

Standard Bidding Document
For
Pradhan Mantri Gram Sadak Yojana
(PMGSY)
For
Construction & Maintenance
Of
Roads under Full Depth Reclamation/ In-Situ
Stabilization with Cement and Additive

Package HPFDR-...
(Package No.....)
Road Name:
Circle :
Division:

Himachal Pradesh Public Works Department

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EXPLANATORY NOTE

Format of the Bidding Document

The Standard Bidding Document for Pradhan Mantri Gram Sadak Yojana (PMGSY) follows the format of the MoRTH Bidding Document, which is similar to the format for National Competitive Bidding for Works (India Version) — as approved by the Ministry of Finance for World Bank aided projects.

The document has the added feature of maintenance of roads for five years by the contractor who constructs the road.

SECTION 1

LIST OF IMPORTANT DATES

NOTICE INVITING TENDERS

SECTION 1

Office of the Chief Engineer Zone ,

HPPWD ----- DivisionCircle -----

Address:-

Mail id- ----- Phone no. -----

**List of Important Dates of Bids for Construction/Up-gradation of Roads using New Technology
“Full Depth Reclamation / In-situ Stabilization with Cement and Additive” under Pradhan
Mantri Gram Sadak Yojana and their Maintenance for Five years**

1. Package No: UPFDR-01

Sl. No.	Name of Employer for Execution of Contract Bond	District	Package no.	Name of the work	Period of completion	Estimated Cost Excluding GST (Rs. Lakh)		Total Cost excluding GST (Rs. Lakh)
						Constru ction	Mainte nance	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Total Cost of Group HPFDR-								

2	Maintenance Period is five years from the completion date	
3	Date of Issue of E-Procurement Notice through News Paper	
4	Date of Publishing of E-Procurement Notice through News Paper	
5	Date of Issue of Notice Inviting Bid online	
6	Publishing date on web site	

7	<p>Start date and time of availability of Bidding Documents for download on e-tender website for download https://pmgsytendershp.gov.in</p>	<p>from dated: from 12.00 Noon onwards</p>
8	<p>Time, Date and Place of Pre-bid Meeting</p>	<p><u>On dated: -</u> Time: - 3.00 PM Place: Office of Zonal Chief Engineer, HPPWD Zone, <u>Mode of participation: Physically / through VC Pre-Bid Meeting of FDR under the Chairmanship of</u></p>
9	<p>Uploading of final documents/reply of pre-bid meeting</p>	
10	<p>Start date and time of submission of bid on tender website</p>	
11	<p>Last date of submission of bid Deadline for Receiving Bids on-line, on e-tender web site https://pmgsytendershp.gov.in including online payment of bid security , cost of bid document (Tender Fee) from a Schedule Commercial Bank, Scanned copy of Affidavits and all other required documents to satisfy the qualification criteria as per clause 4 of ITB The online payment of Bid Security and cost of bid Documents (Tender Fee) to be done simultaneously on e-tendering website along with the submission of Bids.</p>	<p>Dated: 25.02.2022 Time up to 12:00 Noon</p>
12	<p>Name of Employer for Execution of Contract Bond</p>	<p>Zonal Chief Engineer , HPPWD Zone</p>
	<p>Date of Submission of original documents along with Bid-id Sheets generated after bid submission by the bidder.</p>	<p>At the time of signing of contract Bond in the Employer Office: Zonal Chief Engineer , HPPWD Zone</p>
	<p>Time and Date for opening of part-1 of Bids</p>	<p>Opening of Bids: The Bids will be opened on-line on e-tender website https://pmgsytendershp.gov.in by the authorized officer at the appointed time</p>

Standard Bidding Document for Regular PMGSY (FDR Technology)

		Date: 26.02.2022 Time: - 12.30 PM
13	Place of opening Bid/Bids	Place:
14	Last Date of Bid Validity Officer inviting Bids	90 Days from the deadline date for bid submission
		Zonal Chief Engineer, HPPWD Zone

SECTION -1

Office of the Zonal Chief Engineer, Himachal Pradesh Public Works Department

Address:-

Mail id-..... Phone no.

NOTICE INVITING TENDER (NIT)

Letter No:

On the basis of e-procurement notice issued by Chief Engineer , Zone HPPWD vide his letter number dated the Chief Engineer , Zone HPPWD on behalf of Governor of Himachal Pradesh invites the **percentage rate bids**, in electronic tendering system, for construction of roads under New Technology “Full Depth Reclamation / In-situ Stabilization with Cement and Additive” under Pradhan Mantri Gram Sadak Yojana-III for each of the following Packages of works including their maintenance for five years from the **eligible and approved Contractors registered with HP PWD, in the appropriate class (A) or equivalent category in CPWD/ MES/ Railways and other State Govt. and Central Govt. Departments.** *Non-registered bidders may submit bids; however, the successful bidders must get registered in appropriate class with appropriate authorities before signing the contract.*

S.No	District	Group No	Package No	Name of Road	Period of completion including rainy season	Estimated Cost Excluding GST(Rs in Lakh)		Total Cost excluding GST (Rs. Lakh)	Bid Security in lakh
						Construction Cost	Maintenance Cost		
1	2	3	4	5	6	7	8	9	10
1									
2									
3									
4									
5									

2. Date of release of e-procurement notice through News Paper: -
3. Date of publishing of e-procurement notice through News Paper: -
4. Date of Invitation for Bids on-line: -
5. Publishing date of Bid on on-line: -
6. Start Date and Time of Availability of Bid Document for download on web site:
from 12:00 Noon onwards
- 7(a). Date and Time of pre-bid meeting: **at 3.00 PM at Office of Chief Engineer, HPPWD**

Mode of Participations: Physically or online through the given Link.

Link:

Pre-Bid Meeting of FDR under the Chairmanship of Sri

VC link details:

- 7(b). Uploading Final Documents/Reply of Pre-bid Meeting: at 12.00 Noon
8. Start Date and Time of submission of Bids through e-procurement:**from 12.Noon**
9. **Cost of Bid Document/Form: Rs. 5000.00 (non-refundable).** To be deposited in the account of **PMGSY e-tender online Account- through PMGSY e-tender portal through Internet Banking only.** **All concerned please note that the bidding process will not move onward if the Bid Document's Cost (Tender Fee) is not paid through PMGSY e-tender portal by Internet Banking.**
10. **Bid Security (EMD):** Bids must be accompanied with security of the amount specified for the work in the table as per column 10. Bid security will be deposited in the account of **PMGSY e-tender online Account- through PMGSY e-tender portal through Internet Banking only.** **All concerned please note that the bidding process will not move onward if the Bid Security (EMD) is not paid through PMGSY e-tender portal by Internet Banking.** No other form of bid security will be accepted.
11. **Availability of Bid Document and mode of submission:** The bid document is available online and bid should be submitted online on website www.pmgstenders.gov.in. The bidder would be required to register in the website which is free of cost. For submission of bids, the bidder is required to have valid Digital Signature Certificate (DSC) from one of the authorized Certifying Authorities (CA). "Aspiring bidders who have not obtained the user ID and password for participating in e-tendering in PMGSY may obtain the same from the website: <https://pmgstendershp.gov.in>
- Digital signature is mandatory to participate in the e-tendering. Bidders already possessing the valid digital signature issued from authorized CAs can use the same in this tender.
12. **Submission of Original Documents:** The bidders are required to submit the following document at the time of signing of contract Bond in the office of the Engineer HPPWD -----

- (a) *Affidavit regarding correctness* of information furnished with bid document as per provisions of Clause 4.4(B) (a) (ii) of ITB with the office specified in the Bid Data Sheet,
- (b) *Self-attested bid id sheet generated when the bid successfully submitted by the bidder*

Original documents must match the scanned copies submitted along with the bids on line. In case, of any discrepancy in this respect, it will be treated as miss-representation by the Bidder. Such Bidder shall be liable to be debarred for participating in bids for five years.

- 13. **Last Date/ Time for receipt of bids through e-tendering: 12.00 Noon**
- 14. The site for the work is available.
- 15. Only online submission of bids is permitted, therefore; bids must be submitted online on website <https://pmgsytendershp.gov.in>. The technical qualification part of the bids will be opened online at **12.30 PM** on by the authorized officers. If the office happens to be closed on the date of opening of the bids as specified, the bids will be opened online on the next working day at the same time.
- 16. The bidder is not required to quote his rate for **routine maintenance**. The rates to be paid for routine maintenance (excluding GST) are indicated in the Bill of Quantities. GST will be paid extra as applicable. Further, the payment for routine maintenance to the contractor shall be regulated based on his performance of maintenance activities.
- 17. The bids for the work shall remain valid for acceptance for a period not less than ninety days after the deadline date for bid submission.
- 18. ***Bidders may bid for any one or more of the groups mentioned in the tables above.***
- 19. Other details can be seen in the bidding documents. The Employer shall not be held liable for any delays due to system failure beyond its control. Even though the system will attempt to notify the bidders of any bid updates, the Employer shall not be liable for any information not received by the bidder. It is the bidders' responsibility to verify the website for the latest information related to the tender.
- 20. (i) The job mix design is an important factor for FDR. This varies with soil type also. So, the company bidding for the FDR Project, if does not have its own additive, will be required to have an prior to bidding agreement with the additive company.

(ii) The Additive Company should have experience in the field of road construction using New Technology "***Full Depth Reclamation (FDR) in-situ stabilization with cement stabilization and additives***", either in India or Outside India. It will have to support for mix design, execution and supervision of the soil stabilized layer.

(iii) The contractor will also have to submit Job mix report to the Employer within 45 days of date of issue of Acceptance Letter.

(iv) The stabilizer/Additive/Commercial Chemical Stabilizer's acceptability will be examined in light of the provisions in MoRTH circular dated 14.12.2020 and IRC SP-89 (Part-II)-2018, important parts of which are as follows:

The clause 8.3 and 09 of the circular dated 14.12.2020 of MoRTH state that-

(a) "8.3- It is clarified that any new alternate, material & technology that has been accredited by IRC, and falling under IRC: SP-89(Part II), will not require further accreditation, and will henceforth fall under approved, alternate, material and technologies.

(b) 9- It is clarified that the material /technology for which Codes, Standards, Specifications, Guidelines etc. of IRC, MoRTH, AASHTO, ASTM, Euro Code and British Codes are available shall not be treated as new / alternate material / technology.

(v) The stabilizer/Additive/Commercial Chemical Stabilizer's must be accredited by IRC or equivalent organizations in any other country.

(vi) A crack relief Aggregate Interlayer or Stress Absorbing Membrane Interlayer (SAMI) will be used.

(vii) In-situ material is to be used for pavement construction. If there is need of Additional material (in case of no or less material available) as per site condition/Job Mix Formula, the approval of Engineer in charge and competent authority shall be mandatory. Rates for the same shall be included in the quoted rates of the bidder. No extra payment will be made on account of procurement /carriage etc

(viii) Use of specialized stabilization machinery shall only be permitted. The equipments required are: Truck mounted- PLC Controlled Cement-Binder Spreader–Truck mounted Water Tanker–Additive Truck Spreader – Recycler (Rotor width 2.0 meter (Minimum Engine Power 315 KW) to 2.54 meter (Minimum Engine Power 510 KW)–Pad Foot Roller (20 T) + Single Drum Soil Compactor (10 to 13 T)–Motor Grader of Blade width 3.35/3.7/4.3 meter(160 HP to180 HP), Vibratory Tandem Roller (10 to 13 T)–Pneumatic Tyre Roller (10 T -14 T capacity with Ballast weight at least 18 T) and Truck mounted water tanker 12000 litre capacity

(ix) A contractor with one set of equipment can get projects of approximately 75 kms length of roads for up gradation where one set means equipments as per Serial No VIII above. As a package will not be splitted for the purpose, so this limit of 75 kms can have variation of plus minus 25%

(x) The contractor owning the required equipments as above (S No. VIII) will only qualify to bid.

(xi) The Contractor having experience of road Construction based on FDR Technology for at least 50 kms of length will qualify to participate.

(xii) The bidder shall abide by the following:

(a) Mix design of Full-Depth Reclamation (FDR) work should be worked out by the Contractor either in his laboratory/Additive manufacturer's laboratory (having equipments which are NABL accredited) to specify the amount (% of blending ratio) of Ordinary Portland Cement and Commercial Chemical Stabilizer (CCS) to obtain the minimum required Unconfined Compressive Strength (UCS), Flexural strength/ Residual strength of the pavement and Durability test under alternate wet-dry conditions after 07/28 days.

The mix shall be designed for 07/28 days for the laboratory specimens with unconfined compressive strength of 4.5MPa (minimum) for base course. The laboratory strength value shall be 1.10 times the minimum field UCS value stipulated in contract.

Mix design report shall contain reports of Gradation of individual layers- BT, Base, Sub base , Liquid Limit (LL), Plastic Limit (PL), and Plasticity Index (PI) of combined material, Maximum Dry Density and OMC of the FDR mixture, Optimum cement % and/or stabilising agent content as a percentage of dry materials, Design Moisture Content, Unconfined compressive strength at each trial with specified cement content and UCS shall be obtained.

If the Mix design is performed at Contractor's laboratory, PMC will do the vetting and Engineer-in Charge will approve it. The certificate from the additive manufacturer has to be submitted, with the pavement performance guarantee.

The FDR base will be executed as follows:

Stabilization of in-situ (existing pavement crust) or soil or otherwise sub base/ base course up to the required depth by cold in-situ recycling at OMC using cement and chemical additives providing pulverizing, spreading, milling and mixing of chemical additives at the appropriate rate as per job mix design in accordance with IRC-SP-72-2015 , IRC-37-2012 & 2018 and IRC SP 89 (part II) 2018 and as per NRIDA guidelines on FDR. **Cementitious additive and CCS/CS additive as per job mix design (Minimum Cement in Mix design cannot be less than 3 Percent) should be spread on the existing pavement** using a mobile truck mounted containerized cement/ additive spreader with micro processor controlled weighing and spreading system. The additive spreader shall have variable working width sufficient to cover whole pavement lane. The in-situ stabilization process shall be carried out by a mobile and self propelled stabilizer / reclaimer of working width **(Rotor width 2.0 meter (Minimum Engine Power 315 KW) to 2.54 meter (Minimum Engine Power 510 KW)** with a variable working depth up to 50 cm. The resultant stabilized mix then will be profiled to the required grade, level and thickness using motor grader and the mix would be compacted using **20 Ton** pad foot roller in combination with **Single Drum Soil Compactor (10 to 13 T)–Motor Grader of Blade width 3.35/3.7/4.3 meter (160 HP to180 HP), Vibratory Tandem Roller (10 to 13 T)–Pneumatic Tyre Roller (11 to 14 T and Ballast weight up to 18 T)** to achieve desired proctor density as per IRC 37-2012 & 2018 and complete in all respect and curing with water as required including all materials, labour and machinery etc. The entire in-situ process would be carried out in single pass with milling and pulverizing of damaged asphalt pavement / soil/ aggregates / soil-aggregate mixture to the desired depth and with simultaneous addition of additives and water with machine integrated spray bars fitted on the wheeled self-propelled and vibratory pad foot roller to achieve the desired proctor density in all respects. The tandem roller will be followed by Pneumatic Tyre Roller. The minimum unconfined compressive strength (UCS) for stabilized **Base Course** should be **4.5 MPa-7Mpa in after 7 / 28 days** of curing as per IRC-SP-72-2015, IRC-37-2012 & 2018. Also durability aspects (wet-dry cycles) of stabilized sub base should be satisfied as per IRC 37-2012 & 2018 and IRC SP 89 (part II) 2018. The gradation mixes and materials should be as per IRC 37-2012 & 2018 and IRC SP 89 (part II) 2018. At least the empty bulker with compressor must be available. The train of equipments to be used are Truck mounted- PLC Controlled Cement-Binder Spreader–Truck mounted Water Tanker–Additive Truck **Spreader – Recycler (Rotor width 2.0 meter (Minimum Engine Power 315 KW) to 2.54 meter (Minimum Engine Power 510 KW)–Pad Foot Roller (20 T) + Single Drum Soil Compactor (10 to 13 T)–Motor Grader of Blade width 3.35/3.7/4.3 meter(160 HP to180 HP), Vibratory Tandem Roller (10 to 13 T)–Pneumatic Tyre Roller (10 T -14 T capacity with Ballast weight at least 18 T).**

(b) The Contractor shall construct trial patch length well in advance for the proposed start of Full-Depth Reclamation (FDR) work. The Contractor shall submit for PMC/ Engineer-In- charge approval, a detailed methodology statement giving description of proposed materials, plant, and equipment and construction methods. All major equipments like Recycler Machine, Cement Spreader, Additive Spreader, Vibratory Pad Foot Roller, Vibratory Single Drum Soil Compactor, Vibratory Tandem Roller, Motor grader, Pneumatic Roller, Front end/Back type loader, Bulker for Cement Handling for uploading to cement spreader, 6 units daily for 8 hours/bulker, minimum 3 Water tankers of Capacity 12000 liters, 4 number for 10 Hours/each etc. to be deployed in construction of trial length of FDR work.

(c) The Contractor shall demonstrate the materials, plant, equipment and method of Construction that are proposed for FDR work, by the first constructing a trial length of FDR, at least 100-300 meters long mechanized construction. The width of trial section shall be full carriageway width as shown in drawings/agreement. The trial length shall be constructed at a paving rate which is proposed for the main work. Trial length should be constructed on main Carriageway of work.

(d) At the age of 07 days and 28 days, Minimum of 21 cores with diameter 150mm shall be cut from the FDR base course when thickness of FDR base is more than 300mm and 100mm be cut from the FDR base course when thickness of FDR base is less than 300mm. The cores shall be suitably cut at both ends to provide a specimen of plane surface on both ends. **Strength of core shall not be based on core cut. The LWD/FWD/BBD value shall appropriately be used to re-ascertain the strength.** The diameter to height ratio of core shall 1 to 2 or as per IRC code provision. **Sample taken from trial length will be tested in presence of State Quality Monitors (SQMs) appointed by the state Govt in the laboratory of contractor or in additive manufacturer's laboratory for unconfined compressive Strength (UCS),** Durability Tests and flexural strength and samples should meet the criteria as defined in the Contract. If above tests of 7 days for trial length meets the criteria then trial length will be considered as a part of FDR work, on the basis of result of 7 days trial length and then the Contractor will be allowed to proceed to execute the entire stretch of FDR work.

21. Any bidder who is punished by any Honourable court for criminal activity is not allowed to participate in the bidding process or involved in the organised crime or gangster activities or Mafia or Gunda or Anti-Social activities are strictly prohibited to participate in the bidding process. If it is established at any time that any bidder has criminal record, his bid/Contract shall be automatically cancelled.
22. Any Bidder who is an Advocate and Registered with any Bar Council shall not be allowed to participate in the bidding. If it is established that the Contractor is registered with any bar council, his bid/Contract shall be automatically cancelled.
23. Each Bidder is required to quote his rate on-line in the attached BOQ.
24. The authority can seek clarification on any issue pertaining to the bid at any stage of the bidding process and the bidder shall furnish the required clarification within 7 days in writing.

(-----)
Chief Engineer,
HPPWD, Zone
 (Designation and address of Authority inviting bids)

Section 2: Instructions to Bidders

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Section 2

Instructions to Bidders (ITB)

A. General

1. Scope of Bid

1.1 The Employer as defined in the Appendix to ITB invites bids for the construction of Works and their maintenance for five years, as described in these documents and referred to as “the Works”. The name and identification number of the works is provided in the Appendix to ITB. The bidders may submit bids for any or all of the works detailed in the table given in the Notice Inviting Tender. Bid for each work should be submitted separately.

1.2 The successful Bidder will be expected to complete the Works by the Intended Completion Date specified in the Part I General Conditions of Contract and do the routine maintenance of roads for five years from the date of completion.

1.3 Throughout these documents, the terms “bid” and “tender” and their derivatives (bidder/tenderer, bid/tender, bidding/tendering etc.) are synonymous.

2. Source of Funds

2.1 The Government of the State as defined in the Appendix to ITB has decided to undertake the works of construction and up-gradation of selected rural roads of the State through State budget and funds received under Pradhan Mantri Gram Sadak Yojana, from the Government of India, Ministry of Rural Development, and other sources to be implemented through the Employer.

2.2 The Government of the State has decided to provide funds for the routine maintenance of the roads.

3. Eligible Bidders

3.1 This Invitation for Bids is open to all eligible bidders meeting the eligibility criteria as defined in ITB. The applicant should be a private or government-owned legal entity. For package size exceeding Rs. 10 crores, the Joint Ventures are allowed.

3.2 Bidders shall not be under a declaration of ineligibility for corrupt and fraudulent practices by the Central Government, the State Government or any public undertaking, autonomous body, authority by whatever name called under the Central or the State Government.

4. Qualification of the Bidder

4.1 All bidders shall provide in Section 3, Forms of Bid and Qualification information, a preliminary description of the proposed work schedule, including drawings and charts, as necessary.

4.1.1 Bidder should have valid registration with Employees Provident Fund organization under EPF and Miscellaneous Provisions Act, 1952.

4.2 All bidders shall include the following information and documents with their bids in Section 3, Qualification Information unless otherwise stated in the Appendix to ITB:

- (a) copies of original documents defining the constitution or legal status, place of registration, and principal place of business; written power of attorney of the signatory of the Bid to commit the Bidder.
- (b) total monetary value of civil construction works performed for each of the last five years.
- (c) experience in works of a similar nature and size for each of the last five years, and details of works in progress or contractually committed with certificates from the concerned officer not below the rank of Executive Engineer or equivalent.
- (d) evidence of ownership of major items of construction equipment named in Clause 4.4 B (b) (i) of ITB or evidence of arrangement of possessing them on hire/lease/buying as defined therein.
- (e) details of the technical personnel proposed to be employed for the Contract having the qualifications defined in Clause 4.4 B(b) (ii) of ITB for the construction.
- (f) reports on the financial standing of the Bidder, such as profit and loss statements and auditor's reports for the past three years.
- (g) evidence of access to line(s) of credit and availability of other financial resources/facilities equal to 10 percent of the contract value (**Construction cost + Maintenance cost excluding GST**), *as indicated in Appendix to ITB*) certified by banker (the certificate being not more than 3 months old.)
- (h) authority to seek references from the Bidder's bankers.
- (i) information regarding any litigation or arbitration during the last five years in which the Bidder is involved, the parties concerned, the disputed amount, and the matter.
- (j) proposals for subcontracting the components of the Works for construction/ upgradation, aggregating to not more than 25 percent of the Contract Price; and

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subcontracting of part/full routine maintenance of roads after completion of construction work.

