuance of Digital Certificate from the [cca.gov.in](http://cca.gov.in).

ii. — Bids can be submitted till submission end date. Bidder will require digital signature while bid submission.

— The digital certificate issued to the Authorized User of a Partnership firm / Private Limited Company / Public Limited Company and used for online bidding will be considered as equivalent to a no-objection certificate / power of attorney to that user.

— In case of Partnership firm, majority of the partners have to authorize a specific individual through Authority Letter signed by majority of the partners of the firm.

— In case of Private Limited Company, Public Limited Company, the Managing Director has to authorize a specific individual through Authority Letter. Unless the certificate is revoked, it will be assumed to represent adequate authority of the specific individual to bid on behalf of the organization for online bids as per Information Technology Act 2000. This Authorized User will be required to obtain a Digital Certificate. The Digital Signature executed through the use of Digital

~~Certificate of this Authorized User will be binding on the firm. It shall be the responsibility of Management / Partners of the concerned firm to inform the Certifying Authority, if the Authorized User changes, and apply for a fresh Digital Certificate for the new Authorized User.~~

### **~~3. Set Up of Bidder's Computer System:~~**

~~In order for a bidder to operate on the e-tendering System, the Computer System of the bidder is required to be set up for Operating System, Internet Connectivity, Utilities, Fonts, etc. The details are available at <https://www.mpeproc.gov.in>~~

### **~~4. Key Dates:~~**

~~The bidders are strictly advised to follow the time schedule (Key Dates) of the bid on their side for tasks and responsibilities to participate in the bid, as all the stages of each bid are locked before the start time and date and after the end time and date for the relevant stage of the bid as set by the Department.~~

### **~~5. PREPARATION AND SUBMISSION OF BIDS:~~**

~~The bidders have to prepare their bids online, encrypt their Bid Data in the Bid forms and submit Bid of all the envelopes and documents related to the Bid required to be uploaded (of all the envelopes) as per the time schedule mentioned in the key dates of the Notice Inviting e-Tenders after signing of the same by the Digital Signature of their authorized representative.~~

### **~~6. Purchase of Bid Document~~**

~~The Bid Document is available free of cost for study and the interested /participating bidders shall purchase the Document online (through the e- payment gateway). For purchasing of the bid document bidders have to pay Service Charge online ONLY which is Rs. [as per Bid Data Sheet]. Cost of bid document is separately mentioned in the Detailed NIT. The Bid Document shall be available for purchase to concerned eligible bidders immediately after online release of the bids and up to scheduled time and date as set in the key dates.~~

~~The payment for the cost of bid document shall be made online through Debit/Credit Card, Net banking or NeFT Challan through the payment gateway provided on the portal.~~

### **~~7. Withdrawal, Substitution and Modification of Bid~~**

~~Bidder can withdraw and modify the bid till bid submission end date.~~

### **JOINT VENTURE (J.V.)**

If J.V. is allowed following conditions and requirements must be fulfilled—

1. ~~Bids submitted by a joint venture<sup>1</sup> of two or more firms as partners shall comply with the following requirements:~~
  - a. ~~one of the partners shall be nominated as being Lead Partner, and this authorization shall be evidenced by submitting a power of attorney signed by legally authorized signatories of all the partners;~~
  - b. ~~the bid and, in case of a successful bid, the Agreement, shall be signed so as to be legally binding on all partners;~~
  - c. ~~the partner in charge<sup>2</sup> shall be authorized to incur liabilities and receive instructions for and on behalf of any and all partners of the joint venture and the entire execution of the contract, including payment, shall be done exclusively with the partner in charge;~~
  - d. ~~all partners of the joint venture shall be liable jointly and severally for the execution of the contract in accordance with the contract terms, and a statement to this effect shall be included in the authorization mentioned under [c] above, as well as in the bid and in the Agreement [in case of a successful bid];~~
  - e. ~~The joint venture agreement should indicate precisely the role of all members of JV in respect of planning, design, construction equipment, key personnel, work execution, and financing of the project<sup>3</sup>. All members of JV<sup>4</sup> should have active participation in execution during the currency of the contract. This should not be varied/modified subsequently without prior approval of the employer;~~
  - f. ~~The joint venture agreement should be registered<sup>5</sup>, so as to be legally valid and binding on all partners; and~~
  - g. ~~a copy of the Joint Venture Agreement entered into by the partners shall be submitted with the bid<sup>6</sup>.~~
2. ~~The figures for each of the partners of a joint venture shall be added together to determine the Bidder's compliance with the minimum qualifying criteria required for the bid. All the partners collectively must meet the criteria specified in full. Failure to comply with this requirement will result in rejection of the joint venture's bid.~~
3. ~~The performance security<sup>7</sup> of a Joint Venture shall be in the name of the partner **Lead Partner/joint venture**.~~
4. ~~Attach the power of attorney<sup>8</sup> of the partners authorizing the Bid signatory(ies) on behalf of the joint venture~~
5. ~~Attach the agreement among all partners of the joint venture [and which is legally binding on all partners], which shows the requirements as indicated in the Instructions to Bidders'.~~
6. ~~Furnish details of participation proposed in the joint venture as below:~~

**DETAILS OF PARTICIPATION IN THE JOINT VENTURE**

<b>PARTICIPATION DETAILS</b>	<b>FIRM 'A' (Lead Partner)</b>	<b>FIRM 'B'</b>	<b>FIRM 'C'</b>
Financial			
Name of the Bankers(s)			
Planning			
Construction Equipment			
Key Personnel			
Execution of Work (Give details on contribution of each)			

1. Joint Venture is an arrangement in which two or more parties under an agreement for the purpose of executing a specific task/project and all parties shall be jointly and severally responsible to incur all the liabilities under the task/project, if awarded.
2. Partner in Charge – i.e. Lead partner.
3. This agreement shall also mention the NIT No./System I.D., Name of Work, Name of Joint Venture Firm, lead partner and other partners.
4. The lead partner and the other partners shall have minimum 51% and 20% stake respectively in the Joint Venture.
5. The joint venture agreement should be made on Rs. 1000/- Non Judicial Stamp Paper, duly Notarized/registered. Each partner of the joint venture shall be individually registered in the appropriate class required for participation in the tender or if eligible for registration, can also participate after having applied for registration in appropriate class.
6. The joint venture agreement entered into by the partners shall be submitted originally in envelope A and should also be uploaded online (scanned copy) with the bid.
7. The Earnest Money Deposit and Performance Security of the joint venture shall be drawn in favour of the concerned Executive Engineer and on Account of the partner – i.e. Lead partner/joint venture.
8. Power of Attorney shall be prepared separately on Rs. 500/- Non Judicial Stamp Paper, duly Notarized and should be submitted originally in Envelope A (and uploaded online scanned copy) alongwith joint venture agreement.



**ORGANIZATIONAL DETAILS**  
(To be enclosed with technical proposal)

S. No.	Particulars	Details
1.	Registration number issued by Centralized Registration System of Govt. of M.P. or proof of application for registration	(if applicable, Scanned copy of proof of application for registration to be uploaded)
2	Valid Registration of bidder in appropriate class through Centralized Registration of Govt. of MP	Registration No. .... Date..... (Scanned copy of Registration to be uploaded)
3.	Name of Organization/ Individual/ Proprietary Firm/Partnership Firm	
4.	Entity of Organization Individual/ Proprietary Firm/ Partnership Firm (Registered under Partnership Act)/ Limited Company (Registered under the Companies Act-1956)/ Corporation/ Joint venture	
5.	Address of Communication	
6.	Telephone Number with STD Code	
7.	Fax Number with STD Code	
8.	Mobile Number	
9.	E-mail Address for all communications	
	Details of Authorized Representative	
10.	Name	
11.	Designation	
12.	Postal Address	
13.	Telephone Number with STD Code	
14.	Fax Number with STD Code	
15.	Mobile Number	
16.	E-mail Address	

Note: In case of partnership firm and limited company certified copy of partnership deed/ Articles of Association and Memorandum of Association along with registration certificate of the company shall have to be enclosed.

Signature of Bidder with Seal  
Date: \_\_\_\_\_

**Envelope – B, Technical Proposal**

Technical Proposal shall comprise the following documents:

S No	Particulars	Details to be submitted
1	Experience – Financial & Physical	Annexure –I (Format: I-1)
2	Annual Turnover	Annexure –I (Format: I-2)
3	List of technical personnel for the key positions	Annexure –I (Format: I-3)
4	List of Key equipments/ machines for quality control labs	Annexure –I (Format: I-4)
5	List of Key equipments/ machines for construction work	Annexure –I (Format: I-5)

**Note:**

1. Technical Proposal should be uploaded duly page numbered and indexed.
2. Technical Proposal uploaded otherwise will not be considered.

**FINANCIAL & PHYSICAL EXPERIENCE DETAILS**

The bidder should have:

A. **Financial**  
Nil

B. **Physical Requirement:**

The bidder should have constructed RCC Over Head Tanks capacity not less than 33% of proposed OHT

Execution of similar items of work during the last 3 financial years should not be less than the minimum physical requirement fixed for the work.

S No	Particulars	Actual Quantity Executed (To be filled in by the contractor)		
		Year – 1	Year – 2	Year – 3
1	Physical qualification required	Yes		
	Constructed RCC Over Head Tanks (capacity not less than 33% of proposed OHT)			

Note:

1. Certificates duly signed by the employer not below the rank of Executive Engineer shall be enclosed for the actual quantity executed during the last 3 financial years.
2. Similar works: The similarity shall be based on the physical size, complexity, methods technology or other characteristics of main items of work viz. earth work, cement concrete, Reinforced cement concrete, brick masonry, stone masonry etc.

### **ANNUAL TURN OVER**

**Requirement:**

~~Average annual construction turnover on the construction works not less than 50% of the probable amount of contract during the last 3 financial years;~~

**To be filled in by the contractor:**

<del>Financial Year</del>	<del>Payments received for contracts in progress or completed</del>
<del>1</del>	<del></del>
<del>2</del>	<del></del>
<del>3</del>	<del></del>

**Note:**

- ~~i. Annual turnover of construction should be certified by the Chartered Accountant.~~
- ~~ii. Audited balance sheet including all related notes, and income statements for the above financial years to be enclosed.~~

~~**Bid Capacity**  
Applicants who meet the minimum qualification criteria in the evaluation as stated above are to be evaluated further for bid capacity as follows:~~

**Bid Capacity = (1.5 A X B) / C**

~~Where~~

- ~~A = Maximum value of civil engineering works executed in any one year during the last three year (10% weightage per year shall be given to bring the value of work executed at present price level)~~
- ~~B = Proposed contract period\* in years.~~
- ~~C = Amount of work in hand at present.~~

~~\* If the contract has separate construction and maintenance periods, then the contract period shall be taken as the construction period, subject to a minimum of 1 year.~~

## List Of Technical Personnel For The Key Positions

Minimum requirement							Available with the bidder							
S. No.	Key Position	Minimum requirement	Qualification	Age	Similar work experience	Total Work experience	S. No.	Name of personnel	Key Position	Minimum requirement	Qualification	Age	Similar work experience	Total Work experience
As per provisions in works department manual / circulars														

**List of Key Equipments/ Machines For Quality Control Labs**

Minimum requirement			Available with the bidder	
S. No.	Name of Equipment/ Machinery	Quantity	Name of Equipment/ Machinery	Quantity
As per provision in works department manual / circulars				

**Not Applicable**

**List of Key Equipments/ Machines for Construction Work**

Minimum requirement			Available with the bidder	
S. No.	Name of Equipment/ Machinery	Quantity	Name of Equipment/ Machinery	Quantity
As per provisions in works department manual / circulars				

**Not Applicable**

**FINANCIAL BID**  
**(To be Contained in Envelope-C)**

**NAME OF WORK :- “Preparation of Detailed Project Reports for "Solar Photo Voltaic (SPV) DC Pump Based Piped Water Supply Scheme with source sustainability structures to supply drinking water through household connections of various Villages of Districts mentioned in the NIT with provision of Operation and Maintenance of entire scheme including survey & investigation, design, drawing, preparation of estimates and BOQ etc." complete.”**

I/We hereby bid for the execution of the above work within the time specified at the rate (in figures) \_\_\_\_\_ (in words) \_\_\_\_\_ percent below/above or at par based on the Bill of Quantities and item wise rates given therein in all respects and in accordance with the specifications, designs, drawings and instructions in writing in all respects in accordance with such conditions so far as applicable. I/We have visited the site of work and am/ are fully aware of all the difficulties and conditions likely to affect carrying out the work. I/We have fully acquainted myself/ourselves about the conditions in regard to accessibility of site and quarries/kilns, nature and the extent of ground, working conditions including stacking of materials, installation of tools and plant conditions effecting accommodation and movement of labor etc. required for the satisfactory execution of contract.