- (k) the proposed programme of construction and Quality Management Plan proposed for completion of the work as per technical specifications and within the stipulated period of completion.

4.3 Joint Ventures are allowed. Bids submitted by a Joint Venture (JV) of not more than three firms as partners shall comply with the following requirements:

- (a) There shall be a Joint Venture Agreement (Refer Annexure I to ITB) specific for these contract packages between the constituent firms, indicating clearly, amongst other things, the proposed distribution of responsibilities both financial as well as technical for execution of the work amongst them. For the purpose of this clause, the most experienced lead partner will be the one defined. A copy of the Joint Venture agreement in accordance with requirements mentioned in Annexure - I shall be submitted before any award of work could be finalized.
- (b) The bid, and in the case of the successful bidder, the Form of Agreement, etc., shall be signed and / or executed in such a manner as may be required for making it legally binding on all partners (including operative parts of the ensuing Contract in respect of Agreement of Arbitration, etc.). On award of work, the Form of Agreement and Contract Documents shall be signed by all partners of the Joint Venture to conclude Contract Agreement.
- (c) Lead partner shall be nominated as being partner-in-charge; and this authorization shall be evidenced by submitting a power of attorney signed by the legally authorized signatories of all the partners.
- (d) The partner-in-charge shall be authorized to incur liabilities and to receive instructions for and on behalf of the partners of the Joint Venture, whether jointly or severally, and entire execution of the Contract (including payment) shall be carried out exclusively through the partner-in-charge. A copy of the said authorization shall be furnished in this Bid.
- (e) 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 relevant statement to this effect shall be included in the authorization mentioned under sub clause (c) above as well as in the Form of Tender and the Form of Agreement (in case of a successful bidder).
- (f) In the event of default by any partner, in the execution of his part of Contract, the Employer shall be so notified within 30 days by the partner-in-charge, or in the case of the partner-in-charge being the defaulter, by the partner nominated as partner-in-charge of the remaining Joint Venture. The partner-in-charge shall, within 60 days of the said notice, assign the work of the defaulting partner to any other equally competent party acceptable to the Employer to ensure the

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execution of that part of the Contract, as envisaged at the time of bid. Failure to comply with the above provisions will make the Contractor liable for action by the Employer under the Conditions of Contract. If the Most Experienced i.e. Lead Partner defined as such in the Communication approving the qualification defaults, it shall be construed as default of the Contractor and Employer will take action under the Conditions of Contract.

- (g) Notwithstanding the permission to assigning the responsibilities of the defaulting partner to any other equally competent party acceptable to the Employer as mentioned in sub clause (f) above, all the partners of the Joint Venture will retain the full and undivided responsibility for the performance of their obligations under the Contract and/ or for satisfactory completion of the Works.
- (h) The bid submitted shall include all the relevant information as required under the provisions of Sub-Clause 4.4 of ITB and furnished separately for each partner.

4.4A To qualify for award of the Contract, each bidder should have in the last five years:

- (a) Achieved in any one year, a minimum financial turnover (as certified by Chartered Accountant, and at least 50% of which is from Civil Engineering construction works) equivalent to amount given below:
 - (i) 60% of amount put to bid, in case the amount put to bid is Rs. 200 lakhs and less.
 - (ii) 75% of amount put to bid, in case the amount put to bid is more than Rs. 200 lakhs.

The amount put to bid above would not include maintenance cost for 5 years and the turnover will be indexed at the rate of 8% per year.

If the bidder has executed road works under Pradhan Mantri Gram Sadak Yojana in originally stipulated completion period, the financial turnover achieved on account of execution of road works under PMGSY shall be counted as 120% for the purpose of this sub-clause.

- (b) Satisfactorily completed, as prime Contractor or sub-contractor, at least 50 kms using FDR technique

4.4 B (a) Each bidder must produce:

- (i) Copy of PAN Card issued by Income Tax Authorities.
- (ii) An affidavit that the information furnished with the bid documents is correct in all respects; and
- (iii) Such other certificates as defined in the Appendix to ITB. Failure to produce the certificates shall make the bid non-responsive.

(b) Each bidder must demonstrate:

- (i) availability for construction work, either owned, or on lease or on hire, of the key equipment stated in the Appendix to ITB including equipment required

for establishing field laboratory to perform mandatory tests, and those stated in the Appendix to ITB;

- (ii) availability for construction work of technical personnel as stated in the Appendix to ITB.

(c) The bidder must not have in his employment:

- (i) The near relations (defined as first blood relations, and their spouses, of the bidder or the bidder's spouse) of persons listed in the Appendix to ITB.
- (ii) Without Government permission, any person who retired as gazetted officer within the last two years of the rank and from the departments listed in the Appendix to ITB.

4.4 C To qualify for a package of contracts made up of this and other contracts for which bids are invited in the Notice Inviting Tender, the bidder must demonstrate having experience and resources sufficient to meet the aggregate of the qualifying criteria for the individual contracts.

As per Operation Manual

Important: - If any bidder is bidding more than one package in the Notice Inviting Tender the bidder must inform to the Tender Inviting Authority at the time or before the opening of technical bid about one of the following two options failing which the Tender Inviting Authority will act for Option 2.

Option 1: Bidders may be asked to indicate in each technical bid the order of opening of their bids, so that the financial offers corresponding to the qualifying technical bids are opened in that order of his Assessed Available Bid Capacity is exhausted. Remaining financial offers of the bidder will be kept unopened.

Option 2: Financial bids of all qualifying bidders may be opened, and bids arranged in order with that package where the difference between potential L-1 and potential L-2 is the greatest followed by the one in which it is next greatest and so on. L-1 will be awarded packages till his bid capacity is exhausted. The process will be repeated for the remaining packages based on difference between earlier potential L-2 (now potential L-1) and earlier potential L-3 (now potential L-2) values etc.

Qualification criteria will be applied to the individual contracts with combined evaluation methodology. If **L1** bidder is not qualifying due to lack of bid capacity in remaining bids, then **L2** may be considered if the variation between **L1** and **L2** is within a reasonable **5 %** and bid amount is acceptable by the authority.

4.4 D If bidder is a Joint Venture, the partners would be limited to three (including lead partner). Joint Venture firm shall be jointly and severally responsible for completion of the project. Joint Venture must fulfil the following minimum qualification requirement.

- i. Deleted.
- ii. Deleted.

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iii. The Joint Venture must also collectively satisfy the subject of the criteria of Clause 4.4 B and 4.4 C of ITB for this purpose the relevant figures for each of the partners shall be added together to arrive at the Joint Venture total capacity which shall be 100% or more.

iv. In the event that the Employer has caused to disqualify under Clause 4.7 of ITB below all of the Joint Venture partners will be disqualified.

v. Joint Venture Applicants shall provide a certified copy of the Joint Venture Agreement in demonstration of the partners undertaking joint and several liabilities for the performance of any contract entered into before award of work.

vi. The available bid capacity of the JV as required under Clause 4.6 of ITB below will be applied for each partner to the extent of his proposed participation in the execution of the work. The total bid capacity available shall be more than estimated contract value.

Note: *The joint venture partners should collectively meet the required responsiveness, technical and financial qualifications but the minimum equity of lead partner should not be less than 50% and others partner should not be less than 25%. (As in this new technology the three important components are specialized machinery, specialized & IP protected additive and experience of working with new technology of Full Depth Reclamation (FDR).*

4.5 The Sub-Contractors' experience and resources shall not be taken into account in determining the bidder's compliance with the qualifying criteria except to the extent stated in sub-clause 4.3A above.

4.6 Bidders who meet the minimum qualification criteria will be qualified only if their available bid capacity for construction work is equal to or more than the total bid value excluding maintenance. The available bid capacity will be calculated as under:

$$\text{Assessed Available Bid Capacity} = (A * N * M - B)$$

Where

A = Maximum value of civil engineering works executed in any one year during the last five years (updated to the price level of the last year at the rate of 8 percent a year) taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the works for which bids are invited (period up to 6 months to be taken as ½ and more than 6 months as 1 in a year).

M = 2

B = Value, at the current price level, of existing commitments and on-going works to be completed during the period of completion of the works for which bids are invited.

Note: The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be

countersigned by the Engineer in charge, *not below the rank of an Executive Engineer or equivalent.*

4.7 Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:

- (i) made misleading or false representations in the forms, statements, affidavits and attachments submitted in proof of the qualification requirements; and/or
- (ii) Record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc; and / or
- (iii) Participated in the previous bidding for the same work and had quoted unreasonably high or low bid prices and could not furnish rational justification for it to the Employer.

5. One Bid per Bidder

5.1 Each Bidder shall submit only one Bid for one work. A Bidder who submits more than one Bid for one work will cause the proposals with the Bidder's participation to be disqualified.

6. Cost of Bidding

6.1 The Bidder shall bear all costs associated with the preparation and submission of his Bid, and the Employer will, in no case, be responsible or liable for those costs.

7. Site Visit

7.1 The Bidder, at his own cost, responsibility and risk, is encouraged to visit, examine and familiarise himself with the Site of Works. The Bidder acknowledges that prior to the submission of the bid, the Bidder/Contractor has, after a complete and careful examination, made an independent evaluation of the Scope of the Project, Specifications and Standards of design, construction and maintenance, Site, local conditions, physical qualities of ground, subsoil and geology, suitability and availability of access routes to the Site and all information provided by the Employer or obtained, procured or gathered otherwise, and has determined to its satisfaction the accuracy or otherwise thereof and the nature and extent of difficulties, risks and hazards as are likely to arise or may be faced by it in the course of performance of its obligations hereunder. The Employer makes no representation whatsoever, express, implicit or otherwise, regarding the accuracy, adequacy, correctness, reliability and/or completeness of any assessment, assumptions, statement or information provided by it and the Bidder confirms that it shall have no claim whatsoever against the Employer in this regard.

B. Bidding Documents

8. Content of Bidding Documents

8.1 The set of bidding documents comprises the documents listed below and addenda issued in accordance with Clause 10 of ITB.

- 1 Notice Inviting Tender
2. Instructions to Bidders
3. Qualification Information
4. Conditions of Contract
(Part I General Conditions of Contract, and Contract Data; Part II Special Conditions of Contract)
5. Specifications
6. Drawings
7. Bill of Quantities
8. Form of Bid Part I and Part II
9. Form of Acceptance, Form of Agreement, Issue of Notice to Proceed with the Work,
10. Forms of Securities and Form of Unconditional Bank Guarantee.

8.2. The bid document is available online on the website <https://pmgsytendershp.gov.in>. The bid document can be downloaded free of cost; however, the Bidder is required to deposit towards the cost of Bid Document (*non-refundable*) as per sl. No. 5 of NIT in the account of PMGSY **e-tender online Account- through PMGSY e-tender portal through Internet Banking only. All concerned please note that the bidding process will not move onward if the Cost of Bid Document (Tender Fee) is not paid through e-tender portal.**

8.3 The bidder is expected to examine carefully all instructions, conditions of contract, contract data, forms, terms and specifications, bill of quantities, forms and drawings in the Bid Document. Failure to comply with the requirements of Bid Documents shall be at the bidder's own risk. Pursuant to clause **25** hereof, bids, which are not substantially responsive to the requirements of the Bid Documents, shall be rejected.

9. Clarification of Bidding Documents and Pre-bid Meeting

9.1 The electronic bidding system provides for online clarification. A prospective Bidder requiring any clarification of the bidding documents may notify online the Authority inviting the bid. The Authority inviting bid will respond to any request (s) for clarification received earlier than 10 days prior to the deadline for submission of bids. Description of clarification sought and the response of the Authority inviting the bid will be uploaded for information of the public or other bidders without identifying the source of request for clarification.

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9.2 If a pre-bid meeting is to be held, the bidder or his authorised representative is invited to attend it. Its date, time and address are given in the Appendix to ITB.

9.3 The purpose of the meeting will be to clarify issues and to answer questions on any matter that may be raised at that stage.

9.4 Minutes of the meeting, including the text of the questions raised (without identifying the source of the enquiry) and the responses given will be uploaded for information of the public or other bidders. Any modifications of the bidding documents listed in Clause 8.1 of ITB, which may become necessary as a result of the pre-bid meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 10 of ITB and not through the minutes of the pre-bid meeting.

9.5 Non-attendance at the pre-bid meeting will not be a cause for disqualification of a bidder.

10. Amendment of Bidding Documents

10.1 Before the deadline for submission of bids, the Employer may modify the bidding documents by issuing online corrigendum. The corrigendum will appear on the web page of the website <https://pmsgsy tendershp.gov.in> under the “Latest Corrigendum” and e-mail notification is also automatically sent to those bidders who have moved this tender to their “My tenders” area.

10.2 Any addendum thus issued shall be part of the bidding documents and shall be deemed to have been communicated to all the bidders who have moved this tender to their “My Tenders” area. In case any addendum/ Corrigendum, the system will automatically send e-mail to all bidders who have downloaded the bidding document.

10.3 To give prospective bidders reasonable time in which to take an addendum into account in preparing their bids, the Employer shall extend, as necessary, the deadline for submission of bids, in accordance with Clause 20.2 of ITB.

C. Preparation of Bids

11. Language of Bid

11.1 All documents relating to the Bid shall be in the language specified in the Appendix to ITB.

12. Documents Comprising the Bid

12.1 The Bid submitted by the Bidder shall be in two separate parts:

Part I This shall be named Technical Qualification Part of Bid and shall comprise of:

- I. Form of bid for **Part I** and **Part II** of the bid, as per format given in section 6 (to be submitted on-line along with technical bid).

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- II. Cost of Bid Document (Tender Fee): - To be deposited in the account of **PMGSY e-tender online Account- through Internet Banking only towards the non-refundable cost of bid document (Tender Fee)** (Clause 8.2 of ITB)., **which will be generated when payment made through PMGSY e-tender portal by Internet Banking.**
- III. Bid Security (EMD): - To be deposited in the account of **PMGSY e-tender online Account- through Internet Banking only towards the Bid security/EMD, which will be generated when payment made through PMGSY e-tender portal by Internet Banking** as per clause 16.2 of ITB.
Payment receipt will be generated if payment is made through PMGSY e-tender portal
- IV. Authorized address and contact details of the Bidder having the following information:
Address of communication:
Telephone No.(s):
Office:
Residence:
Mobile No.:
Facsimile (FAX) No.:
Electronic Mail Identification (E-mail ID):
Qualification information, supporting documents, scanned copy of original affidavit and undertaking as specified in Clause 4 of ITB.
- V. Undertaking that the bid shall remain valid for the period specified in clause 15.1of ITB.
- VI. Any other information/documents required to be completed and submitted by bidders, as specified in the Appendix to ITB, and
- VII. Scanned copy of the affidavit affirming that information he has furnished in the bid is correct to the best of knowledge and belief of the bidder.

Part II. It shall be named Technical-Financial Part of Bid and shall comprise of:

- (i) Form of Bid for Part-II of the bid as specified in Section 6; (*Part II format must be uploaded in Technical bid*).
- (ii) Priced bill of quantities for items specified in Section 7.

12.2 The documents and details mentioned in clause 12.1 Part I above shall be submitted online on website <https://pmsgsy tendershp.gov.in>. Details and process of online submission of the tender and relevant documents are given on the website mentioned above. The above are to be submitted in the manner as prescribed below:

- (a) The following details shall be entered online in the prescribed formats:
- (i) Form of bid for **Technical Qualification Part I** of the bid, as per format given in Section 6.

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- (ii) Form of bid for Technical-Financial Part II of the bid, as per format given in Section 6. The entry of percentage rate for the work shall be made by the bidder online.

(Scanned copy of the Part I and Part II of Section 6 shall be uploaded with Technical Bid)

Technical Qualification Part I bid will consist as per (b) and (c) scanned copy uploaded on - line

- (b) Scanned copies of the following documents shall be uploaded on the website <https://pmsgsyndershyp.gov.in> at the appropriate place in the PDF form.

- (i) Copy of PAN Card of the Company/Firm/Contractor issued by Income Tax Authorities (Clause 4.4B (a) (i) of ITB).

- (ii) Self-attested copy of valid registration certificate of appropriate class **registered with UP PWD/UP RED, in appropriate class (A, or B as per limit) or equivalent category in CPWD/ MES/Railways and other State Govt. and Central Govt. Departments.** *Non-registered bidders may submit bids; however, the successful bidders must get registered in appropriate class with appropriate authorities before signing the contract.* (Clause 3 of ITB), (In case of Partnership deed (if any), Valid registration certificate from the Registrar firm, written power of attorney duly signed by the Registrar firm (if any). Memorandum of Company (if any), Registration certificate as per company act, Authorized Director name to sign the documents as per clause 4.2(a) of ITB.

- (iii) Annual turnover by the Chartered Accountant for the last five financial years with the breakup of at least 50% of which is from Civil Engineering construction works in each year. (Clause 4.4A (a) and 4.2(b) of ITB). Along with complete auditor report (3CB and 3CD) at least of any 3 years of last five years as per clause 4.2(f) of ITB.

- (iv) Affidavit regarding correctness certificates exactly in the attached format {Clause 4.4 B (a) (ii) of ITB.

- (v) Any other information/documents required to be completed and submitted by bidders, as specified in the Appendix to ITB, and

- (c) Scanned copies of the Certificates showing details of similar nature of works, work in hand and machineries owned or on lease or possessed on hire and other following documents should also be uploaded after converting the same to PDF.

- (i) Similar nature of works executed certificate issued by Executive Engineer {Clause 4.4 A (b) of ITB and 4.2(c)} of ITB.

- (ii) On-going works in hand. Certificate issued by Executive Engineer (Clause 4.4 of ITB).

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- (iii) Machineries owned/brought on hire/ lease with proof of ownership, {Clause 4.4B (b) (i) and 4.2(d)} of ITB.

(d) Submission of Original Documents:

The bidders are required to submit the following document at the time of signing of the contract bond in the office of the concerning Chief Engineer , HPPWD, Zone

- (i) **Affidavit regarding correctness** of information furnished with bid as per-provisions of Clause 4.4(B) (a) (ii) of ITB with the office specified in the Bid Data Sheet (Appendix to ITB)
- (ii) **Self-attested bid id sheet generated when the bid successfully submitted by the bidder.**

These documents must match the scanned copies submitted along with the bids online. In case, of any deficiency in this respect, it will be treated as misrepresentation by such bidder. Such a bidder shall be liable to be debarred for participating in bids under PMGSY for five years.

Employer Office: - Chief Engineer / EXECUTIVE ENGINEER, Himachal Pradesh Public Works Department

12.3 The following documents, which are not to be submitted with the bid, will be deemed to be part of the bid.

Section	Particulars
1	Notice Inviting Tender
2	Instructions to Bidders
3.	Conditions of Contract
4.	Contract Data
5.	Specifications
6.	Drawings

13. Bid Prices

13.1 The Contract shall be for the whole Works, as described in Clause 1.1 of ITB, based on the priced Bill of Quantities submitted by the Bidder online.

13.2 The Bidder shall make online entries to fill the Percentage Rate or Item Rates in Bill of Quantities as specified in the Appendix to ITB; only the same option is allowed to all the Bidders. The Bidder is not required to quote his rate for Routine Maintenance. The rates to be paid for routine maintenance by the Employer are indicated in the Bill of Quantities.

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Percentage Rate Method requires the bidder to quote a percentage above / below/ at par of the schedule of rates specified in the Appendix to ITB.

Item Rate Method requires the bidder to quote rates and prices for all items of the Works described in the Bill of Quantities. The items for which no rate or price is entered by the Bidder will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities.

Upon numerical entry, the amount in words would automatically appear and upon entry of rates in items of work, or upon entering percentage rate, total bid price would automatically be calculated by the system and would be displayed.

13.3 While quoting rates, the GST component shall not be added in rates, while all other duties, taxes, royalties, and other levies payable by the contractor under the contract, or for any other cause, shall be included in the rates, prices and total bid price submitted by the bidder. However the rates of maintenance are exclusive of GST which shall be paid separately as applicable.

13.4 The rates and prices quoted by the Bidder shall be fixed for the duration of the Contract and shall not be subject to adjustment.

14. Currencies of Bid

14.1 The unit rates and the prices shall be quoted by the bidder entirely in Indian Rupees.

15. Bid Validity

15.1 Bids shall remain valid for a period of not less than ninety days after the deadline date for bid submission specified in ITB. A bid valid for a shorter period shall be rejected by the Employer as non-responsive.

15.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the bidders may extend the period of validity for a specified additional period. The request and the bidders' responses shall be made in writing or by cable. A bidder may refuse the request without forfeiting his Bid Security. A bidder agreeing to the request will not be required or permitted to modify his bid but will be required to extend the validity of his Bid Security for a period of the extension, and in compliance with Clause 16 of ITB in all respects. For the extended period, the bidder will be paid by the employer an interest on the amount of bid security at the rate equal to base rate of State Bank of India applicable on the date of expiry of the original time limit.

16. Bid Security

16.1 The Bidder shall furnish, as part of the Bid, Bid Security, in the amount specified in the Appendix to ITB.

16.2 The Bid Security shall be deposited in the Govt. Account of HP PMGSY e-tender online Account- through PMGSY e-tender portal by Internet Banking only. All concerned please note that the bidding process will not move onward if the Bid Security (EMD) is

not paid through e-tender portal by Internet Banking. Other forms of Bid Security acceptable to the Employer are stated in the Appendix to ITB.

16.3 Any bid not accompanied by an acceptable Bid Security, unless exempted in terms given in the Appendix to ITB and not secured as indicated in sub-clause 16.1 and 16.2, shall be rejected by the Employer as non-responsive.

16.4 The Earnest Money of unsuccessful Bidders will be returned when the contract has been signed by the successful Bidder or within 28 days of the end of the bid validity period as specified in clause 15.1 of ITB

16.5 The Earnest Money/Bid security of non-responsive Bidder will be returned after up loading of technical appraisal result on tender website portal <https://pmgsytendershp.gov.in>

16.6 The Bid Security of the successful Bidder will be discharged when the Bidder has signed the Agreement and furnished the required Performance Security.

16.7 The Bid Security may be forfeited:

- (a) if the Bidder withdraws the Bid after bid opening (technical qualification bid) during the period of Bid validity.
- (b) in the case of a successful Bidder, if the Bidder fails within the specified time limit to
 - (i) sign the Agreement; and/or
 - (ii) furnish the required Performance Security.

17. Alternative Proposals by Bidders

17.1 Bidders shall submit offers that comply with the requirements of the bidding documents, including the Bill of Quantities and the basic technical design as indicated in the drawings and specifications. Alternative proposals will be rejected as non-responsive.

D. Online Submission of Bids

18. Bidding through E-Tendering System:

18.1 The bidding under this contract is electronic bid submission through website <https://pmgsytendershp.gov.in>. Detailed guidelines for viewing bids and submission of online bids are given on the website. The Invitation for Bids under PMGSY is published on this website. Any citizen or prospective bidder can logon to this website and view the Invitation for Bids and can view the details of works for which bids are invited. The prospective bidder can submit bids online; however, the bidder is required to have enrolment/registration in the website and should have valid Digital Signature Certificate (DSC) in the form of smart card/e- token. The DSC can be obtained from any authorised certifying agencies. The bidder should register in the web site

<https://pmgsytendershp.gov.in> using the relevant option available. Then the Digital Signature registration has to be done with the e-token, after logging into the site. After this, the bidder can login the site through the secured login by entering the password of the e-token and the user id/ password chosen during registration.

After getting the bid schedules, the Bidder should go through them carefully and then submit the documents as asked, otherwise, the bid will be rejected.

18.2 The completed bid comprising of documents indicated in ITB clause 12, should be uploaded on the website given above through e-tendering along with scanned copies of requisite certificates as are mentioned in different sections in the bidding document and scanned copies of the Bid Document.

18.3 The bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to the Bid, and to contract execution if the bidder is awarded the contract.

19. Electronic Submission of Bids:

19.1 The bidder shall submit online two separate files. Part I, marked as Part I: Technical Qualification Part and Part II; marked as Part II: Technical- Financial Part. The above files will have markings as given in the Bid Data Sheet.

The contents of the Technical Qualification and Technical Financial bid shall be as specified in clause 12 of the ITB. All the documents are required to be signed digitally by the bidder. After electronic online bid submission, the system generates a unique bid identification number which is time stamped. This shall be treated as acknowledgement of bid submission.

20. Deadline for Submission of Bids

20.1 Complete Bids in two parts as per clause 19 above must be submitted by the Bidder online not later than the date and time indicated in the Appendix to ITB.

20.2 The Employer may extend the deadline for submission of bids by issuing an amendment in accordance with Clause 10.3 of ITB. In such case all rights and obligations of the Employer and the bidders previously subject to the original deadline will then be subject to the new deadline.

21. Modification/ Withdrawal/Late Bids

21.1 The electronic bidding system would not allow any late submission of bids after due date and time as per server time.

21.2 Bidders may modify their bids by uploading their request for modification before the deadline for submission of bids. For this, the bidder need not make any additional payment towards the cost of tender document. For bid modification and consequential re-submission,

the bidder is not required to withdraw his bid submitted earlier. The last modified bid submitted by the bidder within the bid submission time shall be considered as the bid. For this purpose, modification/withdrawal by other means will not be accepted. In online system of bid submission, the modification and consequential re-submission of bids is allowed any number of times. The bidders may withdraw his bid by uploading their request before the deadline for submission of bids; however, if the bid is withdrawn, the re-submission of the bid is not allowed.

21.3 No bid shall be modified or withdrawn after the deadline of submission of bids.

21.4 Withdrawal or modification of a bid between the deadline for submission of bids and the expiration of the original period of bid validity specified in clause 15.1 above or as extended pursuant to Clause 15.2 may result in the forfeiture of the Bid Security pursuant to Clause 16.

E. Bid Opening and Evaluation

22. Bid Opening

22.1 The Employer inviting the bids, or its authorised representative will open the bids online and this could be viewed by the bidders also online. In the event of the specified date for the Opening of bids being declared a holiday for the Employer, the Bids will be opened at the appointed time and location on the next working day.

22.2 The file containing the Part-I of the bid will be opened first.

22.3 In all cases, the amount of Bid Security, cost of bid documents, and the validity of the bid shall be scrutinized. Thereafter, the bidders' names and such other details as the Employer may consider appropriate, will be notified as Part-I bid opening summary by the Authority inviting bids at the online opening. A separate electronic summary of the opening is generated and kept on-line.

22.4 The Employer will also prepare minutes of the Bid opening, including the information disclosed in accordance with Clause 22.3 of ITB and upload the same for viewing online.

22.5 Evaluation of Part-I of bids with respect to Bid Security, qualification information and other information furnished in Part I of the bid in pursuant to Clause 12.1 of ITB, shall be taken up and completed within **five** working days of the date of bid opening, and a list will be drawn up of the qualified bidders whose Part- II of bids are eligible for opening.

22.6 The result of evaluation of Part-I of the Bids shall be made public on e-procurement systems following which there will be a period of **five** working days during which any bidder may submit complaint which shall be considered for resolution before opening Part-II of the bid.

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22.7 The Employer shall inform the bidders, who have qualified during evaluation of Part I of bids, of the date, time of online opening of Part II of the bid, if the specified date of opening of financial bid is changed. In the event of the specified date being declared a holiday for the Employer, the bids will be opened at the appointed time and location on the next working day.

22.8 Part II of bids of only those bidders will be opened online, who have qualified in Part I of the bid. The bidders' names, the Bid prices, the total amount of each bid, and such other details as the Employer may consider appropriate will be notified online by the Employer at the time of bid opening.

22.9 The Employer shall prepare the minutes of the online opening of Part-II of the Bids and upload the same for viewing online.

23. Process to be Confidential

23.1 Information relating to the examination, clarification, evaluation, and comparison of bids and recommendations for the award of a contract shall not be disclosed to bidders or any other persons not officially concerned with such process until the award to the successful Bidder has been announced. Any attempt by a Bidder to influence the Employer's processing of bids or award decisions may result in the rejection of his Bid

24. Clarification of Bids and Contacting the Employer

24.1 No Bidder shall contact the Employer on any matter relating to its bid from the time of the bid opening to the time the contract is awarded. If the bidder wishes to bring additional information to the notice of the Employer, it should do so in writing.

24.2 Any attempt by the bidder to influence the Employer's bid evaluation, bid comparison or contract award decision may result in the rejection of his bid.

25. Examination of Bids and Determination of Responsiveness

25.1 During the detailed evaluation of "Part-I of Bids", the Employer will determine whether each Bid

- (a) meets the eligibility criteria defined in Clauses 3 and 4.
- (b) has been properly signed.
- (c) is accompanied by the required securities; and
- (d) is substantially responsive to the requirements of the bidding documents.

During the detailed evaluation of the "Part-II of Bids", the responsiveness of the bids will be further determined with respect to the remaining bid conditions, i.e., priced bill of quantities, technical specifications and drawings.

25.2 A substantially responsive “Financial Bid” is one which conforms to all the terms, conditions, and specifications of the bidding documents, without material deviation or reservation.

A material deviation or reservation is one

- (a) Which affects in any substantial way the scope, quality, or performance of the Works;
- (b) Which limits in any substantial way, inconsistent with the bidding documents, the Employer’s rights or the Bidder’s obligations under the Contract; or
- (c) Whose rectification would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

25.3 If a Bid is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

26. Evaluation and Comparison of Bids

26.1 The Employer will evaluate and compare only the bids determined to be substantially responsive in accordance with Clause 25 of ITB.

26.2 In evaluating the bids, the Employer will determine for each Bid, the evaluated Bid price by adjusting the bid price through making an appropriate adjustment for any other acceptable variation, deviations or price modifications offered in accordance with sub-clause 21 of ITB.

26.3 If the Bid of the successful Bidder is seriously unbalanced in relation to the Engineer’s estimate of the cost of work to be performed under the contract, the Employer may require the Bidder to produce detailed price analysis for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices. After evaluation of the price analysis, the Employer may require that the amount of the Performance Security set forth in Clause 30 of ITB be increased at the expense of the successful Bidder to a level sufficient to protect the Employer against financial loss in the event of default of the successful Bidder under the Contract. The amount of the increased Performance Security shall be decided at the sole discretion of the Employer, which shall be final, binding and conclusive on the bidder.

The Amount of additional security for unbalanced bids will be decided and to be delivered to the Employer as per latest circular issued by the department

F. Award of Contract

27. Award Criteria

27.1 Subject to Clause 30 of ITB, the Employer will award the Contract to the Bidder whose Bid has been determined:

- (i) To be substantially responsive to the bidding documents and who has offered the lowest evaluated Bid price, provided that such Bidder has been determined to be

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- (a) Eligible in accordance with the provisions of Clause 3 of ITB, and
- (b) Qualified in accordance with the provisions of Clause 4 of ITB; and
- (ii) To be within the available bid capacity adjusted to account for his bid price which is evaluated the lowest in any of the packages opened earlier than the one under consideration.

28. Employer's Right to accept any Bid and to reject any or all Bids

28.1 Notwithstanding Clause 27 above, the Employer reserves the right to accept or reject any Bid, and to cancel the bidding process and reject all bids, at any time prior to the award of Contract, without thereby incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Employer's action.

29. Notification of Award and Signing of Agreement

29.1 The bidder whose Bid has been accepted will be notified of the award by the Employer prior to expiration of the Bid validity period by cable, telex or facsimile confirmed by registered letter. This letter (hereinafter and in the Part I *General Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will pay to the Contractor in consideration of the execution, completion and the routine maintenance of the works for five years, by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

29.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of a Performance Security in accordance with the provisions of Clause 30.

29.3. The Agreement will incorporate all agreements between the Employer and the successful Bidder. It will be signed by the Employer and the successful Bidder after the Performance Security is furnished.

29.4 Upon the furnishing by the successful Bidder of the Performance Security, the Employer will promptly notify the other Bidders that their Bids have been unsuccessful.

30. Performance Security

30.1 The successful bidder/Contractor shall provide to the Employer, a total Performance Security of 5% (five percent) of the Contract Price, for a period of 5 years and the time of completion of construction work plus additional security for unbalanced bids in accordance with clause 26.3 of ITB and Clause 46 Part-I General Conditions of Contract.

Within **10** days after receipt of Letter of Acceptance but before signing the contract, a Performance Security of two and a half percent of Contract Price plus additional security for unbalanced bids in accordance with clause 26.3 of ITB and Clause 46 Part 1 General Conditions of Contract shall be delivered by the successful bidder to the Employer.

The Employer shall retain remaining two and a half percent Performance Security from each payment due to the Contractor until completion of the whole of the construction works (except advance payment as per Clause 45 of General Conditions of Contract).

30.2 Performance Security of two and a half percent to be delivered by the successful bidder after the receipt of Letter of Acceptance shall be either in the form of a Bank Guarantee or Fixed Deposit Receipts in the name of Employer, from a scheduled commercial bank.

If the Performance Security is in the form of a Bank Guarantee, the period of validity of Bank Guarantee of two and a half percent of Contract Price could be one year initially, however, the Contractor shall get this Bank Guarantee extended in such a way that an amount equal to the requisite Performance Security is always available with the Employer until 45 days after the lapse of Defects Liability Period. If the Contractor fails to maintain above Performance Security, the Employer would recover the same from any dues payable to the Contractor.

30.3 Failure of successful bidder to comply with the requirement of delivery of Performance Security of two and a half percent of Contract Price plus additional security for unbalanced bids as per provisions of Clause 30.1 shall constitute sufficient ground for cancellation of award and forfeiture of the Bid Security. Such successful bidder who fails to comply with the above requirements is liable to be debarred from participating in bids under PMGSY for a period of one year.

31. Advances

The Employer will provide Mobilization Advance and Advance against the security of equipment as provided in Part I General Conditions of Contract.

32. Corrupt or Fraudulent Practices

32.1 The Employer requires the Bidders/Contractors to strictly observe the laws against fraud and corruption in force in India, namely, Prevention of Corruption Act, 1988.

32.2 It is required that each Bidder/Contractor (including their respective officers, employees and sub-contractors) adhere to the highest ethical standards, and report to the Government / Department all suspected acts of fraud or corruption or coercion or collusion of which it has knowledge or becomes aware, during the tendering process and throughout the negotiation or award of a contract.

32.3 The Bidder(s)/Contractor(s) commit himself to take all measures necessary to prevent corruption. He commits himself to observe the following principles during his participation in the Tender process and during the Contract execution:

- (a) The Bidder(s)/Contractor(s) will not, directly or through any other person or firm, offer, promise, or give to any employee of the Employer involved in the Tender process or execution of the Contract or to any third person any material

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or other benefit which he/she is not legally entitled to, in order to obtain in exchange any advantage of any kind whatsoever during the Tender process or during the execution of the Contract.

- (b) The Bidder(s)/Contractor(s) will not enter with other Bidder(s) into any undisclosed agreement or understanding, whether formal or informal. This applies in particular to prices, specifications, certifications, subsidiary contracts, submission or non-submission of bids or any other actions to restrict competitiveness or to cartelize in the bidding process.
- (c) The Bidder(s)/Contractor(s) will not commit any offence under the relevant IPC/PC Act. Further the Bidder(s)/Contractor(s) will not use improperly, (for the purpose of competition or personal gain), or pass on to others, any information or documents provided by the Employer as part of the business relationship, regarding plans, technical proposals, and business details, including information contained or transmitted electronically.
- (d) The Bidder(s)/Contractor(s) will, when presenting his bid, disclose any and all payments he has made, is committed to or intends to make to agents, brokers or any other intermediaries in connection with the award of the Contract.

32.4 The Bidder(s)/Contractor(s) will not instigate third persons to commit offences outlined above or be an accessory to such offences.

32.5 The Bidder(s)/Contractor(s) will not, directly or through any other person or firm indulge in Fraudulent Practice, which means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government interests. And this includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid process at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition.

32.6 The Bidder(s)/Contractor(s) will not, directly or through any other person or firm use Coercive Practices (means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process).

32.7 Without prejudice to any rights that may be available to the Employer under law or the Contract or its established policies and laid down procedures, the Employer shall have the following rights in case of breach under Clauses 32.1 to 32.6 above by the Bidder(s)/Contractor(s) and the Bidder/ Contractor accepts and undertakes to respect and uphold the Employer absolute right:

- (a) If the Bidder(s)/Contractor(s), either before award or during execution of Contract has committed a transgression through a violation of Clauses 32.1 to 32.6 above or

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in any other form, such as to put his reliability or credibility in question, the Employer after giving proper opportunity to the Bidder(s)/Contractor(s) shall have powers to disqualify the Bidder(s)/Contractor(s) from the Tender process or terminate the Contract, if already executed or exclude the Bidder/Contractor from future contract award processes.

- (b) Forfeiture of Bid Security/Performance Security: If the Employer has disqualified the Bidder(s) from the Tender process prior to the award of the Contract or terminated the Contract or has accrued the right to terminate the Contract, the Employer apart from exercising any legal rights that may have accrued to the Employer, may in its considered opinion forfeit the entire amount of Bid Security and Performance Security of the Bidder/Contractor as the case may be.

32.8 Please be noted that in case of any documents attached with your bids is found forged or incorrect in any manner, whatsoever, then a legal action like FIR, Black Listing shall be done against the bidder.

Provisions required to be Included in the Joint Venture Agreement

If the application is made by a joint venture of two or more firms, the evidence of clear mandate (i.e. in the form of respective Board Resolution duly authenticated by competent authority*) by such two or more firms willing to form Joint Venture among themselves for the specified projects should accompany duly recognizing their respective authorized signatories signing for and on behalf of the respective Firms for the purpose of forming the Joint Venture. A certified copy of the power of attorney to the authorized representatives, signed by legally authorized signatories of all the firms of the joint venture shall accompany the application. The JV Agreement shall be signed by the authorized representative of the joint venture. The JV Agreement shall need to be submitted consisting but not limited to the following provisions:

- a. Name, style and Project(s) specific JV with Head Office address
- b. Extent (or Equity) of participation of each party in the JV
- c. Commitment of each party to furnish the Bond money (i.e. Bid Security, performance Security and security for Mobilization advance) to the extent of his participation in the JV
- d. Responsibility of each Partner of JV (in terms of Physical and Financial involvement)
- e. Working Capital arrangement of JV
- f. Operation of separate Bank account in the name of JV to be operated by at least one foreign partner and one local partner. In case of JV among local partners, both the partners are required to operate.
- g. Provision for cure in case of non-performance of responsibility by any party of the JV.
- h. Provision that NEITHER party of the JV shall be allowed to sign, pledge, sell or otherwise dispose all or part of its respective interests in JV to any party including existing partner(s) of the JV The Employer derives right for any consequent action (including blacklisting) against any or all JV partners in case of any breach in this regard.
- i. Management Structure of JV with details
- j. Lead Partner to be identified who shall be empowered by the JV to incur liabilities on behalf of JV
- k. Parties/firms committing themselves to the Employer for jointly and severally responsible for the intended works
- l. The Power of Attorney shall be duly notarized.
- m. Any other relevant details

Appendix to ITB

The Employer should fill out this Appendix to ITB before issuing the bidding documents. The insertions should correspond to the information provided in the Invitation for Bids.

Instructions to Bidders
Clause Reference

(1.1) The Employer is: -

Governor of Himachal Pradesh through the Chief Engineer
HPPWD Zone on whose representative is

[Insert designation of the Employer.]

(1.1) The Works is Construction and Maintenance of Roads using New
Technology “Full Depth Reclamation / In-situ Stabilization with
Cement and Additive” in Group No. comprising of
1-.....
2-.....
3-

(1.1) Identification No. of the Works is: **HP -...**

(2.1) The State is Himachal Pradesh

(3.1) Eligible Bidders are :- as defined in clause 3 of ITB

(4.4 A) (a) The required Turn Over is Lacs

(4.4 A) (b) Rs. Lakh (*insert the amount one third) of the estimated cost
of the work*)

(4.4 B) (a)(iii) The minimum amount of evidence of access to line(s) of credit
and availability of other financial resources/ facilities (as
indicated below) certified by banker (the certificate being not
more than 3 months old.)

Rs. Lakh

Copy of valid **GST** registration certificate of Contractor/ Firm/
Company in GST Department.

Copy of **Labour Registration** certificate of Contractor/ Firm/
Company in Labour Department.

(4.4. B) (b)(i) The key equipments for road works and field-testing laboratory.

For Road Works

Sl. No	Name of Equipment/Machinery	Quantity
-----------	-----------------------------	----------

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1	Recycler (Rotor width 2.0 m(Minimum Engine Power 315 KW) to 2.54 m (Minimum Engine Power 510 KW)with a variable working depth up to 50 cm.	1 No.
2	Truck mounted PLC controlled Cement Binder Spreader	1 No.
3	Truck mounted Water Tanker	2 No.
4	Additive Truck Spreader	1 No.
5	Pad foot roller 20 Ton	1 No.
6	Tandem Vibratory Roller 10 to 13 Ton	1 No.
7	Pneumatic tyre roller 10 to 14 Ton capacity with Ballast weight atleast 18 T	1 No.
8	Single Drum soil compactor 10 to 13 Ton	1 No.
9	Motor Grader Blade width 3.35/3.7/4.3 m	1 No.
10	Fully electronic and computerized Hot Mix Plant (40 to 60 TPH capacity)/Mini Hot Mix Plant	1 No.
11	Paver Finisher (100 TPH)	1 No.
12	Tar Boiler (400 Ltr.)	1 No.
13	Pressure Distributor (1750 Sqm/Hr)	1 No.
14	Tippers (5.50 cum / 10 MT capacity)	4 Nos.
15	Smooth Wheeled Road Rollers. (80-100 KN)	4 Nos.
16	Tractor with Trolley	2 Nos.
17	Vehicle mounted mechanical sprayer	1 No.
18	Excavator (1.00 cum bucket capacity)/ JCB/End Loader (1.00 cum bucket capacity)	1 No.
19	Air Compressor (210 Cfm)	1 No.
20	Concrete Mixers (0.40 cum)	1 No.
21	Concrete Joint cutting Machine for CC Pavement	1 No
22	Surface Vibrator	1 No
23	Pin Vibrator	1 No
24	Mechanical Broom	1 No.