Should this bid be accepted, I/We hereby agree to abide by and fulfill all the terms and provisions of the said conditions of contract annexed hereto so far as applicable, or in default thereof to forfeit and pay to the Governor of Madhya Pradesh or his successors in office the sums of money mentioned in the said conditions.

**Note:**

- i. Only one rate of percentage above or below or at par based on the Bill of Quantities and item wise rates given therein shall be quoted.
- ii. Percentage shall be quoted in figures as well as in words. If any difference in figures and words is found lower of the two shall be taken as valid and correct rate. If the bidder is not ready to accept such valid and correct rate and declines to furnish performance security and sign the agreement his earnest money deposit shall be forfeited.
- iii. In case the percentage "above" or "below" is not given by a bidder, his bid shall be treated as non-responsive.
- iv. All duties, taxes, and other levies payable by the bidder shall be included in the percentage quoted by the bidder but exclusive of Goods and Services Tax (GST) to be levied on works/service contract.

Signature of Bidder  
Name of Bidder

The above bid is hereby accepted by me on behalf of the Governor of Madhya Pradesh dated the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_

\_\_\_\_\_  
Signature of Officer by whom accepted



**Annexure – K**

(See clause 15 of Section 2 -ITB)

**MATERIALS TO BE ISSUED BY THE DEPARTMENT**

Sno	Name of material	Rate (Issue rate)	Unit	Remarks
----- Nil-----				

**LETTER OF ACCEPTANCE (LOA)**

No. \_\_\_\_\_

Dated: \_\_\_\_\_

To,

M/s. \_\_\_\_\_  
(Name and address of the contractor)

Subject: \_\_\_\_\_  
(Name of the work as appearing in the bid for the work)

Dear Sir (s),

Your bid for the work mentioned above has been accepted on behalf of the Governor of Madhya Pradesh at your bided percentage \_\_\_\_\_ below/ above or at par the Bill of Quantities and item wise rates given therein.

You are requested to submit within 15 (Fifteen) days from the date of issue of this letter:

- a. the performance security/ performance guarantee of Rs. \_\_\_\_\_ (in figures) (Rupees \_\_\_\_\_ in words only).  
The performance security shall be in the shape of term deposit receipt/ bank guarantee of any nationalized / schedule commercial bank valid up to three months after the expiry of defects liability period.
- b. Sign the contract agreement.

Please note that the time allowed for carrying out the work as entered in the bid is \_\_\_\_\_ months including/ excluding rainy season, shall be reckoned from the date of signing the contract agreement.

Signing the contract agreement shall be reckoned as intimation to commencement of work and no separate letter for commencement of work is required. Therefore, after signing of the agreement, you are directed to contact the Engineer-in-charge for taking the possession of site and necessary instructions to start the work.

**Yours Faithfully**

Executive Engineer  
PHE Div.....

**PERFORMANCE SECURITY**

To

\_\_\_\_\_ [name of Employer]  
\_\_\_\_\_  
\_\_\_\_\_ [address of Employer]  
\_\_\_\_\_

WHEREAS \_\_\_\_\_ [name and address of Contractor]

(hereinafter called "the Contractor") has undertaken, in pursuance of Letter of Acceptance No. \_\_\_\_\_ dated \_\_\_\_\_ to execute \_\_\_\_\_ [name of Contract and brief description of Works] (hereinafter called "the Contract").

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligation in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee:

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you on behalf of the Contractor, up to a total of \_\_\_\_\_ [amount of guarantee]\* \_\_\_\_\_ (in words), such sum being payable in the types and proportions of currencies in which the Contract Price is payable, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of \_\_\_\_\_ [amount of guarantee] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 3 (three) months from the date of expiry of the Defect Liability Period.

Signature, Name and Seal of the guarantor \_\_\_\_\_  
Name of Bank \_\_\_\_\_  
Address \_\_\_\_\_  
Phone No., Fax No. E-mail Address, of signing  
Authority \_\_\_\_\_  
Date \_\_\_\_\_

\* An amount shall be inserted by the Guarantor, representing the percentage the Contract Price specified in the Contract including additional security for unbalanced Bids, if any and denominated in Indian Rupees.

## SECTION 3

### Conditions of Contract Part – I General Conditions of Contract (GCC)

**Table of Clauses of GCC**

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## A. General

### 1. DEFINITIONS

- 1.1. **Bill of Quantities:** means the priced and completed Bill of Quantities forming part of the Bid.
- 1.2. **Chief Engineer:** means Chief Engineer of the zone/ basin concerned.
- 1.3. **Completion:** means completion of the work as certified by the Engineer-in-Charge, in accordance with provisions of agreement.
- 1.4. **Contract:** means the Contract between the Employer and the Contractor to execute, complete and/or maintain the work. Agreement is synonym of Contract and carries the same meaning wherever used.
- 1.5. **Contract Data:** means the documents and other information which comprise of the Contract.
- 1.6. **Contractor:** means a person or legal entity whose bid to carry out the work has been accepted by the Employer.
- 1.7. **Contractor's bid:** means the completed bid document submitted by the Contractor to the Employer.
- 1.8. **Contract amount:** means the amount of contract worked out on the basis of accepted bid.
- 1.9. **Completion of work:** means completion of the entire contracted work. Exhaustion of quantity of any particular item mentioned in the bid document shall not imply completion of work or any component thereof.
- 1.10. **Day:** means the calendar day.
- 1.11. **Defect:** means any part of the work not completed in accordance with the specifications included in the contract.
- 1.12. **Department:** means Department of the State Government viz. Water Resources Department, Public Works Department, Public Health Engineering Department, Rural Engineering Service and any other organisation which adopts this document.
- 1.13. **Drawings:** means drawings including calculations and other information provided or approved by the Engineer-in-Charge.
- 1.14. **Employer:** means the party as defined in the Contract Data, who employs the Contractor to carry out the work. The Employer may delegate any or all functions to a person or body nominated by him for specified functions. The word Employer / Government / Department wherever used denote the Employer.
- 1.15. **Engineer:** means the person named in the Contract Data.
- 1.16. **Engineer in charge:** means the person named in the Contract Data.
- 1.17. **Equipment:** means the Contractor's machinery and vehicles brought temporarily to the Site for execution of work.
- 1.18. **Government:** means Government of Madhya Pradesh.
- 1.19. **In Writing:** means communicated in written form and delivered against receipt.
- 1.20. **Material:** means all supplies, including consumables, used by the Contractor for incorporation in the work.

- 1.21. Superintending Engineer:** means Superintending Engineer-in-Charge of the Circle concerned.
- 1.22. Stipulated period of completion:** means the period in which the Contractor is required to complete the work. The stipulated period is specified in the Contract Data.
- 1.23. Specification:** means the specification of the work included in the Contract and any modification or addition made or approved by the Engineer-in-Charge.
- 1.24. Start Date:** means the date of signing of agreement for the work.
- 1.25. Sub-Contractor:** means a person or corporate body who has a Contract with the Contractor, duly authorised to carry out a part of the construction work under the Contract.
- 1.26. Temporary Work:** means work designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the work.
- 1.27. Tender/Bid, Tenderer/Bidder:** are the synonyms and carry the same meaning where ever used.
- 1.28. Variation:** means any change in the work which is instructed or approved as variation under this contract.
- 1.29. Work:** The expression "work" or "works" where used in these conditions shall unless there be something either in the subject or context repugnant to such construction, be construed and taken to mean the work by virtue of contract, contracted to be executed, whether temporary or permanent and whether original, altered, substituted or additional.

## **2. INTERPRETATIONS AND DOCUMENTS**

### **2.1 Interpretations**

In the contract, except where the context requires otherwise:

- a. words indicating one gender include all genders;
- b. words indicating the singular also include the plural and vice versa.
- c. provisions including the word "agree", "agreed" or "agreement" require the agreement to be recorded in writing;
- d. written" or "in writing" means hand-written, type-written, printed or electronically made, and resulting in a permanent record;

### **2.2 Documents Forming Part of Contract:**

1. NIT with all amendments.
2. Instructions to Bidders (ITB, Bid Data Sheet with all Annexures)
3. Conditions of Contract:
  - i. Part I General Conditions of Contract and the Contract Data; with all Annexures
  - ii. Part II Special Conditions of Contract.
4. Specifications
5. Drawings
6. Bill of Quantities
7. Technical and Financial Bid
8. Agreement, and
9. Any other document(s), as specified.

## **3. Language and Law**

The language of the Contract and the law governing the Contract are stated in the Contract Data.

#### **4. Communications**

All certificates, notice or instruction to be given to the Contractor by Employer/Engineer shall be sent to the address or contact details given by the Contractor in [Annexure H of ITB]. The address and contact details for communication with the Employer/Engineer shall be as per the details given in the Contract Data. Communication between parties that are referred to in the conditions shall be in writing. The notice sent by facsimile (fax) or other electronic means (email) shall also be effective on confirmation of the transmission. The notice sent by registered post or speed post shall be effective on delivery or at the expiry of the normal delivery period as undertaken by the postal service. In case of any change in address for communication, the same shall be immediately notified to Engineer-in-Charge.

#### **5. ~~Subcontracting~~**

~~Subcontracting shall be permitted for contracts of value more than amount specified in the Contract Data with following conditions.~~

- ~~a. The Contractor may subcontract up to 25 percent of the contract price with the approval of the Employer in writing, but will not assign the Contract. Subcontracting shall not alter the Contractor's obligations.~~
- ~~b. Following shall not form part of subcontracting:~~
  - ~~i. Hiring of labour through a labour contractor.~~
  - ~~ii. The purchase of Materials to be incorporated in the works.~~
  - ~~iii. Hiring of plant & machinery~~
- ~~c. The sub-contractor will have to be registered in the appropriate category in the centralised registration system for contractors of the GoMP.~~

#### **6. Personnel**

6.1 The Contractor shall employ for the construction work and routine maintenance the technical personnel as provided in the Annexure I-3 of Bid Data Sheet, if applicable. If the Contractor fails to deploy required number of technical staff, recovery as specified in the Contract Data will be made from the Contractor.

6.2 If the Engineer asks the Contractor to remove a person who is a member of the Contractor's staff or work force, stating the reasons, the Contractor shall ensure that the person leaves the Site within three days and has no further connection with the Works in the Contract.

#### **7. Force Majeure**

7.1 The term "Force Majeure" means an exceptional event or circumstance:

- (a) which is beyond a Party's control,
- (b) which such Party could not reasonably have provided against before entering into the Contract,
- (c) which, having arisen, such Party could not reasonably have avoided or overcome, and
- (d) which is not substantially attributable to the other Party.