For field testing Laboratory

S. No	Name of Equipment/Machinery	Quantity in Nos
1	Riffle Box	1
2	Sieve Set	2
3	Sieve Shaker,450mm	1
4	Atterberg Limits (liquid and Plastic Limit)	1

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	Apparatus	
5	Specific Gravity Apparatus	1
6	Auto Compaction Test (Light Compaction)	1
7	Speedy Moisture Meter (With Chemical)	1
8	Compression Machine 200KN	1
9	CBR Testing Machine with Proving Ring	1
10	CBR Mold,	1
	Tripod Stand	2
	Dial Gauge	2
	Perforated Brass Plate	2
	Penetration Piston, Bracket for Penetration dial gauge, cutting collar, Displace block	2
	Surcharge Weight, rammer	1
11	Moisture Tins	1
12	Spatula	2
13	Aggregate Impact value Machine with Accessory as per, IS:2386-IV	1
14	Flakiness gauge as per IS-2386-I	1
15	Los Angeles (Abrasion Value) Apparatus as per IS:2386-IV	1
16	3m Straight Edge with Wedges	1
17	Water Bath (Thermostatically Controlled up to 60°C)	1
18	Penetration Machine with Accessory	1
19	softening point Apparatus with Accessory	1
20	Extraction Machine with 6 Mold, Rammer, Base, etc.	1
21	Viscosity (Say bolt Fulrol) with Accessories	1
22	Ductility Machine with Accessories	1
23	Sand Replacement Cylinder with Accessories	1
24	Core Cutter with Collar and Hand Rammer	2
25	Power Core Cutter with Power Hammer	1
	(B) Other Accessories, Reagents and Glassware	
1	Auger, Pick Axe, Spade, Crow Bar, etc. (Digging Tools) set	2
2	Glass Ware, Filter Paper, Beaker, Cylinder, etc. set	6
3	Trichloroethylene Lit.	10
4	Oven Thermostatically Controlled (up to 200C, Sensitivity 1C	1
5	Electronic Balance 5kg cap. Accuracy 0.5gm.	1
6	Electronic Balance 500gm cap. Accuracy 0.1gm.	1
7	Electronic Balance 200gm cap. Accuracy 0.1gm.	1
8	Thermometer (0°C to 5°C, 110°C, 250°C,	6

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	300°C)	
9	Proving ring 50 KN	2
10	Proving ring 100 KN	1
11	First Aid Box	1
12	Tray Enameled (Big, Medium, small, Rectangular and Circular)	6
13	GI Tank 0.75x0.75mx0.3m	1
14	Hot Plate	1
15	Stopwatch	2
16	Sieve Set of GI frame dia. 450 mm of sizes in mm 125, 90, 75, 63, 53, 45, 37.5, 26.5, 22.4, 19, 13.2, 11.2, 9.5, 6.7, 5.6, and 4.75 with lid and pan	one no each
17	Sieve Set of Brass frame dia. 200 mm of sizes in mm 4.75, 2.36, 2.17, 1.4, 1.18, 1.0 and size in micron 850, 710, 600, 425, 300, 250, 180, 150, 90, 75 with lid and pan	two no each

Note: The bidder must produce the following documentary evidence in support of his availability of the above equipment:

(a) Evidence of ownership of major items of construction equipment like purchase document etc.

(b) If equipment not owned but proposed to be hired, then Evidence of arrangement of possessing them, the bidder will have to submit the agreement with the company, which have ownership of the machinery with the bid. Affidavit for hire or lease from the leaser and lease will not be entertained in any case.

(c) If equipment not owned but proposed to be purchased then Evidence of arrangement of possessing them on buying have to be submitted with the bid.

(4.4 B) (b)(ii)

The Number of Technical personnel, Qualifications and Experience will be as follows:

A. The Technical Personnel are:

[Cl. 9.2 of General Conditions of Contract]

S. No.	Technical Position	Personnel Qualification	Number	Experience in Road Works
1	Site In charge	Degree Holder in Civil Engineering	4	2 Years
2	Assistant Site In charge	Diploma Holder in Civil Engineering	6	2 Years
3	Site Supervisor	Supervisors	6	2 Year

B. For field testing laboratory.

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S. No.	Technical Position	Personnel Qualification	Number	Experience in Road Works
1	Lab In charge	Degree Holder/Diploma Holder in Civil Engineering/B.Sc.in PCM	2	2 Years
2	Lab Technician	ITI Qualified	2	2 Years

C. For Routine Maintenance.

S. No.	Technical Position	Personnel Qualification	Number	Experience in Road Works
1	Site In charge	Degree Holder in Civil Engineering	1	2 Years
2	Assistant Site In charge	Diploma Holder in Civil Engineering	1	2 Years

Bidder have to upload the scanned copy of payment certificate of his employee either acquaintance rolls, Muster Rolls or any other valid Payment Certificate not later than three-month-old. No need to produce to Cheque.

(4.4 B) (c) (i)

The bidder must produce an affidavit stating that the near relations defined as first blood relations, and their spouses, of the bidder the following departmental officers are not in his employment or Posted as :-

Divisional Accountant, Junior Engineer, Assistant Engineer, Executive Engineer, Superintending Engineer, Chief Engineer, or Engineer in Chief of HPPWD.

(4.4 B) (c) (ii)

The bidder must produce an affidavit stating the names of retired gazetted officer (if any) in his employment who retired within the last two years with the following ranks from the departments listed below:

Junior Engineer, Assistant Engineer, Executive Engineer Superintending Engineer, Chief Engineer, Department – HPPWD ,

In case there is no such person in his employment, his affidavit should clearly state this fact.

(4.6)

M = 2

(7.1)

The contact person is:

Designation: **Engineer, HPPWD**

Telephone No.:

(8.2) Cost of Bid Document (Tender Fee): - To be deposited in the account of PMGSY e-tender online Account- through Internet Banking only towards the non-refundable cost of bid document (Tender Fee) (Clause 8.2 of ITB). All concerned please note that the bidding process will not move onward if the Bid Security (EMD) is not paid through PMGSY e-tender portal by Internet Banking. Payment Slip will be generated when payment made through PMGSY e-tender portal by Internet Banking.

(9.2) Place, Time and Date for pre-bid meeting is:
Place: OFFICE OF THE
.....
.....

Telephone No.(s): Office:
Mobile No.:
Facsimile (FAX) No.: Office:
Electronic Mail Identification (E-mail ID):
.....

On dated: -
Time: -
Mode of participation: Physically or Online through the given Link.
Pre-Bid Meeting of FDR under the Chairmanship of
Hosted by UPRRDA

(11.1) Language of the bid is: English

(12.1) Part I (v) Qualification information, supporting documents, scanned copy of original affidavit and undertaking as specified in Clause 4 of ITB.

- 12.1 Part I(VI),
12.2(b)(vii),
12.2(c) (xxiii)
- (i) Self-attested Copy of valid **GST** registration certificate of Contractor / Firm/ Company in GST Department. (In case of JV, it shall be submitted by all members of JV)
 - (ii) Self-attested Copy of **Labour Registration** certificate of Contractor/ Firm/ Company in Labour Department.

12.2(d) The Office where the Original Documents are to be submitted

(13.2) **Engineer, HPPWD,** Zone/CIRCLE
Bids may be submitted only in one of the following:
Percentage Rate Method

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- (13.2) Schedule of Rate applicable for Percentage Rate Method is:
Rates as Entered in BoQ
- (15.1) Bid validity date: **90 Days from the deadline date for bid submission**
- (16.1) The amount of Bid Security shall be Rs. Lakh (..... only)
- (16.2) **Bid Security:** Bidder has to Pay the EMD/Bid Security in the Govt. Account of HP PMGSY e-tender online Account- through PMGSY e-tender portal by Internet Banking only. All concerned please note that the bidding process will not move onward if the Bid Security (EMD) is not paid through PMGSY e-tender portal by Internet Banking. Payment Slip will be generated when payment made through PMGSY e-tender portal by Internet Banking.
- (16.2) Other acceptable forms of Bid Security are NONE
- (16.3) Exemption from Bid Security is granted to: NONE
- (19.1) The files will have markings as given below:
Technical Qualification Part of Bid:
To be opened on
Date :
Time:
Technical-Financial Part of Bid:
To be opened on
Date & Time : To be intimated later
- (20.1) **The Employer's address for the purpose of Bid submission is Bid will be submitted on-line to website: -**
<https://pmgsvtendershp.gov.in>
..... Engineer, HPPWD, Zone/
Circle
[Insert the receiving address provided in the Invitation for Bids.]
- (20.1) The deadline for submission of bids shall be on on-line
<https://pmgsvtendershp.gov.in>
Time
Date :
- (22.1) & (22.6) The date and time for opening of the Bids are:
(A) Technical Qualification Part –I of Bid
Time:
Date :
Place: - Engineer, HPPWD Zone/Circle .
(B) Technical Financial Part-II of Bid (For qualified bidder as)

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Time & Date: - To be intimated later

**Place: - Engineer, HPPWD , Zone /Circle
.....**

(i) Performance Security shall be valid until a date 45 days after the expiry of Defects Liability Period of 5 years after intended completion date.

(ii) Additional Performance Security for unbalanced Bid shall be valid for 45 days plus intended completion period.

Signature of Employer/ Authorised Signatory

**..... Engineer,
HPPWD, Zone/Circle**

Date :

Section 3 Qualification Information

Notes on Form of Qualification Information

The information to be filled in by bidders in the following pages will be used for purposes of post-qualification as provided for in Clause 4 of the Instructions to Bidders. This information will not be incorporated in the Contract. Filling of this section is **Mandatory**. Attach additional pages as necessary. Get it typed on Separate Sheet and submit.

1. Individual Bidders

1.1	Constitution or legal status of Bidder Place of registration: Principal place of business: Power of attorney of signatory of Bid	<p style="text-align: center;"><i>[attach copy]</i></p> <hr style="width: 80%; margin: 5px auto;"/> <hr style="width: 80%; margin: 5px auto;"/> <hr style="width: 80%; margin: 5px auto;"/> <p style="text-align: center;"><i>[attach]</i></p>
1.2	Total annual volume of civil engineering construction work executed and payments received in the last five years preceding the year in which bids are invited. (Attach certificate from Chartered Accountant)	<p>(Rs. In lakhs)</p> Year ____ Year ____ Year ____ Year ____ Year ____

1.3 1	Work performed as prime Contractor (in the same name and style) on construction works of a similar nature and volume over the last five years. Attach certificate from the Engineer-in-charge							
Project Name	Name of Employer	Description of work	Value of contract	Contract No.	Date of Issue of Work Order	Stipulated Date of Completion	Actual Date of Completion	Remarks explaining reasons for Delay, if any

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1.3.2	Work performed as Sub-Contractor (in the same name and style) on construction works of a similar nature and volume over the last five years. Attach certificate from the Engineer-in-charge
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Project Name	Name of Employer	Description of work	Value of contract	Contract No.	Date of Issue of Work Order	Stipulated Date of Completion	Actual Date of Completion	Remarks explaining reasons for Delay, if any

1.3.3 Information on Bid Capacity (works for which bids have been submitted and works which are yet to be completed) as on the date of this bid.

Existing commitments and on-going construction work:

Description of Work	Place & State	Contract No. & Date	Name & Address of Employer	Value of Contract (Rs. In lakhs)	Stipulated period of completion	Value of works remaining to be completed (Rs. Lakhs) *	Anticipated Date of completion
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)

* Enclose certificate(s) from Engineer(s)-in-charge for value of work remaining to be completed.

Bids already submitted but agreement not signed

Description of Work	Place & State	Name & Address of Employer	Value of Contract (Rs. In lakhs)	Letter of Acceptance issued (Yes or No)	Date of issue of Letter of Acceptance
(1)	(2)	(3)	(4)	(5)	(6)

Bids already submitted but not finalized

Description of Work	Place & State	Name & Address of Employer	Value of Contract (Rs. In lakhs)
(1)	(2)	(3)	(4)

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1.4 Availability of Major items of Contractor's Equipment proposed for carrying out the Works. List all information requested below. Refer also to Clause 4.2(d) and Clause 4.4B (b) of the Instructions to Bidders.

Item of Equipment	Description, make, and age (Years), and capacity	Condition (new, good, poor) and number available	Owned, leased (from whom?), or to be purchased

1.5 Qualifications of technical personnel proposed for the Contract. Refer also to Clause 4.2(e) of the Instructions to Bidders and Clause 9.2 of Part-I General Conditions of Contract.

Position	Name	Qualification	Years of experience		
			Road Works	Building Works	Other

1.6 Proposed sub-contractors and firms involved for construction. Refer to Clause 7 of Part I General Conditions of Contract.

Sections of the Works	Value of subcontract	Sub-contractor (name and address)	Experience in similar work

Note: The capability of the sub-Contractor will also be assessed (on the same lines as for the main Contractor) before according to approval to him.

1.7 Financial reports for the last five years: balance sheets, profit and loss statements, auditors' reports, etc. List below and attach copies.

1.8 Name, address, and telephone, telex, and facsimile numbers of banks that may provide references if contacted by the Employer.

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1.9 Information on current litigation in which the Bidder is involved.

Name of Other party(s)	Cause of dispute	Litigation where (Court/arbitration)	Amount involved (Rs. In Lakh)

1.10 Proposed Programme. Descriptions, drawings, and charts as necessary, to comply with the requirements of the bidding documents.

**SAMPLE FORMAT FOR EVIDENCE OF
ACCESS TO OR AVAILABILITY OF CREDIT FACILITIES**

BANK CERTIFICATE*

This is to certify that M/S ----- is a reputed company with a good financial standing.

If the contract for the work, namely, **Package(s) No:** is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs. lakh to meet their working capital requirements for executing the above contract. Subject to terms and condition of Bank.

Signature of Senior Bank Manager _____

Name of the Senior Bank Manager _____

Address of the Bank -----

Note: The above letter should be on the letter head of the concerned Bank branch with full address including telephone no., fax no. and email of the bank branch. The certificate should not be more than three month old.

Seek reference Certificate

To,

..... **Engineer,**
HPPWD Zone/ Circle
Himachal Pradesh.

Sub: Seek Reference Certificate for A/c No.

Sir,

We, hereby wish to inform you that M/s who is bidding for **Package No:**under Group No.Under PMGSY of the Circle/division has authorized us to provide you the concerned information about his account no. Which the said bidding firm has in our branch/bank relating to the above tenders.

The Engineer **HPPWD, Circle** or his authorized representative is permitted to seek reference from us about the said account as and when required either in person or by post, fax or email.

Dated:

Yours faithfully,

(Sd.)

Branch Manager

Name of the branch with Branch Code and the name of
the Bank.

Note: The above letter should be on the letter head of the concerned Bank branch with full address including telephone no., fax no. and email of the bank branch. The certificate should not be more than three-month-old.

FORMAT FOR THE AFFIDAVIT OF CORRECTNESS

(NOTE: This affidavit should be on a non-judicial stamp paper of Rs.10/- and shall be attested by Magistrate/ Sub-Judge/ Notary Public)

I, (Name of the authorised representative of the bidder) son/daughter of resident of (Full address), aforesaid solemnly affirm and state as under:

1. I hereby certify that all the information furnished with the bid submitted online in response to notice inviting bid/tender number: /RED/SE-RED/PMGSY Tender/ File No. -----/Dated: 07.01.2022 issued by **Engineer, HPPWD..... and e-procurement notice No issued by**(authority inviting bids) for the Construction and Up Gradation of roads under
1-..... (Length-... Km) District,
2- -..... (Length-... Km) District,
3- -..... (Length-... Km) District, under Group No.(name and identification of work) are true and correct.
2. * I hereby certify that I have been authorised by (The bidder) to sign on their behalf, the bid mentioned in paragraph 1 above.

Deponent

Place:

Date:

*** Note: -**

1. S. No 2 above will not be applicable if the Bidder is an individual and is signing the bid on his own behalf.
2. Name and seal of the attestation officer (Magistrate/ Sub-Judge/ Notary Public) must be readable.
3. S.No. of register as well as registration number of Notary must be mentioned in all affidavit

Section 4 Conditions of Contract

Part – I General Conditions of Contract

The Conditions of Contract, read in conjunction with Part II Special Conditions of Contract and the Contract Data and other documents listed therein, should be a complete document expressing fairly the rights and obligations of both parties. The conditions of contract provide for both construction and routine maintenance.

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Section 4

Part I General Conditions of Contract

A. General

1. Definitions

1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Capital initials are used to identify defined terms.

Bill of Quantities means the priced and completed Bill of Quantities forming part of the Bid.

Compensation Events are those defined in Clause 40 hereunder.

The Completion Date is the date of completion of the Works as certified by the Engineer, in accordance with Clause 48.1.

The Contract is the Contract between the Employer and the Contractor to execute, complete, and maintain the Works. It consists of the documents listed in Clause 2.3.

The Contract Data defines the documents and other information which comprise the Contract.

The Contractor is a person or corporate body whose Bid to carry out the Works, including routine maintenance, has been accepted by the Employer.

The Contractor's Bid is the completed bidding document submitted by the Contractor to the Employer.

The Contract Price is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.

Days are calendar days; months are calendar months.

A **Defect** is any part of the Works not completed in accordance with the Contract.

The Defects Liability Certificate is the certificate issued by the Engineer, after the Defects Liability Period has ended and upon correction of Defects by the Contractor.

The Defects Liability Period is five years calculated from the Completion Date.

Drawings include calculations and other information provided or approved by the Engineer for the execution of the Contract.

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The Employer is the party as defined in the Contract Data, who employs the Contractor to carry out the Works, including routine maintenance. The Employer may delegate any or all functions to a person or body nominated by him for specified functions.

The Engineer is the person named in the Contract Data (or any other competent person appointed by the Employer and notified to the Contractor, to act in replacement of the Engineer) who is responsible for supervising the execution of the Works and administering the Contract.

Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.

The Initial Contract Price is the Contract Price listed in the Employer's Letter of Acceptance.

The Intended Completion Date is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Engineer by issuing an extension of time.

Materials are all supplies, including consumables, used by the Contractor for incorporation in the Works.

Plant is any integral part of the Works that shall have a mechanical, electrical, electronic, chemical, or biological function.

Routine Maintenance is the maintenance of roads for five years as specified in the Contract Data.

The **Site** is the area defined as such in the Contract Data.

Site Investigation Reports are those that were included in the bidding documents and are reports about the surface and subsurface conditions at the Site.

Specifications mean the Specifications for Rural Roads of Ministry of Rural Development (2014).

The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the Works.

A **Sub-Contractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the construction work and/or routine maintenance in the Contract, which includes work on the Site.

Temporary Works are works designed, constructed, installed, and removed by the Contractor that are needed for construction or installation of the Works.

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A **Variation** is an instruction given by the Engineer, which varies the Works.

The **Works**, as defined in the Contract Data, are what the Contract requires the Contractor to construct, install, maintain, and hand over to the Employer. Routine maintenance is defined separately.

2. Interpretation

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Engineer will provide instructions clarifying queries about these Conditions of Contract.

2.2 If sectional completion is specified in the Contract Data, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

2.3 The documents forming the Contract are to be taken as mutually explanatory, and unless otherwise expressly provided elsewhere in the Contract, the priority of the documents, in the event of any ambiguity between them, shall be interpreted in the following order of priority:

- (1) Agreement,
- (2) Notice to Proceed with the Work,
- (3) Letter of Acceptance,
- (4) Notice Inviting Tender
- (5) Contractor's Bid,
- (6) Contract Data,
- (7) Special Conditions of Contract Part II,
- (8) General Conditions of Contract Part I,
- (9) Specifications,
- (10) Drawings,
- (11) Bill of Quantities, and
- (12) Any other document listed in the Contract Data.

3. Language and Law

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

4. Engineer's Decisions

4.1 Except where otherwise specifically stated, the Engineer will decide contractual matters between the Employer and the Contractor in the role representing the Employer. However, if the

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Engineer is required under the rules and regulations and orders of the Employer to obtain approval of some other authorities for specific actions, he will so obtain the approval.

4.2 Except as expressly stated in the Contract, the Engineer shall not have any authority to relieve the Contractor of any of his obligations under the Contract.

5. Delegation

5.1 The Engineer, with the approval of the Employer, may delegate any of his duties and responsibilities to other person, after notifying the Contractor, and may cancel any delegation after notifying the Contractor.

6. Communications

6.1 All certificates, notices, or instructions to be given to the Contractor by the Employer/ Engineer shall be sent on the address or contact details given by the Contractor in Section 6 - Form of Bid. The address and contact details for communication with the Employer/ Engineer shall be as per the details given in Contract Data to GCC. Communications between parties that are referred to in the conditions shall be in writing. The Notice sent by facsimile (fax) or other electronic means (e-mails, sms, whatsapp, Twitter etc) shall 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.

6.2 Any change in communication address by the contractor during the concurrence of the contract must be intimated by the Contractor through registered letter and e-mail to the employer as well as the Engineer failing which the communication address given by the contractor in **Section-6 Form of Bid** will be valid address for any communication which will be binding to the contractor.

7. Subcontracting

7.1 The Contractor may subcontract part of the construction work with the approval of the Employer in writing, up to 25 percent of the contract price, also part or full routine maintenance work after completion of construction work but will not assign the Contract. It is expressly agreed that the Contractor shall, at all times, be responsible and liable for all his obligations under this Agreement notwithstanding anything contained in the agreements with his Sub-contractors or any other agreement that may be entered into by the Contractor and no default under any such agreement shall exempt the Contractor from his obligations or liability hereunder.

7.2 The Contractor shall not be required to obtain any consent from the Employer for:

- (a) the sub-contracting of any part of the Works for which the Sub-Contractor is named in the Contract.
- (b) the provision for labour, or labour component.

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- (c) the purchase of Materials which are in accordance with the standards specified in the Contract.

7.3 Beyond what has been stated in clauses 7.1 and 7.2, if the Contractor proposes sub-contracting any part of the work or full routine maintenance for five years, during execution of the Works, the Employer will consider the following before according to approval:

- (a) The Contractor shall not sub-contract the whole of the Works.
- (b) The Contractor shall not sub-contract any part of the Works without prior consent of the Employer. Any such consent shall not relieve the Contractor from any liability or obligation under the Contract and he shall be responsible for the acts, defaults and neglects of any of his sub-Contractor, his agents or workmen as fully as if they were the acts, defaults or neglects of the Contractor, his agents and workmen.

7.4 The Engineer should satisfy himself before recommending to the Employer whether the Sub-Contractor so proposed for the Works possesses the experience, qualifications and equipment necessary for the job proposed to be entrusted to him in proportion to the quantum of Works to be sub-contracted.

7.5 While sub-contracting part of construction work as per provisions of Clause 7.1 and 7.3 above, the Contractor shall enter into formal sub-contract with sub-contractor making provisions for such requirements as may be specified by the Engineer including a condition that to the extent of inconsistency, provision of the Contract shall prevail over the provisions of the sub-contract. A copy of document of formal sub-contract shall be furnished to the Employer within a period of 30 days from the date of such sub-contract. In all such cases, on completion of the Contract, the Engineer, unless for reasons recorded in writing decides otherwise shall issue a Certificate of Experience to the contractor and in such certificate, the experience of the sub-contractors shall also be mentioned. The Copy of such certificate would also be endorsed to the sub-contractor.

8. Other Contractors

8.1 The Contractor shall cooperate and share the Site with Other Contractors, public authorities, utilities, and the Employer between the dates given in the Schedule of Other Contractors, as referred to in the Contract Data. The Contractor shall also provide facilities and services for them as described in the Schedule. The Employer may modify the Schedule of Other Contractors, and shall notify the Contractor of any such modification.

8.2 The Contractor should take up the works in convenient reaches as decided by the Engineer to ensure there is least hindrance to the smooth flow of traffic including movement of vehicles and equipment of Other Contractors till the completion of the Works.

9. Personnel

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9.1 The Contractor shall ensure that the personnel engaged by it in the performance of its obligations under this Contract are at all times appropriately qualified, skilled and experienced in their respective functions.

9.2 The Contractor shall employ for the construction work and routine maintenance, the technical personnel named in the Contract Data or other technical persons approved by the Engineer. The Engineer will approve any proposed replacement of technical personnel only if their relevant qualifications and abilities are substantially equal to or better than those of the personnel stated in the Contract Data.

9.3 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 seven days and has no further connection with the Works in the Contract. The Contractor shall then appoint (or cause to be appointed) a replacement.

9.4 The Contractor shall not employ any retired Gazetted officer who has worked in the Engineering Department of the State Government and has either not completed two years after the date of retirement or has not obtained State Government's permission for employment with the Contractor.

9.5 The Engineer may require the Contractor to remove (or cause to be removed) any person employed on the Site or Works, including the Contractor's Representative, who in the opinion of the Engineer:

- (a) persists in any misconduct,
- (b) is incompetent or negligent in the performance of his duties,
- (c) fails to conform with any provisions of the Contract, or
- (d) persists in any conduct which is prejudicial to safety, health, or the protection of the environment.

9.6 Any type of misbehavior either by Contractor or by his personnel will be treated as same done by the Contractor. Neither Contractor nor his personnel will do any activity at the Work site or vicinity of the Work due to which law and order & Social harmony problem arise. Neither Contractor nor his personnel will involve in any unsocial activity.

10. Employer's and Contractor's Risks

10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Employer's Risks

11.1 The Employer is responsible for the excepted risks which are (a) in so far as they directly affect the execution of the Works in the Employer's country, the risks of war, invasion, act of foreign

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enemies, rebellion, revolution, insurrection or military or usurped power, civil war, riot commotion or disorder (unless restricted to the Contractor's employees) and contamination from any nuclear fuel or nuclear waste or radioactive toxic explosive, or (b) a cause due solely to the design of the Works, other than the Contractor's design.

12. Contractor's Risks

12.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks, referred to in clause 11.1, are the responsibility of the Contractor.

13. Insurance

13.1 The Contractor at his cost shall provide, in the joint names of the Employer and the Contractor, insurance cover from the Start Date to the date of completion, in the amounts and deductibles stated in the Contract Data for the following events which are due to the Contractor's risks:

- (a) loss of or damage to the Works, Plant and Materials;
- (b) loss of or damage to Equipment;
- (c) loss of or damage to property (except the Works, Plant, Materials, and Equipment) in connection with the Contract; and
- (d) Personal injury or death.

13.2 Insurance policies and certificates for insurance shall be delivered by the Contractor to the Engineer for the Engineer's approval before the Start Date. All such insurance shall provide for compensation to be payable in Indian Rupees to rectify the loss or damage incurred.

13.3 (a) The Contractor at his cost shall also provide, in the joint names of the Employer and the Contractor, insurance cover from the date of completion to the end of Defects Liability Period, in the amounts and deductibles stated in the Contract Data for personal injury or death which are due to the Contractor's risks:

13.3 (b) Insurance policies and certificates for insurance shall be delivered by the Contractor to the Engineer for approval before the completion date/start date. All such insurance shall provide for compensation to be payable in Indian Rupees.

13.4 Alterations to the terms of insurance shall not be made without the approval of the Employer.

13.5 Both parties shall comply with any conditions of the insurance policies.

14. Site Investigation Reports

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14.1 The Contractor, in preparing the Bid, may, at his own risk, rely on any Site Investigation Reports if referred to in the Contract Data, supplemented by any other information available to him, before submitting the bid.

15. Queries about the Contract Data

15.1 The Engineer will clarify queries on the Contract Data.

16. Contractor to Construct the Works and do maintenance

16.1 The Contractor shall construct and install and maintain the Works and do the work of routine maintenance in accordance with the Specifications and Drawings.

16.2 The contractor shall deploy the equipments and machinery as given in Contract Data. Contractor may be required to deploy additional resources, as advised by Engineer-in-charge depending on the exigencies of the work and also to achieve the targets/milestones.

17. The Works to Be Completed by the Intended Completion Date

17.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the Programme submitted by the Contractor, as updated with the approval of the Engineer, and complete them by the Intended Completion Date.

18. Approval by the Engineer

18.1 The Contractor shall submit Specifications and Drawings showing the proposed FDR Works to the Engineer, who is to approve them. The contractor shall submit job mix details to the engineer showing percentage of cement and additive to be used in FDR works to get minimum UCS strength of 4.5 to 7.0 MPa in 7/28 days and durability test report as per IRC 37 2018 and IRC SP 89 (Part II) 2018.

18.2 The Contractor shall be responsible for design and safety of Temporary Works.

18.3 The Engineer's approval shall not alter the Contractor's responsibility for design and safety of the Temporary Works.

18.4 The Contractor shall obtain approval of third parties to the design and safety of the Temporary Works, where required.

18.5 All Drawings prepared by the Contractor for the execution of the Works, are subject to prior approval by the Engineer before their use.

19. Safety

19.1 The Contractor shall be responsible for the safety of all activities on the Site.

19.2 The Contractor shall be responsible for safety of all persons, employed by him on Works, directly or through petty contractors or Sub-Contractors, and shall report accidents to any of them, however, and wherever occurring on Works, to the Engineer or the Engineer's Representative, and shall make every arrangement to render all possible assistance and to provide prompt and proper medical attention. The compensation for affected Workers or their relatives shall be paid by the Contractor in such cases expeditiously in accordance with the Workmen's Compensation Act and other labour Laws and regulations.

20. Discoveries

20.1 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.

21. Possession of the Site

21.1 The Employer shall handover complete or part possession of the site to the Contractor seven days in advance of construction programme. At the start of the work, the Employer shall handover the possession of at least 75% of the site.

22. Access to the Site

22.1 The Contractor shall allow access to the Site and to any place where work in connection with the Contract is being carried out, or is intended to be carried out to the Engineer and any person/persons/agency authorized by:

- (a) The Engineer
- (b) The Employer
- (c) The Ministry of Rural Development, Government of India.
- (d) The National Rural Roads Development Agency, Government of India

23. Instructions

23.1 The Contractor shall carry out all instructions of the Engineer, which comply with the applicable laws where the Site is located.

24. Dispute Redressal System

24.1 If any dispute or difference of any kind what-so-ever shall arise in connection with or arising out of this Contract or the execution of Works or maintenance of the Works there under, whether

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before its commencement or during the progress of Works or after the termination, abandonment or breach of the Contract, it shall, in the first instance, be referred for settlement to the competent authority within 45 days of arising of the dispute or difference, *described along with their powers in the Contract Data, above the rank of the Engineer*. The competent authority shall, within a period of forty-five days after being requested in writing by the Contractor to do so, convey his decision to the Contractor. Such decision in respect of every matter so referred shall, subject to review as hereinafter provided, be final and binding upon the Contractor. In case the Works 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.

24.2 Either party would have the right of appeal, against the decision of the competent authority, to the Standing Empowered Committee within 90 days of decision of the competent authority if the amount appealed against exceeds 0.20 (zero point two zero) percent of the initial contract price.

24.3 The composition of the Empowered Standing Committee will be:

- I. One official member, Chairman of the Standing Empowered Committee, not below the rank of Additional Secretary to the State Government.
- II. One official member not below the rank of additional chief engineer; and
- III. One non-official member who will be technical expert of Chief Engineer's or Superintending Engineer's level selected by the Contractor from a panel of three persons given to him by the Employer.

24.4 The Contractor and the Employer will be entitled to present their case in writing duly supported by documents. If so requested, the Standing Empowered Committee may allow one opportunity to the Contractor and the Employer for oral arguments for a specified period. The Empowered Committee shall give its decision within a period of ninety days from the date of appeal, failing which the Contractor can approach the appropriate court for the resolution of the dispute.

24.5 The decision of the Standing Empowered Committee will be binding on the Employer for payment of claims up to five percent of the Initial Contract Price. The Contractor can accept and receive payment after signing as "in full and final settlement of all claims". If he does not accept the decision, he is not barred from approaching the courts. Similarly, if the Employer does not accept the decision of the Standing Empowered Committee above the limit of five percent of the Initial Contract Price, he will be free to approach the courts applicable under the law.

25. Arbitration

25.1 In view of the provision of the clause 24 on Dispute Redressal System, it is the condition of the Contract that there will be no arbitration for the settlement of any dispute between the parties.

B. Time Control

26. Programme

26.1 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 in the Works, for the construction of works. *After the completion of the construction works, the programme for the Routine Maintenance Work, showing the general methods, arrangements, order and timing for all the activities involved in the Routine Maintenance will also be submitted by the Contractor to the Engineer for approval. The programme for Routine Maintenance will be submitted in each year for the period of Maintenance.*

26.2 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/ equipments being placed in field laboratory and the location of field laboratory along with the Programme. The Engineer shall cause these details to be verified at each appropriate stage of the programme.

26.3 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.

26.4 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.

26.5 The Engineer's approval of the Programme shall not alter the Contractor's obligations. The Contractor may revise the Programme and submit it to the Engineer again at any time. A revised Programme shall show the effect of Variations and Compensation Events.

27. Extension of the Intended Completion Date

27.1 The Employer on recommendation of the Engineer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date without the Contractor taking steps to accelerate the remaining Works, which would cause the Contractor to incur additional cost.

27.2 The Employer on recommendation of the Engineer shall decide whether and by how much time to extend the Intended Completion Date within 21 days of the Contractor asking the Engineer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information. If the Contractor has failed to cooperate in dealing with a delay, the delay by this failure shall not be considered in assessing the new Intended Completion Date.

27.3 The Contractor shall apply for time extension to the Engineer before the intended completion date stating the self- explanatory reason of hindrance. Extension of Intended Completion Date due to medical ground will not be considered in general but it may be considered in exceptional case.

28. Delays Ordered by the Engineer

28.1 The Engineer may instruct the Contractor to delay the start or progress of any activity within the Works. Delay/delays totalling more than 30 days will require prior written approval of the Employer.

28.2 If any delay/delays in date of start ordered by the Engineer in writing the due date of completion shall be shifted accordingly by the Employer. Written order of delays by the Engineer must be intimated to the Employer.

29. Management Meetings

29.1 The Engineer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the plans for the Works.

29.2 The Engineer shall record the business of management meetings and provide copies of the record to those attending the meeting. The responsibility of the parties for actions to be taken shall be decided by the Engineer either at the management meeting or after the management meeting and stated in writing to all those who attended the meeting.

C. Quality Control

30. Identifying Defects

30.1 The Engineer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Engineer may instruct the Contractor to search for a Defect and to uncover and test any work that the Engineer considers may have a Defect.

30.2 The Contractor will be fully responsible for the quality of work. If any work found unsatisfactory during the quality test, the contractor is bound to replace/reconstruct/rectify, whatever the case may be as directed by the Engineer.

31. Tests

31.1 For carrying out mandatory tests as prescribed in the specifications, the Contractor shall establish field laboratory at the location decided by Engineer. The field laboratory will have minimum equipments as specified in the Contract Data. The Contractor shall be solely responsible for:

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- (a) Carrying out the mandatory tests prescribed in the MoRD Specifications, and
- (b) For the correctness of the test results, whether preformed in his laboratory or elsewhere.

31.2 If the Engineer instructs the Contractor to carry out a test not specified in the Specifications to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples.

32. Correction of Defects noticed during the Defects Liability Period and removal of deficiencies in Routine Maintenance of Roads for five years

32.1 The Engineer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins from the Completion Date of works of construction and ends after five years. The Defects Liability Period shall be extended for as long as the Defects remain to be corrected.

32.2 Every time notice of Defect/Defects is given, the Contractor shall correct the notified Defect/Defects within the duration of time specified by the Engineer's notice.

32.3 The Contractor shall do the routine maintenance of roads, including pavement, road sides and cross drains including surface drains to the required standards and in the manner as defined in clause 1.1 and keep the entire road surface and structure in Defect free condition during the entire maintenance period which begins from the Completion Date and ends after five years.

32.4 In compliance to Programme of Routine maintenance work (as per clause 26.1) submitted by the contractor, he shall carry out monthly inspection of roads under maintenance, based on which , he shall submit monthly bills , on line on e- Marg as detailed in subsequent clauses.

The routine maintenance standards shall meet the following minimum requirements: -

- (i) Potholes on the road surface to be repaired soon after (but not more than 15 days to rectify) these appear or brought to his notice either during the Contractor's monthly inspection or by the Engineer.
- (ii) Road shoulders to be maintained in proper condition to make them free from excessive edge drop offs, roughness, scouring or potholes.
- (iii) Cleaning of surface drains including reshaping to maintain free flow of water.
- (iv) Cleaning of culverts and pits for free flow of water.
- (v) Maintenance of road signs, pavement markings and other traffic control devices
- (vi) Any other maintenance operation required to keep the road traffic worthy at all times during the maintenance period.

- (vii) Maintenance of Cross -Drainage works.
- (viii) The maintenance activity includes clearing of tree branches to keep the sight distance visible all the time.

32.5 To fulfil the objectives laid down in sub clauses 32.3 and 32.4 above, the Contractor shall undertake detailed inspection of the roads at least once in a month. The Engineer can increase this frequency in case of emergency. The Contractor shall forward to the Engineer, the record of inspection and rectification each month. The Contractor shall pay particular attention on those road sections, which are likely to be damaged or inundated during rainy season.

32.6 The Engineer may issue notice to the Contractor to carry out removable of defects and deficiencies in maintenance of defects, if any, noticed in his inspection, or brought to his notice. The Contractor shall remove the defects within the period specified in the notice and submit to the Engineer a compliance report. In any case the rectification shall be done within 15 days. If the Contractor fails to rectify the defects noticed by the Engineer within the specified period it will cause the breach of contract and suitable action shall be taken against the contractor as per specified clauses.

32.7 Any instructions issued by the Departmental Officer/SQM/NQM during concurrence of contract or during defect liability period shall be binding upon the contractor

33. Uncorrected Defects

33.1 If the Contractor has not corrected a Defect pertaining to the Defects Liability Period under clause 32.1 and clause 32.2 of these Conditions of Contract, to the satisfaction of the Engineer, within the time specified in the Engineer's notice, the Engineer will assess the cost of having the Defect corrected, and the Contractor will pay this amount, on correction of the Defect.

D. Cost Control

34. Bill of Quantities

34.1 The Bill of Quantities shall contain items for the construction, installation, testing, and commissioning, maintaining works, and lump sum amount per km for yearly routine maintenance for each of the five years separately, to be done by the Contractor.

34.2 The Bill of Quantities is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the Bill of Quantities for each item for the construction of roads. The payment for routine maintenance of roads to the Contractor is performance based.

35. Variations

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35.1 The Engineer shall, having regard to the scope of the Works and the sanctioned estimated cost, have power to order, in writing, Variations within the scope of the Works, he considers necessary during the progress of the Works. Such Variations shall form part of the Contract and the Contractor shall carry them out and include them in updated Programmes produced by the Contractor. Oral orders of the Engineer for Variations, unless followed by written confirmation, shall not be taken into account.

36. Payments for Variations

36.1 If the quantity of work for any BOQ item is varied, it will not constitute a variation for the purpose of payment to the contractor, at a rate other than the one mentioned in the Agreement.

36.2 If the items for Variation are not specified in the Bill of Quantities, the Engineer shall derive the rate for such variation item from similar items in the Bill of Quantities.

36.3 If the rate for Variation item cannot be determined in the manner specified in Clause 36.2, the Contractor shall, within 14 days of the issue of order of Variation work, inform the Engineer the rate which he proposes to claim, supported by analysis of the rates. The Engineer shall assess the quotation and determine the rate based on prevailing market rates within one month of the submission of the claim by the Contractor. As far as possible, the rate analysis shall be based on the standard data book and the relevant schedule of rates of the state. The recommendation of the Engineer on the rate so determined shall be submitted to the employer for approval. The decision of the employer shall be final and binding on the Contractor.

37. Cash Flow Forecasts

37.1 When the Programme is updated, the Contractor shall provide the Engineer with an updated cash flow forecast.

38. Payment Certificates

38.1 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 within 14 days and certify the amount to be paid to the Contractor.
- (c) The value of work executed shall be determined, based on measurements by the Engineer.

- (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) 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.
- (g) The payment of final bill shall be governed by the provisions of Clause 50 of GCC.

38.2 The payment to the Contractor will be as follows for routine maintenance:

The payment for routine maintenance of roads to the Contractor is performance based and at per km per year rate as provided in the contract. For assessing performance of roads and payment, contractor to register and submit monthly bills on maintenance on web based utility called e- Marg (www.emarg.gov.in). The performance of roads will be assessed on e-Marg, through regular routine inspection RI and Performance Evaluation PE by the engineer. The details of RI, marking system in PE and payment methodology is given in note below. The detailed marking system is given in contract data, clause 4(vi).

- (a) Payment for routine maintenance will be performance based. For certification of payment of routine maintenance, the engineer shall determine whether the contractor has actually achieved compliance to the Service Quality Level (and other requirements) specified in the Scope of Work, with reference to 100-point (hundred point) performance indexes assigned to various maintenance activities as given in the contract data of GCC and the engineer shall certify the amount to be paid to the contractor. If contractor has not corrected a Defect pertaining to the Defects Liability Period or attended maintenance work under clause 32 of these conditions, to the required standard and performance index is below 80 points (eighty points) no payment will be released for that period even if such maintenance is attended in subsequent months. If performance index is 100 points full payment, at the approved rate, shall be released. If performance index is between 80 to 100, proportionate deduction in payment will be made for the works not attended during that period.
- (b) For performance evaluation and payment of routine maintenance individual road shall be the unit. Evaluation shall be done separately for every km or part thereof (segment wise) and weighted average of marks obtained shall be considered while making payment.
- (c) If any two segments get less than 80 marks or any particular segment continuously gets less than 80 marks, the payment for whole road shall be denied. Details are as below.

Note: The Routine Inspection and performance evaluation of road will be done for each KM or part of it, as the rates for maintenance are per KM basis. For details, bidders to refer the latest SOP issued by NRIDA on Performance Based Maintenance Contract (PBMC) as applicable on the day of bid submission. The PBMC system is a web-based system called **e-Marg** of latest version. The bill submissions by the contractors, Performance evaluation, photographic records, payment etc is on e-Marg and contractor is supposed to be well versed with the system. The performance evaluation and marking system is broadly as per the SOP issued by NRIDA and final marking is subject to the entire satisfaction of the engineer, who has full authority to assess and give marks in PE.

ROUTINE INSPECTIONS

- (1) Every road must be inspected for Routine Inspection (RI) at least once in two months. (Bi-monthly frequency)
- (2) Routine inspection can be carried out by any of the PIU officers including Sub Engineer /JE/AE/DE/AEE/EE or equivalent.
- (3) RI is to be carried out using **e-MARG** mobile app only.
- (4) For the purpose of RI, each road shall be divided into segments of one kilometre or part thereof. Complete road length shall be compulsorily inspected during a routine inspection.
- (5) For each segment two geo-tagged and time-stamped photographs shall be uploaded for each segment. The chainages for capturing photographs shall be system generated to ensure randomness.
- (6) During RI, inspected segment shall be graded as Satisfactory(S), Satisfactory but requires improvement (SRI) and Unsatisfactory (U) as per the prescribed format in e-Marg.
- (7) The concerned officers and contractor can view the detailed report of the RI using their respective log-in credentials.

PERFORMANCE EVALUATION (PE)

- (1) Every road must be evaluated at least once in two months. (Bi-monthly frequency)
- (2) PE can be carried out by any of the PIU officers including Sub Engineer/ JE/ AE/DE/AEE or equivalent.
- (3) For the purpose of PE, each road shall be divided into segments of one kilometre or part thereof. Based on the grading of RI and photographs uploaded during RI, every segment is given marks out of 100 on the parameters fixed for PE. The weighted average marks are then evaluated for the entire road.
- (4) All the PE conducted need to be finalized by the respective PIU-in- charge. While finalizing PE, PIU-in- charge may change the marks given to the road by the inspecting officer, along with mentioning the reasons for the change made.
- (5) Criteria for Payment based on the marks obtained in PE is as follows:
 - a) If the weighted average marks for the entire road is 100 then full payment will be done.

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- b) If the weighted average marks for the entire road is between 80 and 100, then proportionate payment will be done. For e.g if the marks obtained is 88 out of 100 then 88% of the amount of bill raised will be paid.
If the weighted average marks for the entire road is less than 80 then no payment will be done for the entire road.
- d) If any two segments of a road get less than 80 marks in the same PE, then no payment will be done for the entire road.
- e) If any particular segment of a road gets less than 80 marks in two consecutive PE, then no payment will be done for the entire road.

(d) The Contractor shall submit to the Engineer a bill every month for the routine maintenance of the roads from the date the maintenance period starts i.e. from completion date as defined in Clause 1.1, it will be supported with a copy of the record of the Contractor's monthly inspection and other instructions received from the Engineer.

(e) The payment will be made six monthly for the monthly bills received and as certified by the Engineer based on performance by the Contractor.

(f) The contractor shall submit monthly bills by the 10th day of the next month (**on web-based software utility e-Marg**) and if the bill for a month is not received from the Contractor, he forfeits his right for the payment and no payment shall be due to the contractor.

On submission of timely bills, engineer to certify the quality and actions taken as per clause 32.6 by the contractor, by way of Routine inspection and Performance evaluation, marking system as explained herein before, the frequency of RI and PE is every two months and payment of bills is six monthly. Engineer cannot delay RI and PE as these become due on **e-Marg** a web-based software utility as explained in succeeding paras and herein before.

(g) If the Contractor has failed to carry out the maintenance within the period specified by the Engineer, no payment of any kind will be due to the Contractor for that month.