Force Majeure may include, but is not limited to, exceptional events or circumstances of the kind listed below, so long as conditions (a) to (d) above are satisfied:

- (i) war, hostilities (whether war be declared or not), invasion, act of foreign enemies,
- (ii) rebellion, terrorism, sabotage by persons other than the Contractor's Personnel, revolution, insurrection, military or usurped power, or civil war,
- (iii) riot, commotion, disorder, strike or lockout by persons other than the Contractor's Personnel,

- (iv) munitions of war, explosive materials, ionising radiation or contamination by radio-activity, except as may be attributable to the Contractor's use of such munitions, explosives, radiation or radio-activity, and
- (v) natural catastrophes such as earthquake, hurricane, typhoon or volcanic activity.

**7.2.** In the event of either party being rendered unable by force majeure to perform any duty or discharge any responsibility arising out of the contract, the relative obligation of the party affected by such force majeure shall upon notification to the other party be suspended for the period during which force majeure event lasts. The cost and loss sustained by either party shall be borne by respective parties.

**7.3** For the period of extension granted to the Contractor due to Force Majeure the price adjustment clause shall apply but the penalty clause shall not apply. It is clarified that this sub clause shall not give eligibility for price adjustment to contracts which are otherwise not subject to the benefit of price adjustment clause.

**7.4** The time for performance of the relative obligation suspended by the force majeure shall stand extended by the period for which such cause lasts. Should the delay caused by force majeure exceed twelve months, the parties to the contract shall be at liberty to foreclose the contract after holding mutual discussions.

## **8. Contractor's Risks**

**8.1** All risks of loss or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract are the responsibility of the Contractor.

**8.2** All risks and consequences arising from the inaccuracies or falseness of the documents, drawing, designs, other documents and/or information submitted by the contractor shall be the responsibility of the Contractor alone, notwithstanding the fact that the designs/ drawings or other documents have been approved by the department.

## **9. Liability for Accidents to Person**

The contractor shall be deemed to have indemnified and saved harmless the Government against all action, suits, claims, demands, costs etc. arising in connection with injuries suffered by any persons employed by the contractor or his subcontractor for the works whether under the General law or under workman's compensation Act, or any other statute in force at the time of dealing with the question of the liability of employees for the injuries suffered by employees and to have taken steps properly to ensure against any claim there under.

## **10. Contractor to Construct the Works**

**10.1** The Contractor shall construct, install and maintain the Works in accordance with the Specifications and Drawings as specified in the Contract Data.

**10.2** In the case of any class of work for which there is no such specification as is mentioned in Contract Data, such work shall be carried out in accordance with the instructions and requirement of the Engineer-in-charge.

**10.3** The contractor shall supply and take upon himself the entire responsibility of the sufficiency of the scaffolding, timbering, machinery, tools and implements, and generally of all means used for the fulfilment of this contract whether such means may or may not be approved or recommended by the Engineer.

## **11. Discoveries**



Anything of historical or other interest or of significant value unexpectedly discovered on the Site shall be the property of the Employer. The Contractor shall notify the Engineer of such discoveries and carry out the Engineer's instructions for dealing with them.

## **12. Dispute Resolution System**

- 12.1** No dispute can be raised except before the Competent Authority as defined in Contract Data in writing giving full description and grounds of dispute. It is clarified that merely recording protest while accepting measurement and/or payment shall not be taken as raising a dispute.
- 12.2** No dispute can be raised after 45 days of its first occurrence. Any dispute raised after expiry of 45 days of its first occurrence shall not be entertained and the Employer shall not be liable for claims arising out of such dispute.
- 12.3** The Competent Authority shall decide the matter within 45 days.
- 12.4** Appeal against the order of the Competent Authority can be preferred within 30 days to the Appellate Authority as defined in the Contract Data. The Appellate Authority shall decide the dispute within 45 days.
- 12.5** Appeal against the order of the Appellate Authority can be preferred before the Madhya Pradesh Arbitration Tribunal constituted under Madhya Pradesh Madhyastham Adhikaran Adhiniyam, 1983.
- 12.6** The Contractor shall have to continue execution of the Works with due diligence notwithstanding pendency of a dispute before any authority or forum.

## **B. Time Control**

## **13. Programme**

- 13.1** Within the time stated in the Contract Data, the Contractor shall submit to the Engineer for approval a Programme showing the general methods, arrangements, order and timing for all the activities for the construction of works.
- 13.2** **The program shall be supported with all the details regarding key personnel, equipment and machinery proposed to be deployed on the works for its execution.**

The contractor shall submit the list of equipment and machinery being brought to site, the list of key personnel being deployed, the list of machinery/equipment being placed in field laboratory and the location of field laboratory along with the Programme.
- 13.3** An update of the Programme shall be a programme showing the actual progress achieved on each activity and the effect of the progress achieved on the timing of the remaining Works, including any changes to the sequence of the activities.
- 13.4** The Contractor shall submit to the Engineer for approval an updated Programme at intervals no longer than the period stated in the Contract Data. If the Contractor does not submit an updated Programme within this period, the Engineer may withhold the amount stated in the Contract Data from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Programme has been submitted.
- 13.5** The Engineer's approval of the Programme shall not alter the Contractor's obligations.

## **14. Extension of Time**

- 14.1.** If the Contractor desires an extension of time for completion of the work on the ground of his having been unavoidably hindered in its execution or on any other grounds, he shall apply, in writing, to the Engineer-in-charge, on account of which he desires such extension. Engineer-in-Charge shall forward the aforesaid application to the Competent Authority as prescribed.
- 14.2** The competent authority shall grant such extension at each such occasion within a period of 30 days of receipt of application from contractor and shall not wait for finality of work. Such extensions shall be granted in accordance with provisions under clause- 15 of this agreement.
- 14.3** In case the work is already in progress, the Contractor shall proceed with the execution of the works, including maintenance thereof, pending receipt of the decision of the competent authority as aforesaid with all due diligence.

## **15. Compensation for delay**

- 15.1** The time allowed for carrying out the work, as entered in the agreement, shall be strictly observed by the Contractor.
- 15.2** The time allowed for execution of the contract shall commence from the date of signing of the agreement. It is clarified that the need for issue of work order is dispensed with.
- 15.3** In the event milestones are laid down in the Contract Data for execution of the works, the contractor shall have to ensure strict adherence to the same.
- 15.4** Failure of the Contractor to adhere to the timelines and/or milestones shall attract such liquidated damages as is laid down in the Contract Data.
- 15.5** In the event of delay in execution of the Works as per the timelines mentioned in the Contract Data the Engineer-in-charge shall retain from the bills of the Contractor amount equal to the liquidated damages leviable until the Contractor makes such delays good. However, the Engineer-in-charge shall accept bankable security in lieu of retaining such amount.
- 15.6** If the Contractor is given extension of time after liquidated damages have been paid, the Engineer in Charge shall correct any over payment of liquidated damages by the Contractor in the next payment certificate.
- 15.7** In the event the Contractor fails to make good the delay until completion of the stipulated contract period (including extension of time) the sum so retained shall be adjusted against the liquidated damages levied.

## **16. Contractor's quoted percentage**

The Contractor's quoted percentage rate referred to in the "Bid for works" will be deducted/ added from/to the net amount of the bill after deducting the cost of material supplied by the department.

## **C. Quality Control**

### **17. Tests**

- 17.1** The Contractor shall be responsible for:
- Carrying out the tests prescribed in specifications, and
  - For the correctness of the test results, whether preformed in his laboratory or elsewhere.

~~17.2 The contractor shall have to establish field laboratory within the time specified and having such equipments as are specified in the Contract Data.~~

~~17.3 Failure of the Contractor to establish laboratory shall attract such penalty as is specified in the Contract Data.~~

**18. Correction of Defects noticed during the Defect Liability Period**

**18.1** The Defect Liability Period of work in the contract shall be as per the Contract Data.

**18.2** The Contractor shall promptly rectify all defects pointed out by the Engineer well before the end of the Defect Liability Period. The Defect Liability Period shall automatically stand extended until the defect is rectified.

**18.3** If the Contractor has not corrected a Defect pertaining to the Defect Liability Period to the satisfaction of the Engineer, within the time specified by the Engineer, the Engineer will assess the cost of having the Defect corrected, and the cost of correction of the Defect shall be recovered from the Performance Security or any amount due or that may become due to the contractor and other available securities.

**D. Cost Control**

**19. Variations - Change in original Specifications, Designs, and Drawings etc.**

**19.1** The Engineer-in-charge shall have power to make any alterations, omissions or additions to or substitutions in the original specifications, drawings, designs and instructions, that may appear to him to be necessary during the progress of the work and the contractor shall carry out the work in accordance with any instructions which may be given to him in writing signed by the Engineer-in-charge, and such alterations, omission, additions or substitutions shall not invalidate the contract and any altered, additional or substituted work, which the contractor may be directed to do in the manner above specified, as part of the work, shall be carried out by the contractor on the same conditions in all respects on which he agrees to do the main work.

**19.2** The time for the completion of the work shall be adjusted in the proportion that the altered, additional or substituted work bears to the original contract work and the certificate of the Engineer-in-charge shall be conclusive as to such proportion.

**20. Extra items**

**20.1** All such items which are not included in the priced BOQ shall be treated as extra items.

**21 Payments for Variations and / or Extra Quantities**

**21.1** The rates for such additional (Extra quantity), altered or substituted work / extra items under this clause shall be worked out in accordance with the following provisions in their respective order:-

- a. The contractor is bound to carry out the additional (Extra quantity), work at the same rates as are specified in the contract for the work.
- b. If the item is not in the priced BOQ and is included in the SOR of the department, the rate shall be arrived at by applying the quoted tender percentage on the SOR rate.
- c. If the rates for the altered or substituted work are not provided in applicable SOR - such rates will be derived from the rates for a similar class (type) of work as is provided in the contract (priced BOQ) for the work.

- d. If the rates for the altered, substituted work cannot be determined in the manner specified in the sub clause (c) above - then the rates for such composite work item shall be worked out on the basis of the concerned Schedule of Rates minus/plus the percentage quoted by the contractor.
- e. If the rates for a particular part or parts of the item is not in the Schedule of Rates and the rates for the altered, or substituted work item cannot be determined in the manner specified in sub clause (b) to (d) above, the rate for such part or parts will be determined by the Competent Authority as defined in the Contract Data on the basis of the rate analysis derived out of prevailing market rates when the work was done.
- f. But under no circumstances, the contractor shall suspend the work on the plea of non-acceptability of rates on items falling under sub clause (a) to (d). In case the contractor does not accept the rate approved by the Engineer in Charge for a particular item, the contractor shall continue to carry out the item at the rates determined by the Competent Authority. The decision on the final rates payable shall be arrived at through the dispute settlement procedure.

**22. No compensation for alterations in or restriction of work to be carried out.**

- 22.1** If at any time after the commencement of the work, the Engineer-in-charge, for any reason whatsoever, not require the whole or any part of the work as specified in the bid to be carried out; the Engineer-in-charge shall give notice in writing of the fact to the Contractor and withdraw that whole or any part of the work.
- 22.2** The Contractor shall have no claim to any payments or compensation whatsoever, on account of any profit or advantage which he might have derived from the execution of work in full or on account of any loss incurred for idle men and machinery due to any alteration or restriction of work for whatsoever reason.
- 22.3** The Engineer-in-charge may supplement the work by engaging another agency to execute such portion of the work, without prejudice to his rights.

**23. No Interest Payable**

No interest shall be payable to the Contractor on any payment due or awarded by any authority.