39. Payments

39.1 Payments shall be adjusted for deductions for advance payments, security deposit, other recoveries in terms of the Contract and taxes at source, as applicable under the law. The Employer shall pay the Contractor the amounts the Engineer has certified, within 15 days of the date of each certificate.

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39.2 The Employer may appoint another authority, as specified in the Contract Data (or any other competent person appointed by the Employer and notified to the Contractor) to make payment certified by the Engineer.

39.3 Items of the Works for which no rate or price has been entered in the Bill of Quantities, will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

39.4 Payment for the routine maintenance of the roads will be made monthly for the satisfactory maintenance of the Works and based on the monthly bills submitted by the Contractor as per Clause 38.2 above and certified by the engineer, within 15 days of the date of each certificate.

40. Compensation Events

40.1 The following shall be Compensation Events unless they are caused by the Contractor:

- (a) The Engineer orders a delay or delays exceeding a total of 30 days.
- (b) The effects on the Contractor of any of the Employer's Risks.

40.2 If a Compensation Event would prevent the Works being completed before the Intended Completion Date, the Intended Completion Date shall be extended. The Engineer shall recommend to the Employer whether and by how much the Intended Completion Date shall be extended. Final approval shall rest with the Employer.

41. Tax

41.1 The rates quoted by the contractor shall be deemed to be exclusive of the Goods and Services Tax (GST) but including labour cess, other levies, duties, royalties, cess, toll, taxes of local bodies and authorities that the contractor will have to pay for the performance of this contract. The employer will perform such duties in regard to the deduction of such taxes including GST at source, require deductions in this reference will be made as per applicable law. GST as per prevailing rate at the time of payment/bill submission shall be made applicable (presently @ 12%) and shall be paid on the whole work carried out as accepted by the engineer, while making the payment. However, the rates of maintenance are exclusive of GST which shall be paid separately as applicable.

42. Currencies

42.1 All payments will be made in Indian Rupees.

43. Security Deposit

43.1 The Employer shall retain security deposit of five percent and Performance Security of two and a half percent of the amount from each payment due to the Contractor until completion of the whole of the construction Work. No security deposit/ retention shall be retained from the payments

for Routine Maintenance of works. In case, the Contractor furnishes bank guarantee for the amount equal to Performance Security of two and a half percent retained from each payment due to the Contractor, the same amount shall be repaid to the Contractor subject to condition that the validity of bank guarantee is as per provision of Clause 46.2 of GCC.

43.2 On the satisfactory completion of the whole of the construction work, half of the total amount retained as security deposit is repaid to the Contractor, one-fourth of the total amount retained as security deposit is repaid to the Contractor at the end of 2nd year after completion of the construction work and balance of the amount retained as security deposit is repaid to the Contractor at the end of 3rd year after completion of the construction work subject to condition that the Engineer has certified that all defects notified by the Engineer to the Contractor before the end of period prescribed for repayment have been corrected.

43.3 The additional Performance Security for unbalanced bids as detailed in Clause 46 of the Conditions of Contract is repaid to the Contractor when the construction work is complete.

43.4 The Performance Security equal to *five per cent of the Contract Price* as detailed in Clause 46 of Conditions of Contract is repaid to the Contractor when the period of five years fixed for Routine Maintenance is over and the Engineer has certified that the Contractor has satisfactorily carried out the Routine Maintenance of the works. *If the Routine Maintenance part of the contract is not carried out by the Contractor as per this Contract, the Employer will be free to get the Routine Maintenance work carried out from another source and the amount required for this work will be recovered from the amount of Performance Security available with the Employer and/ or from any amounts of the Contractor whatever is due along with additional 20 per cent amount as penalty. This act is not mandatory for an Engineer, Contractor is bound to do the routine maintenance on his own cost.*

43.5 If the Contractor so desires, then the Security Deposit can be converted into any interest-bearing security of scheduled commercial bank in the name of the Employer or National Saving Certificates duly pledged in favour of the Employer for Defects Liability Period.

44. Liquidated Damages

44.1 In the event of failure on part of the Contractor to achieve timely completion of the project, including any extension of time granted under Clause 27, he shall, without prejudice to any other right or remedy available under the law to the Employer on account of such breach, pay as agreed liquidated damages to the Employer and not by way of penalty in a sum calculated at the rate per week or part thereof as stated in the Contract Data. For the period that the Completion Date is later than the Intended Completion Date, liquidated damages at the same rate shall be withheld if the Contractors fail to achieve the milestones prescribed in the Contract Data. However, in case the Contractor achieved the next milestone, the amount of the liquidated damages already withheld shall be restored to the Contractor by adjustment in the payment certificate. Both the Parties expressly

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agree that the total amount of liquidated damages shall not exceed **10%** (ten percent) of Initial Contract Price and that the liquidated damages payable by the Contractor are mutually agreed genuine pre-estimated loss and without any proof of actual damage likely to be suffered and incurred by the Employer; and the Employer is entitled to receive the same and are not by way of penalty.

The Employer may, without prejudice to any other method of recovery, deduct the amount of such damages from any sum due, or to become due to the Contractor or from Performance Security or any other dues from Government or semi-Government bodies within the state.

The payment or deduction of such damages shall not relieve the Contractor from his obligations to complete the Works, or from any other of his duties, obligations, or responsibilities under the Contract.

The Contractor shall use and continue to use his best endeavours to avoid or reduce further delay to the Works, or any relevant Stages.

44.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Engineer shall correct any such payment of liquidated damages by the Contractor by adjusting the next payment certificate.

44.3 It is agreed by the Contractor that the decision of the Employer as to the liquidated damages payable by the Contractor under this Clause shall be final and binding.

45. Advance Payment

45.1. On the request of the Contractor, the Employer will make the following advance payment to the Contractor against submission by the Contractor of an Unconditional Bank Guarantee from a scheduled Commercial bank acceptable to the Employer in amounts equal to **110%** (one hundred ten per cent) of the amount of the advance payment being requested:

- (a) Mobilization advances up to 5% (five percent) of the initial contract price excluding the contract price for routine maintenance
- (b) Equipment Advance up to 90% (ninety percent) of the cost of the new equipment brought to the site, subject to a maximum of 10% (ten percent) of the initial contract price excluding the contract price for routine maintenance

The Bank 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. Interest will not be charged on the advance payment. However, if the Contract is terminated due to default of the Contractor, the Mobilization Advance and the Equipment Advance shall be deemed to be an interest-bearing advance at the base rate of the State Bank of India, as application on the date of such advance payment.

45.2 The Contractor is to use the advance payment only to pay for Equipment, plant and Mobilization expenses required specifically for execution of the Works. The Contractor shall demonstrate that the advance payment has been used in this way by supplying copies of invoices or other documents to the Engineer

45.3 The advance payment shall be recovered by deducting proportionate amounts from payments otherwise due to the Contractor for the construction work, following the schedule of completed percentages of the Works on a payment basis. No account shall be taken of the advance payment or its repayment in assessing valuations of work done, Variations, price adjustments, Compensation Events, or liquidated damages.

46. Securities

46.1 The Performance Security equal to 5% (five percent) of the Contract Price and additional security for unbalanced bids shall be provided to the Employer. Out of total Performance Security equal to 5% (five per cent) of Contract Price, half shall be delivered to the Employer not later than the dates specified in the Letter of Acceptance and shall be issued in the form given in Contract Data; however, balance half Performance Security shall be retained at the rate of two and a half per cent of each payment due to the Contractor until completion of whole of the construction work.

46.2 The Performance Security shall be valid until a date 45 days from the date of issue of certificate of completion of construction work and maintenance work subject to the condition that if the Performance Security is in the form of a Bank Guarantee, the period of validity of Bank Guarantee could be one year initially; however, the Contractor would get this Bank Guarantee extended in such a way that an amount equal to five per cent of the Contract Price is always available with Employer until 45 days after the lapse of the Defects Liability Period. If the Contractor fails to maintain the above Performance Security, the Employer would recover the same from any dues payable to the Contractor.

47. Cost of Repairs

47.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Liability Period shall be remedied by the Contractor at his cost if the loss or damage arises from the Contractor's acts or omissions.

E. Finishing the Contract

48. Completion of Construction and Maintenance

48.1 The Contractor shall request the Engineer to issue a certificate of completion of the construction of the Work and the Engineer will do so upon deciding that the Work is completed.

48.2 The Contractor shall request the Engineer to issue the certificate of completion of the Routine Maintenance and the Engineer will do so upon deciding that the work of Routine Maintenance is completed.

49. Taking Over

49.1 The Employer shall take over the Works within seven days of the Engineer's issuing a certificate of Completion of Works. The Contractor shall continue to remain responsible for its Routine Maintenance during the maintenance period.

49.2 The Employer shall take over the maintained road within seven days of the Engineer issuing a certificate of completion of the work of Routine Maintenance.

50. Final Account

50.1 The Contractor shall submit to the Engineer 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 completion of construction of Works. The Engineer shall issue a Defects Liability Certificate and certify any payment that is due to the Contractor for Works within 42 days of receiving the Contractor's account if it is correct and complete. If the account submitted by the Contractor is not correct or complete, the Engineer shall issue a schedule to the Contractor, within 42 days, that states the scope of the corrections or additions that are necessary. If the revised account is still unsatisfactory, after it has been resubmitted by the Contractor, the Engineer shall decide on the amount payable to the Contractor and issue a payment certificate within 28 days of receiving the Contractor's revised account. The payment of final bill for construction of Works will be made within 14 days thereafter.

50.2 In case the account for construction is not received within 21 days of issue of Certificate of Completion as provided in clause 50.1 above, the Engineer shall proceed to finalise the account and issue a payment certificate within 28 days. The payment of final bill for construction of Works will be made within 14 days thereafter.

50.3 The Contractor shall submit to the Engineer a detailed account of the total amount that the Contractor considers payable for maintenance of works under the contract 21 days before the end of the Routine Maintenance Period. The Engineer shall issue a Routine Maintenance Completion Certificate and certify any final payment that is due to the Contractor within 21 days of receiving the Contractor's account if it is correct and complete. If it is not, the Engineer shall issue within 21 days a schedule that states the scope of the corrections or additions that are necessary. If the revised account is still unsatisfactory after it has been resubmitted by the Contractor, the Engineer shall decide on the amount payable to the Contractor and issue a payment certificate within 28 days of receiving the Contractor's revised account. The payment of final bill for routine maintenance will be made within 14 days thereafter.

50.4 In case the account for routine maintenance is not received within 21 days of issue of Certificate of Completion as provided in clause 50.3 above, the Engineer shall proceed to finalise the account and issue a payment certificate within 28 days. The payment of final bill for routine maintenance will be made within 14 days thereafter.

51. Operating and Maintenance Manuals

51.1 If "as built" Drawings including L-section, X-section, Drawings of Culvert or bridges and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract Data.

51.2 If the Contractor does not supply the Drawings and/or manuals by the dates stated in the Contract Data, or they do not receive the Engineer's approval, the Engineer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

52. Termination

52.1 The Employer may terminate the Contract if the Contractor causes a fundamental breach of the Contract.

52.2 Fundamental breaches of the Contract shall include, but shall not be limited to, the following:

- (a) If the Contractor stops work for **28** days when no stoppage of work is shown on the current Programme and the stoppage has not been authorized by the Engineer.
- (b) If the Contractor is declared as bankrupt or goes into liquidation other than for approved reconstruction or amalgamation.
- (c) If the Engineer gives Notice that failure to correct a particular Defect whether pertaining to construction work or pertaining to maintenance work within defects liability period is a fundamental breach of the Contract and the Contractor fails to correct it within a reasonable period of time determined by the Engineer.
- (d) If the Contractor does not maintain a Security, which is required.
- (e) If the Contractor has delayed the completion of the Works by the number of days for which the maximum amount of liquidated damages can be paid, as defined in clause 44.1;
- (f) If the Contractor fails to provide insurance cover as required under clause 13.
- (g) If the Contractor, in the judgement of the Employer, has engaged in the corrupt, fraudulent or coercive practice in competing for or in executing the Contract. For the purpose of this clause, "corrupt practice" means the offering, giving, receiving, or soliciting of anything of value to influence the action of a public official in the procurement process or in Contract execution. "Fraudulent Practice" means a willful misrepresentation or omission of facts or submission of fake/forged documents in order to induce public official to act in reliance thereof, with the purpose of obtaining unjust advantage by or causing damage to justified interest of others and/or to influence the procurement process to the detriment of the Government

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interests. And, this includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid process at artificial non-competitive levels and to deprive the Employer of the benefits of free and open competition. "Coercive practice" means the act of obtaining something, compelling an action or influencing a decision through intimidation, threat or the use of force directly or indirectly, where potential or actual injury may befall upon a person, his/ her reputation or property to influence their participation in the tendering process.

- (h) If the Contractor has not completed at least three-eighth of the value of construction Work required to be completed after half of the completion period has elapsed.
- (i) If the Contractor fails to set up a field laboratory with the prescribed equipment, within the period specified in the Contract Data.
- (j) If the Contractor fails to deploy machinery and equipment or personnel as specified in the Contract Data at the appropriate time; and
- (k) If the Contractor fails to pay EPF/ ESI contribution as required under prevailing laws.
- (l) If the Contractor engages child labour in violation of prevailing laws.
- (m) If the Contractor fails to ensure that there is no gender bias in engagement of labour and other employees and in payment of wages and he discriminate against female workers.
- (n) If the contractor fails to maintain the roads within defect liability period.
- (o) Non-Cooperation with the Co-Contractor
- (p) If the Contractor does not maintain the quality after repeated instruction of Engineer.
- (q) Any activity against the CRPC/IPC
- (r) Any unsocial activity at workplace or within vicinity of work site.
- (s) Other justified reason as considered by the Engineer.
- (t) any other fundamental breaches as specified in the Contract Data

52.3 Notwithstanding the above, the Employer may terminate the Contract for convenience.

52.4 If the Contract is terminated, the Contractor shall stop work immediately, make the Site safe and secure, and leave the Site as soon as reasonably possible.

53. Payment upon Termination

53.1 (i) If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Engineer shall issue a certificate for the value of the work done, less liquidated damages, less advance payments received up to the date of the issue of the certificate and less the percentage to apply to the value of the work not completed, as indicated in the Contract Data. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be recovered from the Security Deposit, and Performance Security. If any amount is still left un-recovered it will be a debt payable to the Employer from State PMGSY works, any other State Government works including State Public Sector works executed by the Contractor. If any amount still remains un-recovered, it shall be recovered as arrears of land revenue.

53.1 (ii) If the Contract is terminated because of a fundamental breach of contract by the Contractor due to non-compliance of the requirements of clause 32 of GCC regarding defects liability period and routine maintenance of roads for five years, the Engineer will assess the cost of having the defect corrected. If the total amount due to the Employer exceeds any payment due to the Contractor, the difference shall be recovered from the Security Deposit and Performance Security. If any amount is still left un-recovered, it will be recovered from any dues payable to the Contractor from State PMGSY works, any other State Government works including State Public Sector works executed by the Contractor. If any amount still remains un-recovered, it shall be recovered as arrears of land revenue.

53.2 If the Contract is terminated at the Employer's convenience, 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.

54. Property

54.1 All Materials on the Site, Plant, Equipment, Temporary Works, and Works shall be deemed to be the property of the Employer for use for completing balance construction work if the Contract is terminated because of the Contractor's default, till the Works is completed after which it will be transferred to the other Contractor and credit, if any, given for its use.

55. Release from Performance

55.1 If the Contract is frustrated by the outbreak of war or by any other event entirely outside the control of the Employer or the Contractor, the Engineer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which a commitment was made.

55.2 Death or permanent invalidity of the Contractor: The Contractor shall indicate his nominee for the Contract at the time of signing of Agreement. If a Contractor dies during the currency of the Contract or becomes permanently incapacitated, and his/her nominee are not willing to complete the Contract, the Contract shall be closed without levying any damages/compensation as provided for in clauses 44 and 53 of GCC.

However, if the nominee expresses his/her intention to complete the balance work and the competent authority is satisfied about the competence of the nominee, 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 initially awarded.

F. Other Conditions of Contract

56. Labour

56.1 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 safety, payment, housing, feeding and transport.

56.2 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.

57. Compliance with Labour Regulations

57.1 During continuance of the Contract, the Contractor and his sub-Contractors shall abide at all times by all existing labour enactments and rules made thereunder, 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 Appendix to Part I General Conditions of Contract. 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/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, the Engineer/Employer shall have the right to deduct any money due to the Contractor including his amount of Performance Security. The Employer/Engineer shall also have the 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.

57.2 Full compliance of statutory requirements apart, the Contractor shall pay rates of wages and observe conditions of labour not less favourable than those established for the trade or the industry where the work is carried out. The Contractor shall make himself aware of all labour regulations and their impact on the cost and build up the same in the Contract Price. During the Contract Period, unless and otherwise provided in the Contract, no extra amount in this regard shall be payable to the Contractor, for whatsoever reason.

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57.3 In the event of default being made in the payment of any money in respect of wages of any person employed by the Contractor or any of its sub-contractors of any tier in and for carrying out of this Contract and if a claim therefore is filed in the office of the Labour Authorities and proof thereof is furnished to the satisfaction of the Labour Authorities, the Employer may, failing payment of the said money by the Contractor, make payment of such claim on behalf of the Contractor to the said Labour Authorities and any sums so paid shall be recoverable by the Employer from the Contractor.

57.4 It shall be the responsibility of the Contractor to pay EPF/ESI contributions as required under prevailing laws. The Contractor shall bear all such cost and it would be deemed to be included in the Contract Price.

57.5 The employment of child labour is prohibited in the Contract. The Contractor shall comply with the Child Labour (Prohibition and Regulation) Act, 1986.

57.6 The Contractor shall ensure that there is no gender bias in engagement of labour and other personnel and shall not make any discrimination against female employees. The Contractor shall comply with the Equal Remuneration Act, 1979 and Maternity Benefit Act, 1961.

57.7 The Contractor shall have a Labour Welfare Organization which shall be responsible for labour welfare and compliance with prevalent labour laws, statutes and guidelines. In this context, the Contractor is also required to familiarize himself with Labour Welfare Rules of the state concerned and comply with the provisions of the building and other Construction Workers (Regulation and Employment & Conditions of Service), Act 1996 and the Cess Act, 1996.

57.8 The Contractor shall provide and maintain at his own expense, all necessary accommodation and welfare facilities as per prevailing labour and welfare laws for his (and his Sub-contractor's) staff and labour.

57.9 The Contractor shall prepare and submit compliance reports of adherence to labour laws as and when directed by the Engineer.

58. Drawings and Photographs of the Works

58.1 The Contractor shall do photography/video photography of the site firstly before the start of the work, secondly mid-way in the execution of different stages of work and lastly after the completion of the work. No separate payment will be made to the Contractor for this.

58.2 The Contractor shall not disclose details of Drawings furnished to him and works on which he is engaged without the prior approval of the Employer in writing. No photograph of the works or any part thereof or plant employed thereon, except those permitted under clause 58.1, shall be taken or permitted by the Contractor to be taken by any of his employees or any employees of his sub-Contractors without the prior approval of the Employer in writing. No photographs/ Video

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photography shall be published or otherwise circulated without the approval of the Employer in writing.

59. The Apprentices Act, 1961

59.1 The Contractor shall duly comply with the provisions of the Apprentices Act, 1961 (III of 1961), the rules made there under and the orders that may be issued from time to time under the said Act and the said Rules and on his failure or neglect to do so, he shall be subject to all liabilities and penalties provided by the said Act and said Rules.

Contract Data to General Conditions of Contract

Except where otherwise indicated, the Employer prior to issuance of the bidding documents should fill in all Contract Data. Schedules and reports to be provided by the Employer should be annexed.

Clause Reference

Items marked “N/A” do not apply in this Contract.

1. The Employer is Governor of Himachal Pradesh
 On behalf of the Governor of HP the Chief Engineer.....
 HPPWD Zone at
 whose representative is; [Cl.1.1]
 Name of authorized Representative:
 **Engineer, HPPWD Circle/Division**
 Telephone No.(s): Office: -----
 Mobile No.: Facsimile (FAX) No.:
 Office: -----
 Electronic Mail Identification (E-mail ID):

2. The Engineer is [Cl.1.1]
 Designation: **Concerning Executive Engineer (PIU)** as given in the table below:

Sl No	Name of District		Name of Road	Name of Executive Engineer
1	2		3	4
	.....	HP-.....	.....	Executive Engineer, PIU, HPPWD,
	.....	HP-.....	.....	Executive Engineer, PIU, HPPWD,,
	.....	HP-.....	.....	Executive Engineer, PIU, HPPWD,,

3. The Intended Completion Date for the whole of the Works is **12 Months** including rainy season after start of work. [Cl.1.1.1, 17&27]

4. Routine Maintenance during five years after the Completion Date is defined as follows:

Maintenance operations during the period of **5 years** shall be based on Chapter 11 of Rural Roads Manual (IRC: SP: 20:2002). Its specific provisions are: -

(i) Clause 11.2, *ibid*, explains the various types of distress/defects of pavements. For example, cracks, raveling, rutting, potholes etc.

(ii) Clause 11.3, *ibid*, defines different maintenance activities. For example, fog seal, bituminous surface treatment, etc.

(iii) Clause 11.4, *ibid*, suggests planning of routine maintenance.

(iv) Clause 11.5 and Clause 11.6 (a), *ibid*, define preventive and corrective maintenance, and classify activities of routine maintenance and repairs.

(v) Clause 11.7, *ibid*, discusses in detail the assessment of defects and maintenance measures for sealed roads, roads with rigid / RCCP and roads with special pavement.

(Note: A periodical renewal is not part of routine maintenance).

(vi) The periodicity of routine maintenance activities shall be as follows, this is for guidance only, however, road is to be maintained in serviceable condition all the time and payment is performance based, as per performance evaluation and marks obtained.

Routine Maintenance Activities and their frequency with performance index (PI) – BT/Gravel Road

S.No.	Name of Item/ Activities	Frequency of operation in a year	PI	
			Plain & Rolling Terrain	Hilly Terrain

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1.	Maintenance of Bituminous surface road and / or gravel road and/or WBM road including filling potholes and patch repairs etc. As per clause 1904, 1906 of the MoRD Specifications (As per Annexure- 14.10 of Operation manual)	As and when required	50	40
2.	Restoration o rain cuts and dressing of side slopes/berms as per clause 1902 of the Specification (As per Annexure- 14.10 of Operation manual)	Once generally after rains (In case of areas having rainfall more than 1500 mm per year, as and when required).	10	5
3.	Making up of berms/ shoulders as per clause 1903 o the (As per Annexure- 14.10 of Operation manual)	As and when required	20	20
4.	Maintenance of drains as per clause 1907 of the Specifications. (As per Annexure- 14.10 of Operation manual)	Twice (In case of hill roads as and when required	3	8
5.	Maintenance of culverts a cause way as per clause 1908 and 1909 of the MoRD (As per Annexure 14.10 of Operation manual)	Twice (In case of hill roads as and when required)	4	10
6.	Maintenance of guard rails and parapet rails as per clause 1911 the MoRD Specification (As per Annexure- 14.10 of Operation	Maintenance as and when required. Repairing once in a year	1	1

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	manual)			
7.	Maintenance of road signs, speed breakers, standing tree adjacent to road wherever required as per clause 1910 of the MoRD Specification (As per Annexure-14.10 of Operation manual).	Maintenance as and when required. Repairing once in every two years	2	4
8.	Maintenance of 200 m and Kilo Meter stones as per clause 1912 the MoRD Specification (As per Annexure-14.10 Of Operation manual).	Maintenance as and when required. Repairing once in a year	2	2
9.	Cutting of branches of trees, shrubs and trimming of grass and weeds etc. A per clause 1914 of the MoRD Specification (As per Annexure- 14.10 of Operation manual)	Once generally after rains (In case of areas having rainfall more than 1500 mm per year, as and When required.	3	5
10.	White washing parapets of Works including CD As per Annexure-14.10 of Operation manual)	Once in a year	2	3
11.	Painting of guard stones	Twice in a year	2	1
12.	Re-fixing displaced guard stones	Once in a year	1	1
		Total Marks	100	100

Routine Maintenance Activities and their frequency with performance index – CC Road.

S. No	Name of Item/Activity	Frequency of	PI
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		operations in the year	Plain & Rolling Terrain	Hilly Terrain
1	Maintenance of Concrete surface including crack sealing spot patching with PCC or Bituminous concrete as per provisions of IRC SP83.	As and when required	50	40
2.	Restoration of rain cuts and dressing of side slopes/berms as per clause 1902 of the Specifications. (As per Annexure-14.10 of Operation manual)	Once generally after rains or as and when required.	10	5
3.	Making up of berms/shoulders as per clause 1903 of the (As per Annexure-14.10 of Operation manual)	As and when required	20	20
4.	Maintenance of drains as per clause 1907 of the Specifications. (As per Annexure-14.10 of Operation manual)	Twice (In case of Hill roads as and when required	3	8
5.	Maintenance of culverts and cause ways as per clause 1908 and 1909 of the Specifications. (As per Annexure-14.10 of Operation manual)	Twice (In case of Hill roads as and when required	4	10

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6.	Maintenance of guard rails and parapet rails as per clause 1911 of the MoRD Specifications (As per Annexure-14.10 of Operation manual)	Maintenance as and when required. Repairing once in a year	1	1
7.	Maintenance of road signs, speed breakers, standing trees adjacent to road wherever required as per clause 1910 of the MoRD Specifications (As per Annexure-14.10 of Operation manual).	Maintenance as and when required. Repairing once in every two years	2	4
8.	Maintenance of 200 m and kilo meter stones as per clause 1912 of the MoRD Specifications (As per Annexure-14.10 of Operation manual).	Maintenance as and when required. Repairing once in a year	2	2
9.	Cutting of Branches of trees, shrubs and trimming of grass and weeds etc. as per clause 1914 of the MoRD Specifications (As per Annexure-14.10 of Operation manual).	Once generally after rains (In case of areas having rainfall more than 1500 mm per year, as and when required.	3	5
10.	White washing parapet of Works including CD (As per Annexure-14.10 of Operation manual)	Once in a year	2	3
11.	Painting of guard stones	Twice in a year	2	1
12.	Re-fixing displaced guard stones	Once in a year	1	1

		Total:	100	100
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(vii) **Appendix 11.3, *ibid***, covers the special problems of Road Maintenance in Heavy Rainfall / Snow fall areas.

(viii) **Appendix 11.4, *ibid***, explains the nature of duties in maintenance of shoulders, drainage structures and causeways.

- 5. The Site is located [Cl.1.1.1]
Road namely
 HP-...-...-..... **Division : Circle: length KM as per BOQ.**
 HP-...-...-..... **Division : Circle: length KM as per BOQ.**
 HP-...-...-..... **Division: Circle: length KM as per BOQ.**

- 6. The Start Date shall be **15** days after the date of issue of the Notice to Proceed with the work. [Cl.1.1.1]

- 7. (a) The name and identification number of the Contract is: **HP-...-.....** [Cl.1.1.1]
 (b) The Works consist of [Cl.1.1.1]
 Construction and up gradation of
Road namely
 HP-...-...-..... **Division : Circle: length KM as per BOQ.**
 HP-...-...-..... **Division : Circle: length KM as per BOQ.**
 HP-...-...-..... **Division: Circle: length KM as per BOQ.**

The works shall, inter-alia, include the following, as specified or as directed.
 Clause Reference

(A) Road Works

Site clearance; setting-out and layout; widening of existing carriageway by using Full ***Full Depth Reclamation (FDR)in-situ stabilization with cement stabilization and additives***, by mixing of cement and additive as per approved job mix formula and constructing stabilized base course in width of carriageway + 15 cm and thickness 200 to 250 mm (As per provision) by self propelled recycler of required horse power, providing of SAMI layer using paving fabric and bitumen followed by 30 to 40 mm(As per Provision) thick BC Grade -2 in carriageway. Remodeling/construction of junctions, intersections, supplying and placing of drainage channels, flumes, guard posts and other related items; construction/extension of cross drainage works, bridge, approaches and other related items; road markings, road signs and kilometer/hectometer stones; protective works for roads/bridges; all aspects of quality assurance of various components of the works; rectification of the Defects in the completed works during the Defects Liability Period; submission of “As-built” drawings and any other related documents; and other item of work as may be required

to be carried out for completing the works in accordance with the Drawings and provisions of the Contract and to ensure safety and planting of trees along the roads.

(B) CD Works including bridges

Site clearance; setting out, provision of foundations, piers, abutments and bearings; pre-stressed/reinforced cement concrete superstructure; wearing coat, hand railings, expansion joints, approach slabs, drainage spouts/down-take pipes, provision of suitably designed protective works; providing wing/return walls; provision of road markings, road signs etc.; all aspects of quality assurance; clearing the Site and handing over the works on completion; rectification of the Defects during the Defects Liability Period and submission of “As-built” drawings and other related documents; and other items of work as may be required to be carried out for completing the works in accordance with the Drawings and the provisions of the Contract and to ensure safety.

(C) Maintenance and Other Items

As required to fulfill all the contractual obligations as per the Bid documents.

8. Section completion is **NA** [Cl 2.2]
9. The following documents also form part of the Contract: [Cl.2.3(11)]
- (1) PAN of the Contractor/Firm/Company
 - (2) GST Registration Certificate of Contractor/Firm/Company
 - (3) Labour Registration certificate of Contractor/Firm/Company in Labour Department.
 - (4) Registration of Contractor/Firm/Company in appropriate class either in HPPWD or equivalent category in CPWD/MES /Railways and other State Govt. and Central Govt. Departments in Similar class.
 - (5) Name of the Contractor Nominee as per clause 55.2 (if any)
 - (6) Authorised address, e-mail id, Mobile Number, Land Line Number of the Contractor/Firm/Company on his Letter Pad duly Signed by him.
 - (7) Comparative Statement of the Financial Bid Generated on-line.
 - (8) Status of the bidders generated on-line at the time of opening of Technical Bid.
 - (9) NoL issued from HPPWD for executing the bond.
 - (10) Permission from Uploading of Technical and Financial Appraisal online
 - (11) All original Affidavits, Agreement Attached with the bid by the bidders, Joint Venture Agreements if any.
 - (12) Stamp Paper if any.
 - (13) Any other document as mentioned below

10. (a) The law which applies to the Contract is the law of Union of India. [Cl.3.1]

(b) The language of the Contract documents is English [Cl.3.1]

11. The Schedule of Other Contractors is attached. [Cl. 8.1]
NIL

12 A. The Technical Personnel for construction work are: [Cl. 9.2]

A. the Technical Personnel are:

	Technical Position	Personnel Qualification	Number	Experience in Road Works
1	Site In charge	Degree Holder in Civil Engineering	4	2 Years
2	Assistant Site In charge	Diploma Holder in Civil Engineering	6	2 Years
3	Site Supervisor	Supervisors	6	2 Year

B. For field testing laboratory.

S. No.	Technical Position	Personnel Qualification	Number	Experience in Road Works
1	Lab In charge	Degree Holder/Diploma Holder in Civil Engineering/B.Sc.in PCM	2	2 Years
2	Lab Technician	ITI Qualified	2	2 Years

C. For Routine Maintenance.

S. No.	Technical Position	Personnel Qualification	Number	Experience in Road Works
1	Site In charge	Degree Holder in Civil Engineering	1	2 Years
2	Assistant Site In charge	Diploma Holder in Civil Engineering	1	2 Years

13(a) Amount and deductible for insurance are: [Cl. 13.1]

S. No.	Item	Minimum cover for insurance	Maximum deductible for insurance
1.	Works, Plants &	Equal to contract	0.4% of contract amount

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	Materials	amount	
2.	Loss or damage to Equipment	10% of contract amount	0.4% of contract amount
3.	Other properties	5% of contract amount	0.4% of contract amount
4.	Personal injury or death insurance a. For other people	15 Lakh	Deductibles shall be as per latest tariff of General Insurance Company of India plus 20% of the premium amount
	b. For contractor's employees	In accordance with statutory requirement applicable to India	

13(b) Amount and deductible for insurance are:

[Cl. 13.3 (a)]

Item		Amount to be insured	Deductibles
A.	Personal injury or death	Rs. 2 Lacs for one occurrence per year	Deductibles shall be as per latest tariff of General Insurance Company of India plus 20% of the premium amount

14. Site investigation report

[Cl.14.1]

As available with **Executive Engineer (P.I.U)**
HP Public Works Department District: and

15. The key equipment's/ machinery for construction of works shall be:

[Cl.16.2]

For Road Works

Sl. No	Name of Equipment/Machinery	Quantity
1	Recycler (Rotor width 2.0 m (Minimum Engine Power 315 KW) to 2.54 m (Minimum Engine Power 510 KW) with a variable working depth up to 50 cm.	1 No.
2	Truck mounted PLC controlled Cement Binder Spreader	1 No.
3	Truck mounted Water Tanker	2 No.
4	Additive Truck Spreader	1 No.
5	Pad foot roller 20 Ton	1 No.
6	Tandem Vibratory Roller 10 to 13 Ton	1 No.

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7	Pneumatic tyre roller 10 to 14 Ton capacity with Ballast weight atleast 18 T	1 No.
8	Single Drum soil compactor 10 to 13 Ton	1 No.
9	Motor Grader Blade width 3.35/3.7/4.3 m	1 No.
10	Fully electronic and computerized Hot Mix Plant (40 to 60 TPH capacity)/Mini Hot Mix Plant	1 No.
11	Paver Finisher (100 TPH)	1 No.
12	Tar Boiler (400 Ltr.)	1 No.
13	Pressure Distributor (1750 Sqm/Hr)	1 No.
14	Tippers (5.50 cum / 10 MT capacity)	4 Nos.
15	Smooth Wheeled Road Rollers. (80-100 KN)	4 Nos.
16	Tractor with Trolley	2 Nos.
17	Vehicle mounted mechanical sprayer	1 No.
18	Excavator (1.00 cum bucket capacity)/ JCB/End Loader (1.00 cum bucket capacity)	1 No.
19	Air Compressor (210 Cfm)	1 No.
20	Concrete Mixers (0.40 cum)	1 No.
21	Concrete Joint cutting Machine for CC Pavement	1 No.
22	Surface Vibrator	1 No.
23	Pin Vibrator	1 No.
24	Mechanical Broom	1 No.

16. (a) Competent authorities are: [Cl. 24.1]

Chief Engineer HPPWD.HP

(b) Members of the standing committee for dispute redressal [Cl. 24.3]

i. Addl/Special Secretary (Public Works) Govt of HP or his representative

ii. Chief Engineer rank officer (Non- official) selected by the Contractor from a panel of three persons given to him by the HPPWD

III Superintending Engineer, D-III in Office of Engineer-In-Chief

17. (a) The period for submission of the programme for approval of Engineer shall be **10** days from the issue of Letter of Acceptance. [Cl.26.1]

(b) The updated programme shall be submitted at interval of **30** days. [Cl. 26.3]

(c) The amount to be withheld for late submission of an updated Programme shall be Rs. **Rs. One lakh** [Cl. 26.3]

18. The key equipment's for field laboratory shall be: [Cl. 31.1a]

For field testing Laboratory

S. No	Name of Equipment/Machinery	Quantity in Nos
1	Riffle Box	1
2	Sieve Set	2
3	Sieve Shaker,450mm	1
4	Atterberg Limits (liquid and Plastic Limit) Apparatus	1
5	Specific Gravity Apparatus	1
6	Auto Compaction Test (Light Compaction)	1
7	Speedy Moisture Meter (With Chemical)	1
8	Compression Machine 200KN	1
9	CBR Testing Machine with Proving Ring	1
10	CBR Mold,	1
	Tripod Stand	2
	Dial Gauge	2
	Perforated Brass Plate	2
	Penetration Piston, Bracket for Penetration dial gauge, cutting collar, Displace block	2
	Surcharge Weight, rammer	1
11	Moisture Tins	1
12	Spatula	2
13	Aggregate Impact value Machine with Accessory as per, IS:2386-IV	1
14	Flakiness gauge as per IS-2386-I	1
15	Los Angeles (Abrasion Value) Apparatus as per IS:2386-IV	1
16	3m Straight Edge with Wedges	1
17	Water Bath (Thermostatically Controlled up to 60°C)	1
18	Penetration Machine with Accessory	1
19	softening point Apparatus with Accessory	1
20	Extraction Machine with 6 Mold, Rammer, Base, etc.	1
21	Viscosity (Say bolt Fulrol) with Accessories	1
22	Ductility Machine with Accessories	1
23	Sand Replacement Cylinder with Accessories	1
24	Core Cutter with Collar and Hand Rammer	2
25	Power Driven core cutter with Power hammer	1
26	Electrically driven core cutting machine	1
	(B) Other Accessories, Reagents and Glassware	
1	Auger, Pick Axe, Spade, Crow Bar, etc. (Digging Tools) set	2
2	Glass Ware, Filter Paper, Beaker, Cylinder, etc. set	6
3	Trichloroethylene Lit.	10

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4	Oven Thermostatically Controlled (up to 200C, Sensitivity 1C	1
5	Electronic Balance 5kg cap. Accuracy 0.5gm.	1
6	Electronic Balance 500gm cap. Accuracy 0.1gm.	1
7	Electronic Balance 200gm cap. Accuracy 0.1gm.	1
8	Thermometer (0°C to 5°C, 110°C, 250°C, 300°C)	6
9	Proving ring 50 KN	2
10	Proving ring 100 KN	1
11	First Aid Box	1
12	Tray Enameled (Big, Medium, small, Rectangular and Circular)	6
13	GI Tank 0.75x0.75mx0.3m	1
14	Hot Plate	1
15	Stop Watch	2
16	Sieve Set of GI frame dia. 450 mm of sizes in mm125,90,75,63,53,45,37.5,26.5,22.4,19,13.2,11.2,9.5,6.7,5.6, and 4.75 with lid and pan	one no each
17	Sieve Set of Brass frame dia. 200 mm of sizes in mm 4.75,2.36,2,1.7,1.4,1.18,1.0 and size in micron 850, 710, 600, 425, 300, 250, 180, 150, 90,75 with lid and pan	two no each

19. The authorized person to make payments is given below in the table: [Cl.39.2]

Sl No	Name of District		Name of Road	Name of Executive Engineer to make payments
1	2		3	4
a	HP.....	.....	Executive Engineer, PIU, HPPWD,
b	HP.....	.....	Executive Engineer, PIU, HPPWD,
c	HP.....	.....	Executive Engineer, PIU, HPPWD,

20. (a) Milestones to be achieved during the contract period

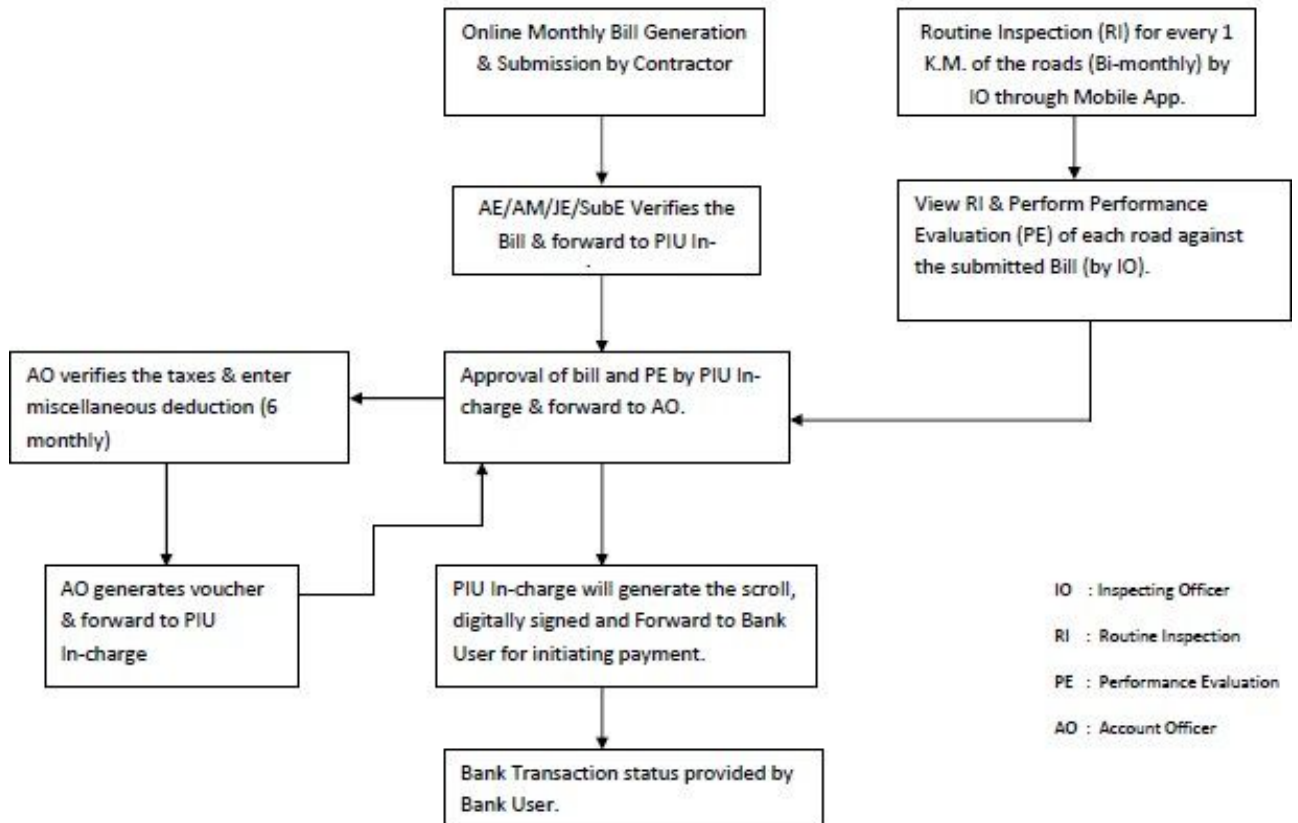
- (1) 1/8th of the value of entire contract work up to 1/4th of the Period allowed for completion of construction
- (2) 3/8th of the value of entire contract work up to 1/2 of the Period allowed for completion of construction
- (3) 3/4th of the value of entire contract work up to 3/4th of the Period allowed for completion of construction

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- | | |
|--|---|
| (b) Amount of liquidated damages for Delay in completion of works | For Whole of work
01 percent of the Initial Contract Price, rounded off to the nearest thousand, per week. |
| (c) Maximum limit of liquidated damages for delay in completion of work. | 10 per cent of the Initial Contract Price rounded off to the nearest thousand.
[Cl.44.1] |
21. The standard form of Performance Security acceptable to the Employer shall be an unconditional Bank Guarantee of the type as presented in the Bidding Documents, or Fixed Deposit Receipt from a scheduled Commercial bank. [Cl. 46.1]
22. (a) The Schedule of Operating and Maintenance Manuals [Cl.51.1]
30 days after completion of work
(b) The date by which “as-built” drawings (in scale as directed) in 2 sets are required is within 28 days of issue of certificate of completion of whole or section of the work, as the case may be. [Cl.51.1]
23. The amount to be withheld for failing to supply “as-built” drawings by the date required is Rs. **Two** Lakhs. [Cl.51.2]
24. (a) The period for setting up a field laboratory with the prescribed equipment is **15** days from the date of notice to start work [Cl.52.2 (i)]
(b) The following events shall also be fundamental breach of Contract: [Cl.52.2 (k)]
“The Contractor has contravened Clause 7.1 and Clause 9 of Part I General Conditions of Contract
25. The percentage to apply to the value of the work not completed representing the Employer’s additional cost for completing the Works shall be **20** percent. [Cl.53.1(i)]

eMARG

Flow Diagram for Inspection & Payment



Appendix to Part I General Conditions of Contract

SALIENT FEATURES OF SOME MAJOR LABOUR LAWS APPLICABLE TO ESTABLISHMENTS ENGAGED IN BUILDING AND OTHER CONSTRUCTION WORK.