**24. Recovery from Contractors**

Whenever any claim against the Contractor for the payment arises under the contract, the Department may be entitled to recover such sum by:

- (a) Appropriating, in part or whole of the Performance Security and Additional Performance Security, if any; and/or Security Deposit and/or any sums payable under the contract to the contractor.
- (b) If the amount recovered in accordance with (a) above is not sufficient, the balance sum may be recovered from any payment due to the contractor under any other contract of the department, including the securities which become due for release.
- (c) The department shall, further have an additional right to effect recoveries as arrears of land revenue under the M.P. Land Revenue Code.

## **25. Tax**

- 25.1** The rates quoted by the Contractor shall be deemed to be inclusive of levies, duties, cess, toll, taxes of Central and State Governments, local bodies and authorities but exclusive of Goods and Services Tax (GST) to be levied on works/service contract.
- 25.2** The liability, if any, on account of quarry fees, royalties, octroi and any other taxes and duties in respect of materials actually consumed on public work, shall be borne by the Contractor.
- 25.3** Any changes in the taxes due to change in legislation or for any other reason shall not be payable to the contractor.

## **26. Check Measurements**

- 26.1** The department reserves to itself the right to prescribe a scale of check measurement of work in general or specific scale for specific works or by other special orders.
- 26.2** Checking of measurement by superior officer shall supersede measurements by subordinate officer(s), and the former will become the basis of the payment.
- 26.3** Any over/excess payments detected, as a result of such check measurement or otherwise at any stage up to the date of completion of the defect liability period specified in this contract, shall be recoverable from the Contractor, as per clause 24 above.

## **27. Termination by Engineer in Charge**

- 27.1** If the Contractor fails to carry out any obligation under the Contract, the Engineer in Charge may by notice require the Contractor to make good the failure and to remedy it within a specified reasonable time.
- 27.2** The Engineer in Charge shall be entitled to terminate the Contract if the Contractor
- a) abandons the Works or otherwise plainly demonstrates the intention not to continue performance of his obligations under the Contract,
  - b) the Contractor is declared as bankrupt or goes into liquidation other than for approved reconstruction or amalgamation;
  - c) without reasonable excuse fails to comply with the notice to correct a particular defect within a reasonable period of time.
  - d) the Contractor does not maintain a valid instrument of financial security as prescribed;
  - e) the Contractor has delayed the completion of the Works by such duration for which the maximum amount of liquidated damages is recoverable;
  - f) If the Contractor fails to deploy machinery and equipment or personnel or set up a field laboratory as specified in the Contract Data.
  - g) If the contractor, in the judgment of the Engineer in charge has engaged in corrupt or fraudulent practices in competing for or in executing the contract.
  - h) Any other fundamental breaches as specified in the Contract Data.
- 27.3** In any of these events or circumstances, the Engineer in Charge may, upon giving 14 days' notice to the Contractor, terminate the Contract and expel the Contractor from the Site. However, in the case of sub-paragraph (b) or (g) of clause 27.2, the Engineer in Charge may terminate the Contract immediately.
- 27.4** Notwithstanding the above, the Engineer-in-Charge may terminate the Contract for convenience by giving notice to the Contractor.

## **28. Payment upon Termination**

**28.1** If the contract is terminated under clause 27. 3, the Engineer shall issue a certificate for value of the work accepted on final measurements, less advance payments and penalty as indicated in the Contract Data. The amount so arrived at shall be determined by the Engineer-in-Charge and shall be final and binding on both the parties.

**28.2** Payment on termination under clause 27. 4 above -

If the Contract is terminated under clause 27.4 above, the Engineer shall issue a certificate for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract and less taxes due to be deducted at source as per applicable law.

**28.3** If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be recovered as per clause 24 above.

## **29. Performance Security**

The Contractor shall have to submit performance security and additional performance security, if any, as specified in the Bid Data Sheet at the time of signing of the contract. The contractor shall have to ensure that such performance security and additional performance security, if any, remains valid for the period as specified in the Contract Data.

## **30. Security Deposit-**

**30.1** Security Deposit shall be deducted from each running bill at the rate as specified in the Contract Data. The total amount of Security Deposit so deducted shall not exceed the percentage of Contract Price specified in the Contract Data.

**30.2** The security deposit may be replaced by equivalent amount of bank guarantee or fixed deposit receipt assigned to the Employer, with validity up to 3 (three) months beyond the completion of Defect Liability Period/ extended Defect Liability Period.

**30.3** The Security Deposit shall be refunded on completion of Defect Liability Period. The Additional Performance Security shall be refunded on satisfactory completion of the work.

## **31. Price Adjustment**

### **31.1 Applicability**

1. Price adjustment shall be applicable only if provided in the Contract Data.
2. The price adjustment clause shall apply only for the works executed from the date of signing of the agreement until the end of the initial intended completion date or extensions granted for reasons attributed to the Employer by the Engineer.
3. The Contractor shall not be entitled to any benefit arising from the price adjustment clause for extension in the contract period for reasons attributed to the Contractor.
4. In the Force Majeure event the price escalation clause shall apply.

### 31.2 Procedure

1. Contract price shall be adjusted for increase or decrease in rates and price of labour, materials, fuels and lubricants in accordance with following principles and procedures and as per formula given in the **contract data**.
2. The price adjustable shall be determined during each quarter from the formula given in the **contract data**.
3. Following expression and meaning are assigned to the work done during each **quarter**:

**R** = Total value of work during the quarter. It would include the amount of secured advance granted, if any, during the quarter, less the amount of secured advance recovered, if any during the quarter, less value of material issued by the department, if any, during the quarter.

4. Weightages of various components of the work shall be as per the **Contract Data**.

**31.3** To the extent that full compensation for any rise or fall in costs to the contractor is not covered by the provisions of this or other clauses in the contract, the unit rates and prices included in the contract shall be deemed to include amounts to cover the contingency of such other rise or fall in costs.

**31.4** The index relevant to any quarter, for which such compensation is paid, shall be the arithmetical average of the indices relevant of the calendar month.

**31.5** For the purpose of clarity it is pointed out that the price adjustment may be either positive or negative, i.e. if the price adjustment is in favour of the Employer, the same shall be recovered from the sums payable to the Contractor.

### 32. Mobilization and Construction Machinery Advance

**32.1** Payment of advances shall be applicable if provided in the Contract Data.

**32.2** If applicable, the Engineer in Charge shall make interest bearing advance payment to the contractor of the amounts stated in the Contract Data, against provision by the contractor of an unconditional Bank Guarantee in a form and by a nationalized/ scheduled banks, in the name as stated in the Contract Data, in amounts equal to the advance payment. The guarantee shall remain effective until the advance payment has been repaid, but the amount of the guarantee shall be progressively reduced by the amounts repaid by the contractor.

**32.3** The rate of interest chargeable shall be as per Contract Data.

**32.4** The construction machinery advance, if applicable, shall be limited to 80% of the cost of construction machinery and admissible only for new construction machinery.

**32.5** The advance payment shall be recovered as stated in the Contract Data by deducting proportionate amounts from payment otherwise due to the Contractor. No account shall be taken of the advance payment or its recovery in assessing valuations of work done, variations, price adjustments, compensation events, or liquidated damages.

### 33. Secured Advance

**33.1** Payment of Secured Advance shall be applicable if provided in the Contract Data.

**33.2** If applicable, the Engineer shall make advance payment against materials intended for but not yet incorporated in the Works and against provision by the contractor of an unconditional Bank Guarantee in a form and by a nationalized/scheduled bank, in the name as stated in the Contract Data, in amounts equal to the advance payment. The guarantee shall remain effective until the advance payment has been adjusted, but the amount of the guarantee shall be progressively reduced by the amounts adjusted by the contractor.

**33.3** The amount of secured advance and conditions to be fulfilled shall be as stipulated in the Contract Data.

**33.4** The Secured Advance paid shall be recovered as stated in the Contract Data.

#### **34. Payment Certificates**

The payment to the contractor will be as follows for construction work:

- (a) The Contractor shall submit to the Engineer monthly statements of the value of the work executed less the cumulative amount certified previously, supported with detailed measurement of the items of work executed.
- (b) The Engineer shall check the Contractor's monthly statement and certify the amount to be paid to the Contractor.
- (c) The value of work executed shall be determined, based on the measurements approved by the Engineer/ Engineer-in-charge.
- (d) The value of work executed shall comprise the value of the quantities of the items in the Bill of Quantities completed.
- (e) The value of work executed shall also include the valuation of Variations and Compensation Events.
- (f) All payments shall be adjusted for deductions for advance payment, security deposit, other recoveries in terms of contract and taxes at source as applicable under the law.
- (g) The Engineer may exclude any item certified in a previous certificate or reduce the proportion of any item previously certified in any certificate in the light of later information.
- (h) Payment of intermediate certificate shall be regarded as payments by way of advance against the final payment and not as payments for work actually done and completed.
- (i) Intermediate payment shall not preclude the requiring of bad, unsound and imperfect or unskilled work to be removed and taken away and reconstructed or be considered as an admission of the due performance of the contractor any part thereof, in any respect or the occurring of any claim.
- (j) The payment of final bill shall be governed by the provisions of clause 36 of GCC.

### **E. Finishing the Contract**

#### **35. Completion Certificate**

**35.1** A Completion Certificate in the prescribed format in Contract Data shall be issued by the Engineer-in-Charge after physical completion of the Work.

**35.2** After final payment to the Contractor, a Final Completion Certificate in the prescribed format in the Contract Data shall be issued by the Engineer-in-Charge.



### **36. Final Account**

- 36.1 The Contractor shall supply the Engineer with a detailed account of the total amount that the Contractor considers payable for works under the Contract within 21 days of issue of certificate of physical completion of works. The Engineer shall issue a Defects Liability Certificate and certify any payment that is due to the Contractor within 45 days of receiving the Contractor's account if it is correct and complete. If the account is not correct or complete, the Engineer shall issue within 45 days a schedule that states the scope of the corrections or additions that are necessary. If the Account is still unsatisfactory after it has been resubmitted, the matter shall be referred to the Competent Authority as defined in the Contract Data, who shall decide on the amount payable to the Contractor after hearing the Contractor and the Engineer in Charge.
- 36.2 In case the account is not received within 21 days of issue of Certificate of Completion as provided in clause 32.1 above, the Engineer shall proceed to finalise the account and issue a payment certificate within 28 days.

### **F. Other Conditions of Contract**

### **37. Currencies**

All payments will be made in Indian Rupees.

### **38. Labour**

- 38.1 The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.
- 38.2 The Contractor shall, if required by the Engineer, deliver to the Engineer a return in detail, in such form and at such intervals as the Engineer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Engineer may require.

### **39. COMPLIANCE WITH LABOUR REGULATIONS**

- 39.1. During continuance of the Contract, the Contractor and his sub-Contractors shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. Salient features of some of the major labour laws that are applicable to construction industry are given in the Contract Data. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/ byelaws/ Acts/Rules/ regulations including amendments, if any, on the part of the Contractor, the Engineer/Employer shall have the right to deduct from any money due to the Contractor including his amount of performance security. The Employer/Engineer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer. The employees of

the Contractor and the Sub-Contractor in no case shall be treated as the employees of the Employer at any point of time.

#### **40. Audit and Technical Examination**

Government shall have the right to cause an audit and technical examination of the works and the final bill of the contract including all supporting vouchers, abstract etc. to be made after payment of the final bill and if as a result of such audit and technical examination any sum is found to have been overpaid in respect of any work done by the contractor under the contract or any work claimed by him to have been done under the contract and found not to, have been executed, the Contractor shall be liable to refund the amount of overpayment and it shall be lawful for Government to recover the same from him in the manner prescribed in clause 24 above and if it is found that the Contractor was paid less than what was due to him, under the contract in respect of any work executed by him under it, the amount of such under payment shall be duly paid by Government to the Contractor.