- (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:
- a. Pension or family pension on retirement or death as the case may be.
 - b. Deposit linked insurance on the death in harness of the worker.
 - c. Payment of P.F. accumulation on retirement/death etc.
- (d) **Maternity Benefit Act 1961:** - 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 are 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 get 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 employ the prescribed minimum (say,

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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 notified 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 4

Conditions of Contract

Part – II Special Conditions of Contract

These conditions vary and add to the Conditions of Contract set out in Part I General Conditions of Contract

1. **Approval by Engineer in charge (FDR/CTB Works) :** The Contractor shall submit Specifications and Drawings showing the proposed FDR/CTB Works to the Engineer in charge, who is to approve them. The contractor shall submit job mix details to the engineer showing percentage of cement and additive to be used in FDR/CTB works to get minimum UCS strength of 4.5 to 7.0 MPa in 7 to 28 days and durability test report as per IRC-SP-72-2015, IRC-37-2012 & 2018 and IRC SP 89 (part II) 2018.
2. **Job Mix design includes furnishing test reports duly signed by AE/JE/PIU of following**
 - (i) Gradation Analysis, OMC & MDD, UCS (7 to 28 days), Durability, Residual strength and Flexural Strength.
 - (ii) Construction of Test patch **(100-200 mtr)**, its testing and verification of outcome of Mix Design by IIT/ NIT/ STA shall be done before taking up construction of the whole length.
3. The job mix design is an important factor for FDR/CTB. This varies with soil type also. The Contractor Executing the FDR/CTB Project will be required to have an agreement with the additive company (i.e. technology provider accredited by IRC). Contractor will submit the above said agreement to the PIU before commencement of work.
4. **The Longitudinal/ Transverse undulation must comply with IRC:SP:16:2019 Guideline.**
5. The letter no. NRRDA-A021(11)/10/2019-FA-367353 & NRRDA-P017(25)/7/2021-Dir.(Tech) dated 6th March 2020 & 31st January 2022 respectively issued by the NRIDA attached with the bid documents are part of the contract.
6. Contractor shall procure Bitumen / Modified Bitumen from CPSU/ PSUs only and shall produce the original C.R.C. issued by the company at the time of claiming the payment for bitumen or Modified Bitumen along with the bill.
2. As per Clause 32 of GCC the contractor is liable to correct the defect during defect liability period and payment of the same will be made as per clause 39.4 of GCC after confirming weightage of routine maintenance.

Other Condition: -

1. The latest relevant orders/guidelines issued by HP Mining Department as amended time to time will be enforced for Royalty deductions.
2. Relevant clauses of the GO regarding Contract and Construction works issued by HP Government will be applicable to the contractor.
3. Any circular or instruction issued by National Green Tribunal will be applicable to the Contractor.
4. After issue of Notice to Proceed with the Work, the Contractor will submit the name of the labourers to be employed at the concerned work site registered in labour Department.
5. Any change of technical personnel of the Contractor is subjected to the Employer consent during the construction period.
6. All notices and letters sent to e-mail given by the Bidder and SMS on registered cell phone of the Bidder will be presumed that has been received by the Bidder.
7. In case of any discrepancy between the downloaded bid document and that available with the concerned Employer office, the bid document available in the Employer office would be considered authentic.
8. Each Bidder is required to quote his rate on-line in the attached BOQ.
9. If any bidder qualifies for more than one group he has to demonstrate in writing about the main machineries, equipment and technical personnel for each group separately.
10. The Project Management Consultant (PMC) appointed by the employer shall also act as representative of the Engineer-In-Charge. The Engineer-In-Charge will ensure that the PMU will act only as per their directions and in accordance to the contract between them.
11. The GPS based Vehicle Tracking System has to be installed by the firm appointed by the HP Gram sadak Development Agency (Presently M/s IMZ corporate) on the Vehicles /machinery involved in construction of roads including recyclers, pavers, PTR, compactors/Rollers etc.

Section 5

Specifications

Note: The following are the guidelines for framing the specifications and, therefore, will not be part of the contract. These should be excluded from the bidding document.

- A.** The MoRD Specifications for Rural Roads published by the IRC (1st Revision) shall apply.
- B.** For items not covered in the MORD Specifications, the Ministry of Road Transport & Highways (MoRTH) Specifications for Road and Bridge Works (5th Revision) shall be followed.
- C.** Particular specifications: -
For items whose specifications given in MoRD Specifications or in MORTH specifications for road and bridge works need changes partly or wholly due to local conditions, the respective

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clauses are to be suitably modified to the extent felt necessary giving clause wise description of modifications under this head.

(i) MoRD Specifications (1st Revision)

(ii) MoRTH Specifications for Road & Bridge Works (5th Revision)

(iii) Provisions regarding FDR should be followed as given in IRC: SP: 89 2010, IRC: 37 2012, IRC: SP: 72 2015, IRC: 120-2015, IRC: SP: 89 (part-2) 2018 and IRC: 37 2018

D. For purposes of quality control, the MoRD Specifications for Rural Roads (1st Revision) and those covered by the Quality Assurance Handbook of the NRRDA shall apply.

Section 5 (Cont'd)

Drawings

Note: The design, drawings, standards and guidelines of the Rural Roads Manual (IRC: SP: 20-2002) and other relevant IRC Standards, Codes etc. are to be followed for all-weather rural roads.

The guidelines will not be part of the Contract. These should be excluded from the bidding document.

List of Drawings: -

1. Key Map
2. Road Alignment including cross sections
3. Pavement Drawings
4. Surface and sub surface drains with full details
5. Culverts and Bridges drawings
6. Drawings for any other Road structure.
7. Drawings for road signs, pavement markings and other traffic control devices
8. Drawings to be followed for actual execution of work should bear the stamp “Good for construction”.
9. Any revision of working drawings should be indicated by pre-fixing R1, R2.... etc. after original reference number. Reasons for each revision should be clearly noted in the drawing.
10. Complete set of drawings should be issued along with other tender documents so as to form part of the Agreement.

Section 6
FORM OF BID FOR PART I OF THE BID

Technical Qualification Part I of Bid

The Bidder shall fill in and load this form for Part I of Bid with the Technical Bid.

To [Name of Employer]

Identification Number of Works: **Group No. HP--.....**

Description of Works.

1-.....(Length-..... Km) District/Circle/Division

2--.....(Length-..... Km) District/Circle/Division

3-.....(Length-..... Km) District/Circle/Division

Dear Sir.

1. Having read the Bidding Documents, Requirements for submission of documents in ITB Clause 12, and acceptance of provisions for Fraud and Corruption in the Bidding Document, I/we submit in attachment all documents required in the Bidding Document together with all the Affidavits regarding the correctness of information/documents for the above stated bid.
2. I/we confirm that the Bid fully complies with all the requirements including the Bid Validity and Bid Security as required and specified by the bidding documents.
3. I/we certify that the information furnished in our bid is correct to the best of our knowledge and belief.
4. I/we undertake to carry out the works of Routine Maintenance for five years after the completion date as per the rates offered by the Employer in the bid documents.

Authorised Signatory.....

Name and Title of Signatory.....

Name of Bidder

Authorized Address of Communication.....

.....

Telephone Nos (Office)

Mobile No.

Facsimile (Fax) No.

Electronic Mail Identification (Email ID)

Form of Bid for Part II of the Bid Technical - Financial Part II of Bid

The Bidder shall fill in and load this form for Part II with the Technical Bid.

To [Name of Employer

Identification Number of Works: **Group No. HPFDR-.....**

Description of Works.

- 1-.....(Length-..... Km) District
- 2--.....(Length-..... Km) District
- 3-.....(Length-..... Km) District

Dear Sir

1. With full understanding that Part II of our bid will be opened only if I/ we qualify on the basis of evaluation in Part I of the Bid, we offer to execute the works described above, remedy any defects therein, and carry out the routine maintenance in conformity with the Conditions of Contract, Specifications, Drawings and Bills of Quantities accompanying in Part II of the Bid.
2. This Bid and your written acceptance of it shall constitute a binding contract between us. I/ we understand that you are not bound to accept the lowest or any bid you receive.
3. I/ we undertake to commence the works on receiving the Notice to Proceed with the Work in accordance with the Contract Conditions.
4. As mentioned in Part-I of my/our bid, I/we undertake to carry out the works of Routine Maintenance for five years after the Completion Date as per the rates offered by the Employer in the bid document.

Signature of Authorised Signatory

Name and Title of Signatory.....

Name of Bidder

Authorized Address of Communication.....

.....

Telephone Nos (Office)

Mobile No.

Facsimile (Fax) No.

Electronic Mail Identification (Email ID)

.

FORMAT FOR THE AFFIDAVIT OF CORRECTNESS

(NOTE: This affidavit should be on a non-judicial stamp paper of Rs.10/- and shall be attested by Magistrate/ Sub-Judge/ Notary Public)

I, (Name of the authorised representative of the bidder) son/daughter of resident of (Full address), aforesaid solemnly affirm and state as under:

1. I hereby certify that all the information furnished with the bid submitted online in response to notice inviting bid/tender number**and e-procurement notice No issued by** (Authority inviting bids) for the Construction and Up Gradation of roads under HPFDR-....
 - 1-.....(Length-..... Km) District
 - 2--.....(Length-..... Km) District
 - 3-.....(Length-..... Km) District
2. * I hereby certify that I have been authorised by (The bidder) to sign on their behalf, the bid mentioned in paragraph 1 above.

Deponent

Place:

Date:

*** Note: -**

4. S. No 2 above will not be applicable if the Bidder is an individual and is signing the bid on his own behalf.
5. Name and seal of the attestation officer (Magistrate/ Sub-Judge/ Notary Public) must be readable.
6. S.No. of register as well as registration number of Notary must be mentioned in all affidavit

Section 7

Bill of Quantities

Preamble

1. The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, Conditions of Contract, Specifications and Drawings.

2.1 For the construction of works, the quantities given in the Bill of Quantities are estimated and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued

- ~~(a) at the rates and prices tendered in the Bill of Quantities in the case of item rate tenders; and~~
- (b) at percentage rate above or below or at par of the Schedule of Rates as tendered by the Contractor.

2.2 For the routine maintenance of roads, there is lump sum amount for each year of maintenance per km. The payments will be based on satisfactory performance of routine maintenance activities.

3. The rates and prices tendered in the priced Bill of Quantities shall, except in so far as it is otherwise provided under the Contract, include all constructional plant, labour, supervision, materials, erection, maintenance, insurance, profit, taxes and duties, together with all general risks, liabilities and obligations set out in the Contract.

4. When percentage rate tenders are invited, the Bill of Quantities will show in the bidding documents, the quantities and rates used for different items.

Bill of Quantities for percentage rate bids

Note: - Bidder has to quote %age Above/Below or at par on-line at prescribed column/Row.

Sl. No.	Description of item (with brief specification and reference to book of specifications)	Quantity	Unit	Rate without GST		Amount
				In figures	In words	
	Other items as per attached BOQ in Excel Sheet					
Name of road: ....(Length-.... Km) District, width of carriage way ... m.						
	Routine Maintenance** after completion of construction works (Lump-sum Amount for each year Per Km.) For 1st year For 2nd year For 3rd Year For 4th Year For 5th Year		Km Km Km Km Km	----- ----- ----- ----- -----	----- ----- ----- ----- -----	
	Total				Rs.	

Continued to next page

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Name of road: (Length-... Km) District, width of carriage way m.						
Routine Maintenance** after completion of construction works (Lump-sum Amount for each year Per Km.) For 1 st year For 2 nd year For 3 rd Year For 4 th Year For 5 th Year						
			Km	-----	-----	
			Km	-----	-----	
			Km	-----	-----	
			Km	-----	-----	
			Km	-----	-----	
Total					Rs.	
Name of road: (Length-.... Km) District, width of carriage way m.						
Routine Maintenance** after completion of construction works (Lump-sum Amount for each year Per Km.) For 1 st year For 2 nd year For 3 rd Year For 4 th Year For 5 th Year						
			Km	-----	-----	
			Km	-----	-----	
			Km	-----	-----	
			Km	-----	-----	
			Km	-----	-----	
Total					Rs.	

** The per km amount for each year should be pre-specified by the Authority and the figure inserted here before inviting the Bid. Routine maintenance rates are exclusive of GST

*Employer to fill in the per km amount for maintenance in rate column only

Signature

Notes:

1. The Schedule of Rate is Estimated rate quoted in BoQ

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2. Wherever there is any discrepancy between the rate entered in the Bill of Quantities and the Schedule of Rates as per Note 1 above, the rate given in the Schedule of Rates will apply.
3. For Routine Maintenance, the unit rate indicated by the Authority shall apply. The Bidder is required to accept these rates. Further, the payment shall be performance based.

Section 8

Standard Forms

Letter of Acceptance and Other Forms

Standard Forms

(a) Letter of Acceptance

Notes on Standard Form of Letter of Acceptance

The Letter of Acceptance will be the basis for formation of the Contract as described in Clauses 29 and 30 of the Instructions to Bidders. This Standard Form of Letter of Acceptance should be filled in and sent to the successful Bidder only after evaluation of bids has been completed and approval of the competent authority has been obtained.

Office of the Engineer, HP Public Works Department ,
 Zone/Circle

Address -----

E-mail ID:..... Phone No

By Registered/Speed post /e-mail

Letter No.-

LETTER OF ACCEPTANCE

To,

Reference: - NIT*and e-procurement notice*
No. *dated*

Package No:- **HP-FDR-.....**

This is to notify you that on behalf of the Governor of HP, the Chief Engineer, HPPWD Zone had accepted your Bid dated for execution of the following Work for District/Circles mentioned below *and Routine Maintenance of the works for five years* for the Contract Price of Rupees

S. No	Name of Road	Length
1	.....District/Circle, width of carriage way ... m.	
2	.....District/ Circle, width of carriage way ... m.	
3	.....District/ Circle, width of carriage way ... m.	

for the contract Price of Rs -----+ GST ----- = Rs. ----- (-----.) as **Construction Cost** + Rs -----+ GST ----- = Rs. ----- (-----.) as **Maintenance cost** = **Total Cost** Rs -----+ GST ----- = Rs. ----- (-----.) is hereby accepted by our Agency.

1. You are hereby requested to furnish Performance Security, (and additional security for unbalanced bids in terms of ITB Clause **26.3**) [where applicable] in the form detailed in Cl. **30.2** of ITB for an amount of **Rs.**----- (**in words Rupees**-----) valid up to --- days from the date of

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expiry of Defects Liability Period i.e. up to ----- month for Performance Security and an amount of **Rs. ----- (in words- Rupees -----)** for unbalance security valid up to the construction period plus 45 days extra and sign the Contract within 10 days of the receipt of this Letter of Acceptance, If the Performance Security is in the form of a Bank Guarantee, the period of validity of Bank Guarantee could be one year initially, however, the Contractor would get this Bank Guarantee extended in such a way that an amount equal to the requisite Performance Security is always available with the Employer until 45 days after the lapse of Defects Liability Period failing which action as stated in Cl. 30.3 of ITB will be taken.

2. All Performance securities and Unbalance security will be duly pledged in the name of **Executive Engineer, HP Public Works Department, Division.....**

3. You are also requested to submit the work programme, List of Tools and Plants to be brought to site, Name of Technical Personnel to be deployed at site (if any), Name of borrow pits in case of Earth filling by cartage earth, Name of quarry from where the Stone Ballast will be brought to site.

4. You are also requested to submit the non-judicial stamp paper as per Government Order at the time of signing of agreement.

5. You are also requested to indicate your nominee as required under Clause **55.2** of the GCC.

6. You are requested to submit all original affidavit, Original Bank Credit Facility Certificate, Authority to seek references certificate issued from Bank. Original FORM OF BID FOR PART-I OF THE BID, FORM OF BID FOR PART-II OF THE BID, Original Affidavit for Correctness and all other original affidavit Submitted by you with your Bids.

Please be noted that in case of any document attached with your tender is found incorrect in any manner at any time, whatsoever then this acceptance letter will stand with drawn an action like FIR and Blacklisting shall be taken as per clause 32 of I.T.B of bidding document.

Yours faithfully

Chief Engineer
Himachal Pradesh Public Works Department
Zone

Copy-1. Executive Engineer, HPPWD division, -----.

2. Assistant Engineer, HPPWD division.....

3. DAO, HPPWD division, -----.

Chief Engineer
Himachal Pradesh Public Works Department
Zone

(b) Issue of Notice to Proceed with the Work
Executive Engineer, -----

_____ (Date)

To

_____ (Name and address of the Contractor)

Dear Sirs:

Pursuant to your furnishing the requisite Performance Security as stipulated in ITB Clause 30 and signing of the Contract for the construction of roads under FDR

1-.....(Length-..... Km) District,

2--.....(Length-..... Km) District,

3-.....(Length-..... Km) District,

Under Group No.and routine maintenance for five years after completion of construction, you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Contract Bond No.

Date of Start: - _____

Due Date of Completion of Construction Work: _____

Date of Start of Defect Liability Periods: _____

Due date of Completion of Defect Liability Periods: - _____

1- You have to submit Agreement of Additive Company with you on the date as specified in NIT and LOA.

2- You have to submit job mix report either issued by the Additive Company or IIT / CRRI to the Employer on or before the date as specified in NIT and LOA.

3- You have to establish Field Lab within 15 days of issue of this letter as per GCC clause 52.2 (i) of Contract Bond.

4- You have to inform to the Engineer in Charge before start of work regarding arrangement for storage of sensitive materials like Additive and Cement etc at site with access to Engineer in Charge of the site (EE, PMC, AE and JE) and other higher officers related to aforesaid works per GCC clause 22 of Contract Bond to ensure the quality of material.

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5- A material Stock Register and DTR (Daily Transaction Report) of issue and receipt of Additive as well as Cement will be maintained by your Engineer of the concerning road. A similar Stock and DTR register will also be maintained by Departmental site in charge Engineer. All these registers bearing page numbers will be issued by Executive Engineer/ Divisional Accounts Officer of the concerning PIU.

6- Assistant Engineer of the PIU will verify and counter sign the entries of Departmental as well as Contractor's registers.

7- You must submit the bills/invoice of the Additive and Cement mentioning the source of purchase and their test reports to the Engineer in Charge/PMC before using it on work.

8- You must provide access to the Engineer in Charge of the road(s) and its staff/PMC to the stock,

9- Higher officer of the PIU like Executive Engineer, Superintending Engineer and Chief Engineer will necessarily check-up above registers mandatorily during their visit and counter sign.

10- You have to maintain the daily logbook of Spreading of Additive as well Cement based on Tray Test at site, on the proforma prescribed by the Superintending Engineer which will be checked and verified by Engineer In charge.

11- You have to follow SOP (Standard Operating Procedure) issued by the NRIDA/UPRRDA/Employer/Engineer/PMC

Yours faithfully

(Name-----)
Executive Engineer,
HP PWD,
Division -----

Letter No and dates as mentioned above.

1. Divisional Accounts Officer, PIU -----.
2. Assistant Engineer, PIU -----
3. Executive Engineer, PIU -----.
4. Superintending Engineer, HPPWD..... Circle
5. Zonal Chief Engineer , HPPWDZone
6. Chief Engineer (PMGSY), HPGSDA Nirman Bhawan Shimla
7. C E O cum Engineer-In-Chief, HPPWD Nirman Bhawan Shimla

(Name-----)
Executive Engineer,
HP PWD,
Division -----

(c) Standard Form of Agreement

Notes on Standard Form of Agreement

The Agreement should incorporate any corrections or modifications to the Bid resulting from corrections of errors (Instructions to Bidders, Clause 26).

Standard Form: Agreement Agreement

This Agreement, made the _____ day of _____ 20_____,

between, _____ [name and address of Employer] (hereinafter called “the Employer”) of the one part, 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 Rupees.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expressions 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 and undertake routine maintenance for five years.

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3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and remedying the defects where in and undertaking routine maintenance for five years , the 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.
7. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
 1. Notice to proceed with the works;
 2. Letter of Acceptance;
 3. Notice inviting Tender
 4. Contractor's Bid Part I and Part II;
 5. Contract Data
 6. Special Conditions of Contract Part II,
 7. General Conditions of Contract Part I
 8. Specifications
 9. Drawings;
 10. Bill of Quantities; and
 11. Any other document listed in the Contract Data as forming part of the Contract.

In witness whereof, the parties thereto 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 _____

(d) Form of unconditional Bank Guarantee from Contractor for
_____ [To be specified by State]
PERFORMANCE BANK GUARANTEE

To: _____ [name of Employer]
_____ [address of Employer]

WHEREAS _____ [name and address of Contractor]
(hereinafter called "the Contractor") has undertaken, in pursuance of Contract 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 obligations 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]¹ _____ [in words], such sum being payable in Indian Rupees 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]¹ 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 or of the Works to be performed thereunder 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 (i.e.) 45 days from the date of expiry of the Defects Liability Period.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____

¹ An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract and denominated in Indian Rupees

PERFORMANCE BANK GUARANTEE (for unbalanced items)

To: _____ [name of Employer]
_____ [address of Employer]

WHEREAS _____ [name and address of Contractor] (hereinafter called "the Contractor") has undertaken, in pursuance of Contract 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 obligations 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] ¹ _____ [in words], such sum being payable in Indian Rupees 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]¹ 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 or of the Works to be performed thereunder 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 (i.e.) 45 days from the date of issue of the certificate of completion of works.

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____

1 An amount shall be inserted by the Guarantor, representing additional security for unbalanced Bids, if any and denominated in Indian Rupees.

BANK GUARANTEE FOR ADVANCE PAYMENT

To: _____ *[name of Employer]*
_____ *[address of Employer]*
_____ *[name of Contract]*

Gentlemen:

In accordance with the provisions of the Conditions of Contract, sub clause 51.1 ("Advance Payment") 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]*
¹ _____ *[in words]*.

We, the _____ *[bank or 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 objection on our part and without his first claim to the Contractor, in the amount not exceeding _____ *[amount of guarantee]*¹ _____ *[in words]*.

We further agree that no change or addition to or other modification of the terms of the Contract or of 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: _____

¹ An amount shall be inserted by the bank representing the amount of the Advance Payment, and denominated in Indian Rupees.