#### **41. Death or Permanent Invalidity of Contractor**

If the Contractor is an individual or a proprietary concern, partnership concern, dies during the currency of the contract or becomes permanently incapacitated, where the surviving partners are only minors, the contract shall be closed without levying any damages/ compensation as provided for in clause 28.2 of the contract agreement. However, if the competent authority is satisfied about the competence of the survivors, then the competent authority shall enter into a fresh agreement for the remaining work strictly on the same terms and conditions under which the contract was awarded.

#### **42. Jurisdiction**

This contract has been entered into the State of Madhya Pradesh and its validity, construction, interpretation and legal effect shall be subjected to the courts at the place where this agreement is entered into. No other jurisdiction shall be applicable.

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## Contract Data

GCC Clause	Particulars	Data
1.14	Employer	<b><u>Government of Madhya Pradesh</u></b>
1.15	Engineer	<b><u>Executive Engineer/Assistant Engineer/Sub Engineer/Consultant appointed by Department</u></b>
1.16	Engineer in Charge	<b><u>Executive Engineer</u></b>
1.22	Stipulated period of completion	01 (One) year including rainy season for total work (Scheme wise completion period will be as per SCC of NIT).
3	Language & Law of Contract	English & Indian Contract Act 1872
4	Address & Contact details of the Contractor	As per Annexure H
	Address & contact details of the Employer/Engineer-phone, Fax, e-mail	Supertending Engineer (Proc.) O/o Engineer in Chief PHED Jal Bhawan Banganga Bhopal (M.P.) Phone : (0755)- <b>2779411—12</b> Fax : (0755) – 2779420-21 E-mail :- sepheprocho@mp.gov.in AND Executive Engineer of Concerning District.
5	Sub contracting permitted for the Contract Value	----- Not Permitted-----
6	Technical Personnel to be provided by the contractor-requirement, &	As per Annexure-I (Format I-3)
	Penalty, if required Technical Personnel not employed	<del>Rs.30,000 for Degree holder &amp; Rs.18,000 for Diploma holder Engineer or</del> <b><u>As per PWD latest orders for deduction for Diploma/Degree Holder Engineers OR as may be decided by the Draft NIT approving authority.</u></b>
10	Specifications	As per Annexure E
	Drawings	Not applicable As per Annexure N
12	Competent Authority for deciding dispute under Dispute Resolution System	<b><u>Superintending Engineer, Public Health Engineering Department concerning circle</u></b>
	Appellate Authority for deciding dispute under Dispute Resolution System	<b><u>Chief Engineer Public Health Engineering Department concerning Zone</u></b>
13	Period for submission of updated construction program	<b><u>Not applicable</u></b> <del>Initial work program shall be submitted within a week from the date of signing the agreement, thereafter, updated program on Quarterly basis in contracts where the contract period is more than 12 months.</del>
	Amount to be withheld for not submitting construction program in the prescribed period	<b><u>Not applicable</u></b> <del>1% of the contract value subject to minimum Rs. 5,000/- per month.</del>
14	Competent Authority for granting	<b><u>Up to one month - Executive Engineer.</u></b>

	Time Extension	<b><u>More than one month – Superintending Engineer (Full Powers).</u></b>
15	Milestones laid down for the contract	Yes
	if yes, details of milestones	As per Annexure O
	Liquidated damage	As per Annexure P
17	List of equipment for lab	As per Annexure Q
	Time to establish lab	<b><u>Not Applicable. Within 15 days from the date of agreement.</u></b>
	Penalty for not establishing field laboratory	<b><u>1% of the contract value subject to minimum Rs. 10,000/- per month.</u></b>
18	Defect Liability Period	Valid contract period
21	Competent Authority for determining the rate	<b><u>Superintending Engineer Public Health Engineering Department concerning Circle</u></b>
27	Any other condition for breach of contract	<b><u>Less than 25% progress achieved during the half of the contract period. (Reason for delay attributed to the contractor.)</u></b>
28	Penalty	Penalty shall include (a) <b><u>Security deposit as per clause 30 of General Conditions of Contract and</u></b> (b) <b><u>Liquidated Damages imposed as per clause 15 or Performance Security (Guarantee) including additional performance security (guarantee), if any, as per clause 29 of General Conditions of contract, whichever is higher.</u></b>
29	Performance Guarantee (Security) shall be valid up to	Valid completion period plus 03 months.
30	Security Deposit (SD) to be deducted from each running bill	At the rate of 5%.
	Maximum limit of deduction of Security Deposit	Up to 5% of Final Contract Amount.
31	Price Adjustment formula and procedure to calculate	<b><u>Not applicable</u></b> As per Annexure R
31.1(1)	Price adjustment shall be applicable	As per Annexure R and will be applied as below :- (a) For Tenders upto Rs 5.00 crores not payable in any case. (b) For Tenders costing more than Rs 5.00 crores payable only in cases governed by Force Majeure. Price adjustment shall only be applicable on Probable Amount of Contract (PAC) of NIT. This clause shall not have any relation to the contract amount. The price adjustment shall apply only in respect of cement, steel and POL components.
32	32.1 Mobilization and Construction Machinery Advance Applicable	<b><u>No Mobilization and Construction Machinery Advance Payable.</u></b>
	32.2 If yes, Unconditional Bank Guarantee.	In the format prescribed in Annexure-S. <b>(NOT APPLICABLE)</b>

	32.3 If yes, Rate of interest chargeable on advances.	10% annual simple interest. <b>(NOT APPLICABLE)</b>
	32.4 If yes, Type & Amount of advance payment that can be paid.	1. Mobilization advance Not more than ---% of contract amount. 2. Construction Machinery advance Not more than ---% of contract amount. <b>(NOT-APPLICABLE)</b>
	32.5 If yes, Recovery of advance payment.	<del>Recovery of Mobilization and/or Construction Machinery advance shall commence when 10% of the Contract Amount is executed and recovery of total advance shall be done on pro-rata basis and shall be completed by the time work equivalent to 80% of the Contract Amount is executed.</del> <del>———— In addition to the recovery of principal amount, recovery of interest shall be carried out as calculated on the outstanding amount of principal at the close of each month. The interest shall be accrue from the day of payment of advance and the recovery of interest shall commence when 10% of the Contract Amount is executed and shall be completed by the time work equivalent to 80% of the Contract Amount is executed.</del> <b>(NOT APPLICABLE)</b>
33	33.1 Secured Advance Applicable	<b>No Secured Advance Payable.</b>
	33.2 If yes, Unconditional Bank Guarantee.	In the format prescribed in Annexure-T <b>(NOT APPLICABLE)</b>
	33.2 If yes, Amount of Secured advances.	75% of value of material as determined by the Engineer in Charge. <b>(NOT APPLICABLE)</b>
	32.3 If yes, Conditions for secured Advance.	a) The materials are in accordance with the specification for Works; b) Such materials have been delivered to site, and are properly stored and protected against damage or deterioration to the satisfaction of the Engineer. The contractor shall store the bulk material in measurable stacks; c) The Contractor's records of the requirements, orders, receipt and use of materials are kept in a form approved by the Engineer and such records shall be available for inspection by the Engineer; d) The contractor has submitted with his monthly statement the estimated value of the materials on site together with such documents as may be required by the engineer for the purpose of valuation of the materials and providing evidence of ownership and payment thereof; e) Ownership of such materials shall be deemed to vest in the Employer for which the

		<del>contractor has submitted and Indemnity Bond in an acceptable format; and f) The quantity of materials are not excessive and shall be used within a reasonable time as determined by the engineer. (Not applicable)</del> <b>(NOT APPLICABLE)</b>
	33.4 If yes, Recovery of Secured advance	<del>The advance shall be repaid from each succeeding monthly payments to the extent materials [for which advance was previously paid] have been incorporated into the works.</del> <b>(NOT APPLICABLE)</b>
35	Completion Certificate- after physical completion of the Work	As per Annexure-U
	Final Completion Certificate- after final payment on completion of the work.	As per Annexure-V
36	Competent Authority	<b><u>Superintending Engineer, PHED Concerning Circle</u></b>
39	Salient features of some of the major labour laws that are applicable	As per Annexure-W
41	Competent Authority	<b><u>Chief Engineer, PHED Concerning Zone</u></b>

## **ANNEXURE – N**

(See clause 10 of Section 3 – GCC )

Drawings

----- NIL -----

**Details of Milestones**

<b>S. No.</b>	<b>Activity</b>	<b>From the date of Agreement, or from the date of issue of the letter regarding commencement of work on scheme</b>
1	Value of the work completed should be atleast 40% of the contract value i.e. completion of survey and investigation works.	Within 12 days
2	Value of the work completed should be atleast 70% of the contract value i.e. submission of draft DPR to the Department.	Within 22 days
3	Value of the work completed should be 100% of the contract value i.e. submission of Final DPR to the Department as per requirement of NIT.	Within 30 days

**Note :** ड्राफ्ट डी.पी.आर. पर कार्यपालन यंत्री द्वारा 3 दिवस में अपने कमेंट्स देना होंगे। यदि कार्यपालन यंत्री द्वारा 3 दिवस से अधिक का समय कमेंट्स देने में लगता है तो वह उपरोक्त समय सीमा में सम्मिलित नहीं होगा।



**Compensation for Delay**

If the contractor fails to achieve the milestones, and the delay in execution of work is attributable to the contractor, the Employer shall retain an amount from the sums payable and due to the contractor as per following scale -

- i. Slippage up to 25% in financial target during the milestone under consideration  
—2.5% of the work remained unexecuted in the related time span.
- ii. Slippage exceeding 25% but Up to 50% in financial target during the milestone under consideration  
-5% of the work remained unexecuted in the related time span..
- iii. Slippage exceeding 50% but Up to 75% in financial target during the milestone under consideration  
-7.5% of the work remained unexecuted in the related time span..
- iv. Slippage exceeding 75% in financial target during the milestone under consideration  
-10% of the work remained unexecuted in the related time span.

Note: For arriving at the dates of completion of time span related to different milestones, delays which are not attributable to the Contractor shall be considered. The slippage on any milestone is if made good in subsequent milestones or at the time of stipulated period of completion, the amount retained as above shall be refunded. In case the work is not completed within the stipulated period of completion along with all such extensions which are granted to the Contractor for either Employer's default or Force Majeure, the compensation shall be levied on the contractor at the rate of 0.05% per day of delay limited to a maximum of 10% of contract price.

The decision of Superintending Engineer shall be final and binding upon both the parties.

**List of Equipment for Quality Control Lab**

**Nil**

### Price Adjustment

The formulas for adjustment of price are as follow:

**R =** Value of work as defined in Clause 31.2(3) of General Conditions of Contract

**Weightages\* of component in the work**

S No.	Component	Percentage of component in the work
1	Cement - Pc	
2	Steel - Ps	
3	Bitumen - Pb	
4	POL - Pf	

\* Weightages of various components of the work shall be as determined by the competent technical sanction authority.

#### **Adjustment for cement component**

(ii) Price adjustment for increase or decrease in the cost of cement procured by the contractor shall be paid in accordance with the following formula:

$$V_C = 0.85 \times PC / 100 \times R \times (C_1 - C_0) / C_0$$

V<sub>C</sub> = increase or decrease in the cost of work during the month under consideration due to changes in rates for cement.

C<sub>0</sub> = The all India wholesale price index for Grey cement on the date of opening of Bids as published by the Ministry of Industrial Development, Government of India, New Delhi. (www.eaindustry.nic.in)

C<sub>1</sub> = The all India average wholesale price index for Grey cement for the month under consideration as published by Ministry of Industrial Development, Government of India, New Delhi. (www.eaindustry.nic.in)

P<sub>C</sub> = Percentage of cement component of the work

Note : For the application of this clause, index of Grey Cement has been chosen to represent Cement group.

#### **Adjustment of steel component**

(iii) Price adjustment for increase or decrease in the cost of steel procured by the Contractor shall be paid in accordance with the following formula:

$$V_S = 0.85 \times PS \times / 100 \times R \times (S_1 - S_0) / S_0$$

V<sub>S</sub> = Increase or decrease in the cost of work during the month under consideration due to changes in the rates for steel.

S<sub>0</sub> = The all India wholesale price index for steel (Bars and Rods) on the date of opening of Bids as published by the Ministry of Industrial Development, Government of India, New Delhi. (www.eaindustry.nic.in)

S<sub>1</sub> = The all India average wholesale price index for steel (Bars and Rods) for the month under consideration as published by Ministry of Industrial Development, New Delhi. (www.eaindustry.nic.in)

P<sub>S</sub> = Percentage of steel component of the work.

Note : For the application of this clause, index of Bars and Rods has been chosen to represent steel group.

#### **Adjustment of bitumen component**

(iv) Price adjustment for increase or decrease in the cost of bitumen shall be paid in accordance with the following formula:

$$V_b = 0.85 \times Pb / 100 \times R \times (B_i - B_o) / B_o$$

V<sub>b</sub> = Increase or decrease in the cost of work during the month under consideration due to changes in rates for bitumen.

- ~~Bo = The official retail price of bitumen at the IOC depot at nearest center on the date of opening of Bids.~~  
~~- The official retail price of bitumen of IOC depot at nearest center~~  
~~Bi = for~~  
~~- the 15th day of the month under consideration.~~  
~~Pb = Percentage of bitumen component of the work.~~

**Adjustment of POL (fuel and lubricant) component**

~~( V) Price adjustment for increase or decrease in cost of POL ( fuel and lubricant ) shall be paid in accordance with the following formula:~~

~~$$V_f = 0.85 \times P_f / 100 \times R \times ( F_i - F_o ) / F_o$$~~

- ~~Vf = Increase or decrease in the cost of work during the month under consideration due to changes in rates for fuel and lubricants.~~

~~Fo = The official retail price of High Speed Diesel (HSD) at the existing consumer pumps of IOC at nearest center on the date of opening of Bids.~~

~~Fi = The official retail price of HSD at the existing consumer pumps of IOC at nearest center for the 15th day of month of the under consideration.~~

~~Pf = Percentage of fuel and lubricants component of the work.~~

~~Note : For the application of this clause, the price of High Speed Diesel has been chosen to represent fuel and lubricants group.~~

(See clause 32 of Section 3 -GCC)

**Bank Guarantee Form for Mobilization and Construction Machinery Advance**

To

\_\_\_\_\_ [name of Employer]

\_\_\_\_\_ [address of Employer]

\_\_\_\_\_ [name of Contractor]

\_\_\_\_\_ In accordance with the provisions of the General Conditions of Contract, clause 31 ("Mobilization and Construction Machinery Advance") of the above mentioned Contract \_\_\_\_\_ [name and address of Contractor] (hereinafter called "the Contractor") shall deposit with \_\_\_\_\_ [name of Employer] a bank guarantee to guarantee his proper and faithful performance under the said Clause of the Contract in an amount of \_\_\_\_\_ [amount of Guarantee]\* \_\_\_\_\_ [in words].

\_\_\_\_\_ We, the \_\_\_\_\_ [bank of financial institution], as instructed by the Contractor, agree unconditionally and irrevocably to guarantee as primary obligator and not as surety merely, the payment to \_\_\_\_\_ [name of Employer] on his first demand without whatsoever right of obligation on our part and without his first claim to the Contractor, in the amount not exceeding \_\_\_\_\_ [amount of guarantee]\* \_\_\_\_\_ [in words].

\_\_\_\_\_ We further agree that no change or addition to or other modification of the terms of the Contractor or Works to be performed thereunder or of any of the Contract documents which may be made between \_\_\_\_\_ [name of Employer] and the Contractor, shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

\_\_\_\_\_ This guarantee shall remain valid and in full effect from the date of the advance payment under the Contract until \_\_\_\_\_ [name of Employer] receives full repayment of the same amount from the Contractor.

\_\_\_\_\_ Yours truly,

Signature and Seal : \_\_\_\_\_

Name of Bank/Financial Institution: \_\_\_\_\_

Address : \_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\* An amount shall be inserted by the Bank or Financial Institution representing the amount of the Advance Payment, and denominated in Indian Rupees.

**Bank Guarantee Form for Secured Advance  
INDENTURE FOR SECURED ADVANCES**

~~\_\_\_\_\_ This indenture made the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ BETWEEN \_\_\_\_\_ (hereinafter called the contractor which expression shall where the context so admits or implies be deemed to include his executors, administrators and assigns) or the one part and the Employer of the other part.~~

~~\_\_\_\_\_ Whereas by an agreement dated \_\_\_\_\_ (hereinafter called the said agreement) the contractor has agreed.~~

~~\_\_\_\_\_ AND WHEREAS the contractor has applied to the Employer that he may be allowed advanced on the security of materials absolutely belonging to him and brought by him to the site of the works the subject of the said agreement for use in the construction of such of the works as he has undertaken to executive at rates fixed for the finished work (inclusive of the cost of materials and labour and other charges)~~

~~\_\_\_\_\_ AND WHEREAS the Employer has agreed to advance to the Contractor the sum of Rupees \_\_\_\_\_ on the security of materials the quantities and other particulars of which are detailed in Accounts of Secured Advance attached to the Running Account Bill for the said works signed by the Contractor on \_\_\_\_\_ and the Employer has reserved to himself the option of making any further advance or advances on the security of other materials brought by the Contractor to the site of the said works.~~

~~\_\_\_\_\_ Now THIS INDENTURE WITNESSETH that in pursuance of the said agreement and in consideration of the sum of Rupees \_\_\_\_\_ on or before the execution of these presents paid to the Contractor by the Employer (the receipt where of the Contractor doth hereby acknowledge) and of such further advances (if any) as may be made to him as a for said the Contractor doth hereby covenant and agree with the President and declare as follows:~~

~~That the said sum of Rupees \_\_\_\_\_ so advanced by the Employer to~~

- ~~(1) \_\_\_\_\_ the Contractor as aforesaid and all or any further sum of sums advanced as aforesaid shall be employed by the Contractor in or towards expending the execution of the said works and for no other purpose whatsoever.~~
- ~~(2) \_\_\_\_\_ That the materials details in the said Account of Secured Advances which have been offered to and accepted by the Employer as security are absolutely the Contractor's own propriety and free from encumbrances of any kind and the contractor will not make any application for or receive a further advance on the security of materials which are not absolutely his own property and free from encumbrances of any kind and the Contractor indemnified the Employer against all claims to any materials in respect of which an advance has be made to him as aforesaid.~~
- ~~(3) \_\_\_\_\_ That the materials detailed in the said account of Secured Advances and all other materials on the security of which any further advance or advances may hereafter be made as aforesaid (hereafter called the said materials) shall be used by the Contractor solely in the execution of the said works in accordance with the directions of the Engineer.~~
- ~~(4) \_\_\_\_\_ That the Contractor shall make at his own cost all necessary and adequate arrangements for the proper watch, safe custody and protection against all risks of the said materials and that until used in construction as aforesaid the said materials shall remain at the site of the said works in the Contractor's custody and on his own responsibility and shall at all times be open to inspection by the Engineer or any officer authorized by him. In the event of the said materials or any part thereof being stolen, destroyed or damaged or becoming deteriorated in a greater degree than is due to reasonable use and wear thereof the Contractor will forthwith replace the same with other materials of like quality or repair and make good the same required by the Engineer.~~
- ~~(5) \_\_\_\_\_ That the said materials shall not be removed from the site of the said works except with the written permission of the Engineer or an officer authorized by him on that behalf.~~
- ~~(6) \_\_\_\_\_ That the advances shall be repayable in full when or before the Contract receives payment from the Employer of the price payable to him for the said works under the~~

~~terms and provisions of the said agreement. Provided that if any intermediate payments are made to the Contractor on account of work done than on the occasion of each such payment the Employer will be at liberty to make a recovery from the Contractor's bill for such payment by deducting there from the value of the said materials than actually used in the construction and in respect of which recovery has not been made previously, the value for this purpose being determined in respect of each description of materials at the rates at which the amounts of the advances made under these presents were calculated.~~

- ~~(7) That if the Contractor shall at any time make any default in the performance or observance in any respect of any of the terms and provisions of the said agreement or of these presents the total amount of the advance or advances that may still be owing of the Employer shall immediately on the happening of such default be re-payable by the Contractor to be the Employer together with interest thereon at twelve percent per annum from the date or respective dates of such advance or advances to the date of repayment and with all costs, charges, damages and expenses incurred by the Employer in or for the recovery thereof or the enforcement of this security or otherwise by reason of the default of the Contractor and the Contractor hereby covenants and agrees with the Employer to repay and pay the same respectively to him accordingly.~~
- ~~(8) That the Contractor hereby charges all the said materials with the repayment to the Employer of the said sum of Rupees \_\_\_\_\_ and any further sum of sums advanced as aforesaid and all costs, charges, damages and expenses payable under these presents PROVIDED ALWAYS and it is hereby agreed and declared that notwithstanding anything in the said agreement and without prejudice to the power contained therein if and whenever the covenant for payment and repayment here-in-before contained shall become enforceable and the money owing shall not be paid in accordance there with the Employer may at any time thereafter adopt all or any of the following courses as he may deem best:~~
  - ~~(a) Seize and utilise the said materials or any part thereof in the completion of the said works on behalf of the contractor in accordance with the provision in that behalf contained in the said agreement debiting the contractor with the actual cost of effecting such completion and the amount due to the contractor with the value of work done as if he had carried it out in accordance with the said agreement and at the rates thereby provided. If the balance is against the contractor, he is to pay same to the Employer on demand.~~
  - ~~(b) Remove and sell by public auction the seized materials or any part thereof and out of the moneys arising from the sale retain all the sums aforesaid repayable or payable to the Employer under these presents and pay over the surplus (if any) to the Contractor.~~
  - ~~(c) Deduct all or any part of the moneys owing out of the security deposit or any sum due to the Contractor under the said agreement.~~
- ~~(9) That except in the event of such default on the part of the contractor as aforesaid interest on the said advance shall not be payable.~~
- ~~(10) That in the event of any conflict between the provisions of these presents and the said agreement the provisions of these presents shall prevail and in the event of any dispute or difference arising over the construction or effect of these presents the settlement of which has not been here-in-before expressly provided for the same shall be referred to the Employer whose decision shall be final and the provision of the Indian Arbitration Act for the time being in force shall apply to any such reference.~~

**Physical Completion Certificate**

Name of Work :

.....  
.....  
.....

Agreement no. .... Date .....

Amount of Contract Rs .....

Name of Agency : .....

Used MB no. ....

Last measurement recorded

a. Page No. & MB No. ....

b. Date .....

Certified that the above mentioned work was physically completed on  
..... (date) and taken over on ..... (date) and that I have satisfied  
myself to best of my ability that the work has been done properly.

Date of issue

Executive Engineer

.....  
.....



**Final Completion Certificate**

Name of Work:

.....  
.....  
.....

Agreement no. .... Date .....

Name of Agency : .....

Used MB no. ....

Last measurement recorded

a. Page No.& M B No.-----

b. Date-----

Certified that the above mentioned work was physically completed on .....  
(date) and taken over on ..... (date).

Agreemented amount Rs. ....

Final Amount paid to contractor Rs. -----

Incumbency of officers for the work

I have satisfied myself to best of my ability that the work has been done properly.

Date of issue

Executive Engineer

.....  
.....

### Salient Features of Some Major Labour Laws Applicable

- a) **Workmen Compensation Act 1923:** - The Act provides for compensation in case of injury by accident arising out of and during the course of employment.
- b) **Payment of Gratuity Act 1972:** - Gratuity is payable to an employee under the Act on satisfaction of certain conditions on separation if an employee has completed the prescribed minimum years (say, five years) of service or more or on death the rate of prescribed minimum days' (say, 15 days) wages for every completed year of service. The Act is applicable to all establishments employing the prescribed minimum number (say, 10) or more employees.
- c) **Employees P.F. and Miscellaneous Provision Act 1952:** The Act Provides for monthly contributions by the Employer plus workers at the rate prescribed (say, 10% or 8.33%). The benefits payable under the Act are:
  - i. Pension or family pension on retirement or death as the case may be.
  - ii. Deposit linked insurance on the death in harness of the worker.
  - iii. Payment of P.F. accumulation on retirement/death etc.
- d) **Maternity Benefit Act 1951:** - The Act provides for leave and some other benefits to women employees in case of confinement or miscarriage etc.
- e) **Contract Labour (Regulation & Abolition) Act 1970:** - The Act provides for certain welfare measures to be provided by the Contractor to contract labour and in case the Contractor fails to provide, the same are required to be provided, by the Principal Employer by Law. The principal Employer is required to take Certificate of Registration and the Contractor is required to take license from the designated Officer. The Act is applicable to the establishments or Contractor of Principal Employer if they employ prescribed minimum (say 20) or more contract labour.
- f) **Minimum Wages Act 1948:** - The Employer is to pay not less than the Minimum Wages fixed by appropriate Government as per provisions of the Act if the employment is a scheduled employment. Construction of buildings, roads, runways is scheduled employment.
- g) **Payment of Wages Act 1936:** - It lays down as to by what date the wages are to be paid, when it will be paid and what deductions can be made from the wages of the workers.
- h) **Equal Remuneration Act 1979:** - The Act provides for payment of equal wages for work of equal nature to male and female workers and for not making discrimination against female employees in the matters of transfers, training and promotions etc.
- i) **Payment of Bonus Act 1965:** - The Act is applicable to all establishments employing prescribed minimum (say, 20) or more workmen. The Act provides for payments of annual bonus within the prescribed range of percentage of wages to employees drawing up to the prescribed amount of wages, calculated in the prescribed manner. The Act does not apply to certain establishments. The

newly set-up establishments are exempted for five years in certain circumstances. States may have different number of employment size.

- j) **Industrial Disputes Act 1947:** - The Act lays down the machinery and procedure for resolution of industrial disputes, in what situations a strike or lock-out becomes illegal and what are the requirements for laying off or retrenching the employees or closing down the establishment.
- k) **Industrial Employment (Standing Orders) Act 1946:** - It is applicable to all establishments employing prescribed minimum (say, 100, or 50). The Act provides for laying down rules governing the conditions of employment by the Employer on matters provided in the Act and gets these certified by the designated Authority.
- l) **Trade Unions Act 1926:** - The Act lays down the procedure for registration of trade unions of workmen and Employers. The Trade Unions registered under the Act have been given certain immunities from civil and criminal liabilities.
- m) **Child Labour (Prohibition & Regulation) Act 1986:** - The Act prohibits employment of children below 14 years of age in certain occupations and processes and provides for regulations of employment of children in all other occupations and processes. Employment of child labour is prohibited in building and construction industry.
- n) **Inter-State Migrant Workmen's (Regulation of Employment & Conditions of Service) Act 1979:** - The Act is applicable to an establishment which employs prescribed minimum (say, five) or more inter-state migrant workmen through an intermediary (who has recruited workmen in one state for employment in the establishment situated in another state). The Inter-State migrant workmen, in an establishment to which this Act becomes applicable, are required to be provided certain facilities such as Housing, Medical-Aid, Travelling expenses from home up to the establishment and back etc.
- o) **The Building and Other Construction workers (Regulation of Employment and Conditions of Service) Act 1996 and the Cess Act of 1996:** - All the establishments who carry on any building or other construction work and employs the prescribed minimum (say, 10) or more workers are covered under this Act. All such establishments are required to pay cess at the rate not exceeding 2% of the cost of construction as may be modified by the Government. The Employer of the establishment is required to provide safety measures at the building or construction work and other welfare measures, such as canteens, first-aid facilities, ambulance, housing accommodations for workers near the work place etc. The Employer to whom the Act applies has to obtain a registration certificate from the Registering Officer appointed by the Government.
- p) **Factories Act 1948:** - The Act lays down the procedure for approval of plans before setting up a factory, health and safety provisions, welfare provisions, working hours, annual earned leave and rendering information regarding accidents or dangerous occurrences to designated authorities. It is applicable to premises employing the prescribed minimum (say, 10) persons or more with aid of power or another prescribed minimum (say, 20) or more persons without the aid of power engaged in manufacturing process.

## SECTION 3

### Conditions of Contract

#### Part – II Special Conditions of Contract (SCC)

1. शासन के आदेश क्रमांक एफ 16-50/2017/2/34 दिनांक 31 जुलाई 2017 के अनुसार 1 जुलाई 2017 से लागू माल एवं सेवाकर (GST) सभी वर्क कांट्रेक्ट पर 18 प्रतिशत की दर से लगेगा। शासन के इस आदेश अनुसार ठेकेदार को देयक भुगतान के समय जी.एस.टी. की जो दर देयक पर लागू हो उसके अनुसार टैक्स का भुगतान पृथक से ठेकेदार को किया जावेगा। जी.एस.टी. को छोड़कर (Exclusinve of GST) शेष समस्त कर, उपकर, लेवी, फी, टोल इत्यादि के भुगतान का दायित्व निविदाकार का होगा तथा यह माना जायेगा कि निविदाकार द्वारा प्रस्तुत वित्तीय प्रस्ताव (Financial Offer) में उक्त राशि का भुगतान सम्मिलित है।
2. निविदाकार का नियमानुसार संबंधित कर विभाग में पंजीयन होना आवश्यक है। देयक से आयकर, वाणिज्यकर, **जी एस टी** एवं कर्मचारी कल्याण उपकर का नियमानुसार कटौती किया जावेगा।
3. निविदा दर में समस्त कर सम्मिलित होंगे। पृथक से किसी भी प्रकार के कर का भुगतान विभाग द्वारा निविदाकार को नहीं किया जावेगा।
4. सशर्त निविदाएं मान्य नहीं की जावेगी।
5. निविदा स्वीकृत होने के उपरांत निविदाकार द्वारा अनुबंध का संपादन संबंधित जिले के कार्यपालन यंत्री के साथ किया जाना होगा।
6. 5 प्रतिशत की राशि सुरक्षा निधि के रूप में देयक से कटौती की जावेगी।
7. अमानत/धरोहर राशि (EMD) के रूप में ली गई प्रतिभूति को अंतिम देयक के निराकरण के पश्चात् विमुक्त की जायेगी।
8. प्राप्त न्यूनतम निविदा दर (एल-1) पंद्रह प्रतिशत से अधिक नीचे (More Than Fifteen Percent Below) होने पर निविदा दर को अव्यवहारिक दर (Unworkable Rates) माना जावेगा। अव्यवहारिक दरें (Unworkable Rate) प्राप्त होने पर सफलतम निविदाकार (एल-1) द्वारा निविदत्त दर अनुसार गणित निविदा राशि (Tendered amount) एवं एस.ओ.आर. पर निविदा की लागत से 15 प्रतिशत कम राशि (Amount 15% below PAC) के अंतर की राशि परफॉरमेंस ग्यारंटी के रूप में (Performance guarantee) ली जायेगी।
9. परफॉरमेंस गारंटी उसी प्रारूप में ली जावेगी जिसमें अरनेस्ट मनी (Earnest Money) ली जाती है।
10. Performance guarantee प्राप्त होने के उपरांत ही अनुबंध निष्पादित किया जायेगा।
11. निविदा अनुबंध के दस्तावेजों पर न्यूनतम रुपये 500/- तथा अधिकतम रुपये 25000/- के अध्याधीन रहते हुये ऐसे दस्तावेज द्वारा प्रतिभूत रकम अथवा मूल्य का 0.25 प्रतिशत स्टाम्प शुल्क प्रभारित होगा।
12. बिना कारण बताए निविदा स्वीकृत/अस्वीकृत करने का पूर्ण अधिकार निविदा आमंत्रण कर्ता को होगा।
13. कार्य हेतु किसी भी प्रकार का परिवहन से संबंधित व्यय, तथा निविदाकार द्वारा प्रयुक्त किसी भी सामग्री अथवा उपकरण के खराब होने पर अथवा मानकों के अनुरूप न होने

पर उसको बदलने/सुधार करने में हुये व्यय का विभाग द्वारा कोई भुगतान नहीं किया जावेगा।

14. कार्यपालन यंत्री द्वारा योजनावार डी.पी.आर. बनाने का कार्य प्रारंभ करने की लिखित सूचना ठेकेदार को दी जावेगी तथा इस प्रकार दी गई लिखित सूचना के दिनांक से 1 माह की अवधि में पूर्ण कर अंतिम डी.पी.आर. (Final DPR) प्रस्तुत की जानी होगी।
15. निविदाकार को कुल देय राशि अनुबंध की लागत का 150 प्रतिशत से अधिक नहीं होगी अर्थात् निविदाकार से अनुबंध की लागत से 50 प्रतिशत अधिक तक का कार्य कराया जा सकेगा।
16. निविदा में एक से अधिक ग्रामों की योजना की डी.पी.आर. तैयार करने का प्रावधान होने पर योजनावार **Agreemented Amount** की गणना कंडिका 17 के अनुसार की जावेगी। निविदा में सम्मिलित ग्रामों की योजनाओं की डी.पी.आर. ग्रामवार बनाई जायेगी।
17. **विद्युत मोटर पंप आधारित नलजल योजना की डी.पी.आर. हेतु:-** ग्रामवार निविदा लागत राशि की गणना प्रश्नाधीन ग्राम की वर्ष 2011 की जनसंख्या (Census 2011 Population) में प्रति व्यक्ति योजना लागत रु. 4,000/- एवं गुणात्मक फैक्टर 0.005 (0.5 प्रतिशत) से गुणा कर आंकलित की जावेगी। इस प्रकार प्राप्त निविदा लागत में निविदाकार द्वारा निविदा में दी गई प्रतिशत दर (+/-/=) को जोड़कर योजनावार (ग्रामवार) अनुबंध की लागत (**Agreemented Amount**) की गणना की जावेगी। इस प्रकार प्राप्त अनुबंध लागत के अनुसार योजनावार भुगतान नीचे दिये गये पेमेण्ट शेड्यूल के अनुरूप किया जावेगा।

उदाहरणस्वरूप :-

जनगणना वर्ष 2011 के अनुसार किसी 1 ग्राम की जनसंख्या =	1000
प्रति व्यक्ति योजना लागत	= रु. 4000
योजना की लागत = 1000 X 4000	= रु. 40,00,000
1 ग्राम की डी.पी.आर. तैयार कराने हेतु निविदा लागत	= 0.005X40,00,000
	= रु. 20,000
ठेकेदार द्वारा दी गयी निविदा दर	= 10प्रतिशत अधिक
ग्राम की डी.पी.आर. तैयार करने हेतु अनुबंध लागत	= रु. 20,000X1.1
	= रु. 22,000

**सोलर पंप आधारित नलजल योजना की डी.पी.आर. हेतु :-** ग्रामवार निविदा लागत राशि की गणना प्रश्नाधीन ग्राम की वर्ष 2011 की जनसंख्या (Census 2011 Population) में प्रति व्यक्ति योजना लागत रु. 6,500/- एवं गुणात्मक फैक्टर 0.005 (0.5 प्रतिशत) से गुणा कर आंकलित की जावेगी। यदि इस प्रकार आंकलन से निविदा लागत रुपये 8,000/- से कम आती है तो प्रत्येक योजना हेतु न्यूनतम निविदा लागत रु. 8,000/- होगी। इस प्रकार प्राप्त निविदा लागत में निविदाकार द्वारा निविदा में दी गई प्रतिशत दर (+/-/=) को जोड़कर योजनावार (ग्रामवार) अनुबंध की लागत (**Agreemented Amount**) की गणना की जावेगी। इस प्रकार प्राप्त अनुबंध लागत के अनुसार योजनावार भुगतान नीचे दिये गये पेमेण्ट शेड्यूल के अनुरूप किया जावेगा।

उदाहरणस्वरूप :-

जनगणना वर्ष 2011 के अनुसार किसी 1 ग्राम की जनसंख्या	= 220
प्रति व्यक्ति योजना लागत	= रु. 6,500
योजना की लागत = 220 X 6500	= रु. 14,30,000
1 ग्राम की डी.पी.आर. तैयार कराने हेतु निविदा लागत	= 0.005 X 14,30,000
	= रु. 7,150

चूंकि प्रत्येक योजना की डी.पी.आर. तैयार करने हेतु न्यूनतम निविदा लागत रु. 8000 है अतः उपरोक्त अनुसार आंकलित निविदा लागत रु. 7,150 के स्थान पर रु. 8000 होगी।

निविदा लागत	= रु. 8000
ठेकेदार द्वारा दी गई निविदा दर	= 10 प्रतिशत
ग्राम की डी.पी.आर. तैयार करने हेतु अनुबंध लागत = रु. 8,000 X 1.1	
	= <b>रु. 8,800</b>

18. यदि किन्हीं ग्रामों का क्लस्टर बनाकर समूह योजना बनाया जाना उपयुक्त पाया जाता है तो निविदाकार ऐसी योजना बनाने के लिये बाध्य होगा तथा इस योजना की **Agreemented Amount** की गणना कंडिका 17 के अनुसार की जावेगी।
19. अनुबंध में दो गई समय सीमाओं को **Annexure-O** में दर्शाया गया है, जिसके अनुरूप समय-सीमा में कार्यवाही की जाना होगी।
20. निविदाकार द्वारा पंचायत से ठहराव प्रस्ताव निविदा में संलग्न प्रारूप अनुसार प्राप्त करना होगा, जिसमें विभाग द्वारा सहयोग किया जावेगा। यह ठहराव प्रस्ताव डी.पी.आर. में सम्मिलित किया जावेगा।
21. अंतिम डी.पी.आर. की 06 प्रतियाँ हार्डकापी एवं 01 प्रति साफ्ट कापी (CD/DVD) में विभाग को प्रस्तुत करनी होगी।
22. सर्वेक्षण के आंकड़े हार्ड एवं सॉफ्ट कापी में अंतिम डी.पी.आर. के साथ प्रस्तुत करने होंगे।
23. सर्वेक्षण दल द्वारा संबंधित ग्राम में उपस्थित होकर किये गये सर्वेक्षण/पी.आर.ए. के फोटोग्राफ एवं प्रभारी उपयंत्री से सर्वेक्षण संबंधी प्रमाण पत्र डी.पी.आर. में सम्मिलित किया जायेगा।
24. योजना की डी.पी.आर. हेतु सर्वेक्षण के उपरांत डी.पी.आर निर्माण एजेंसी द्वारा ग्राम की पेयजल उपसमिति/ग्राम पंचायत/ग्रामीणों के समक्ष जिसमें महिलाओं की भागीदारी भी सुनिश्चित हो में योजना की विस्तृत जानकारी प्रस्तुत की जायेगी तथा उनके सुझाव प्राप्त किये जायेंगे। यह प्रस्तुतिकरण विभागीय अभियंता/सलाहकार/समन्वयक की उपस्थिति में किया जायेगा। तकनीकी एवं वित्तीय रूप से व्यवहारिक सुझावों को सम्मिलित करने के उपरांत डी.पी.आर. पर निविदाकार द्वारा कार्यपालन यंत्री से चर्चा की जायेगी।
25. कार्यपालन यंत्री के सुझावों को डी.पी.आर. में सम्मिलित करने के उपरांत ड्राफ्ट डी.पी.आर. कार्यपालन यंत्री को प्रस्तुत की जायेगी। इसके उपरांत ड्राफ्ट डी.पी.आर. का प्रस्तुतिकरण मुख्य अभियंता के समक्ष किया जावेगा तथा उनसे प्राप्त सुझावों का

- समावश करते हुये डी.पी.आर. को अंतिम रूप दिया जायेगा तथा अंतिम डी.पी.आर. कार्यपालन यंत्री को प्रस्तुत की जायेगी।
26. मुख्य अभियंता के समक्ष प्रस्तुतिकरण के उपरांत 03 दिवस की अवधि में अंतिम डी.पी.आर. (Final DPR) संबंधित जिले के कार्यपालन यंत्री के कार्यालय में प्रस्तुत की जावेगी।
  27. योजना के स्रोत/स्रोतों की जल आवक क्षमता का प्रमाण पत्र एवं जल गुणवत्ता परीक्षण संबंधी प्रतिवेदन कार्यपालन यंत्री से प्राप्त कर डी.पी.आर. में लगाना अनिवार्य होगा। योजना में यदि स्रोत नलकूप हो तो नलकूप की जानकारी यथा गहराई, केसिंग पाईप की लंबाई, जल आवक क्षमता, आदि कार्यपालन यंत्री से प्राप्त कर योजना की डी.पी.आर. में सम्मिलित की जावे।
  28. यदि योजना सोलर पंप आधारित है तो सोलर पंप एवं पैनल के डिजाइन हेतु विषय विशेषज्ञ की सेवायें डी.पी.आर. तैयार करते समय निविदाकार द्वारा ली जावेगी तथा ऐसे विषय विशेषज्ञ के बायोडॉटा का अनुमोदन विभाग से कराया जाना आवश्यक होगा।
  29. Schedule of payment shall be as follows :-
 

1 After submission of Draft DPR to EE	: 50% of the agreed amount.
2 Submission of Final DPR to EE	: 40% of the agreed amount.
3 Clearance/Approval of DPR from the Department	: 10% of the agreed amount.

**ऐसी निविदायें जिनमें एक से अधिक समूह के कार्य सम्मिलित हों तो उन निविदाओं में निम्न अतिरिक्त विशेष शर्तें भी लागू होंगी :-**

30. इस निविदा में एक से अधिक निविदा के समूह (Group) सम्मिलित हैं। निविदाकार द्वारा एक से अधिक समूहों में भाग लिया जा सकेगा। पृथक-पृथक समूहों हेतु पृथक-पृथक निविदा प्रपत्र निविदाकार द्वारा क्रय किया जाना होगा तथा समूहवार निविदा प्रस्तुत की जाना होगी।
31. एक निविदाकार को अधिकतम 10 समूह का कार्य ही आवंटित किया जावेगा। निविदा में सम्मिलित समूहों के नाम जिले के नाम पर आधारित हैं। समूहों के वित्तीय प्रस्ताव (Envelope-C) अंग्रेजी भाषा की वर्णमाला (A, B, C, D, E, ..... Z) के क्रम में खोले जावेंगे। जैसे ही किसी निविदाकार द्वारा प्रस्तुत वित्तीय प्रस्तावों में से क्रमबद्ध खोले गये समूहों में से किन्हीं 10 समूहों में उसकी दरें न्यूनतम पायी जाती हैं, तो शेष समूहों के लिये उसके द्वारा दिये गये वित्तीय प्रस्ताव नहीं खोले जायेंगे।
32. कंडिका क्रमांक 31 अनुसार निविदाकार को आवंटित 10 समूहों में से जितने समूह का कार्य निर्धारित समयावधि में निविदाकार द्वारा पूर्ण कर लिया जावेगा, आगामी समय में आमंत्रित की जाने वाली नवीन निविदाओं के उतने ही समूहों में वह भाग ले सकेगा।
33. अनुबंध की समय-सीमा 12 माह है जिसमें प्राथमिक आंकलन के अनुसार निविदा में उल्लेखित ग्रामों की योजनाओं की डी.पी.आर. तैयार की जाना है। कार्यपालन यंत्री द्वारा इस संख्या से कम या अधिक ग्रामों की डी.पी.आर. तैयार किये जाने का कार्यादेश दिया जा सकेगा। जिस ग्राम की डी.पी.आर. तैयार किये जाने का कार्यादेश दिया जाता है, उसके लिये निविदाकार को देय राशि को गणना कंडिका 17 में निविदा प्रीमियम जोड़कर की जायेगी।

34. निविदाकार को भुगतान कंडिका 17 अनुसार आंकलित योजनावार अनुबंध लागत के अनुरूप ही किया जायेगा। अंतिम डी.पी.आर. की लागत से अनुबंध लागत पर कोई प्रभाव नहीं पड़ेगा।
35. निविदा में सम्मिलित ग्राम की संख्या कम अथवा ज्यादा हो सकती है। अनुबंध का क्रियान्वयन योजनावार होगा तथा अनुबंध में दी गई समय सीमायें योजनावार ही लागू होंगी, जिन्हें Annexure-O में दर्शाया गया है।



## Section 4

### Bill of Quantities (BOQ)

**Name of work :** Preparation of Detailed Project Reports for "Solar Photo Voltaic (SPV) DC Pump Based Piped Water Supply Scheme with source sustainability structures to supply drinking water through household connections of various Villages of Districts mentioned in the NIT with provision of Operation and Maintenance of entire scheme including survey & investigation, design, drawing, preparation of estimates and BOQ etc." complete.".

**Probable Amount of Contract :** As mentioned in NIT

(Rs. in Figure) - As mentioned in NIT

(Rs. in Words)

S. No.	Group Name	Particulars	Qty	Unit	Rate	Amount	
						(in figure)	(in Words)
1		Preparation of Detailed Project Reports for "Solar Photo Voltaic (SPV) DC Pump Based Piped Water Supply Scheme with source sustainability structures to supply drinking water through household connections of various Villages of Districts mentioned in the NIT with provision of Operation and Maintenance of entire scheme including survey & investigation, design, drawing, preparation of estimates and BOQ etc." complete.".				As per NIT	

## SECTION 5

### AGREEMENT FORM

#### Agreement

This agreement, made the \_\_\_\_\_ day of \_\_\_\_\_ between \_\_\_\_\_ (name and address of Employer) (hereinafter called " the Employer) and \_\_\_\_\_ (name and address of contractor) hereinafter called "the Contractor" of the other part.

Whereas the Employer is desirous that the Contractor execute \_\_\_\_\_ (name and identification number of Contract) (hereinafter called "the Works") and the Employer has accepted the Bid by the Contractor for the execution and completion of such Works and the remedying of any defects therein, at a cost of Rs. \_\_\_\_\_

#### **NOW THIS AGREEMENT WITNESSETH as follows:**

1. In this Agreement, words and expression shall have the same meanings as are respectively 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 to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein Contract Price or such other sum as may become payable under the provisions of the Contract at the times 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. Contractor's Bid
  - iii. Condition of Contract: General and Special
  - iv. Contract Data
  - v. Bid Data
  - vi. Drawings
  - vii. Bill of Quantities and
  - viii. Any other documents listed in the Contract Data as forming part of the Contract.

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

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 \_\_\_\_\_

Binding Signature of Contractor \_\_\_\_\_