

PRESS NOTICE

PWD (B&R) DEPARTMENT HARYANA,
CHANDIGARH

APPLICATIONS ARE INVITED FOR THE ELIGIBLE CANDIDATES FOR APPOINTMENT/EMPANELMENT AS STATE QUALITY MONITORS (SQM) FOR INSPECTION OF PROJECTS TO BE EXECUTED BY PROJECTS IMPLEMENTATION UNITS (PIUs) FOR THE PROJECTS UNDER PMGSY SCHEME. The application along with detail instructions terms & conditions is available on website <http://haryanapwd.gov.in>. LAST DATE FOR THE SUBMISSION OF APPLICATIONS HAS BEEN EXTENDED UPTO 20.04.2021 UPTO 5.00 PM.

Executive Engineer (PMGSY)
Nirman Sadan, Sector- 33A,
Chandigarh.

Haryana Rural Roads and Infrastructure Development Agency
A Society of the Government of Haryana in Public Works (B&R) Department
Haryana PWD (B&R) Complex, Nirman Sadan, Plot No. 1,
Sector 33-A, Chandigarh.

**“ADVERTISEMENT FOR THE EMPANLMENT OF
OF SQM”**

1. INTRODUCTION

Ministry of Rural Development (MoRD) is implementing a major rural roads programme, known as PradhanMantri Gram SadakYojana (PMGSY), since December 2000. National Rural Infrastructure Development Agency (NRIDA) was created under the aegis of MoRD for providing overall administrative, technical, monitoring, management and programme support to the states in the execution of works. The State Governments are responsible for implementation of scheme in the state. A State Rural Roads Development Agency (SRRDA) has been created in each State for implementation of PMGSY. The responsibility of ensuring quality of works under this programme lies with the StateGovernment.

A three tier quality management mechanism is operational under PMGSY for ensuring that the quality of assets created, confirm to the prescribed standards and timely completion ofworks.

- i. The first tier of quality management mechanism is in house quality control system at the level of executing agencies, to ensure the implementation of quality standards by way of carrying out prescribed mandatory tests and maintaining the records of suchtests.
- ii. The second tier provides for quality monitoring through independent State Quality Monitors (SQMs). Para 11.5 of PMGSY Operation Manual provides that the function of the 2nd tier of independent quality management is to improve the quality and effectiveness of the enforcement process. This includes the checks to ensure that the 1st tier is properly functional, independent quality tests to verify that the quality control system is achieving its intended objective, detection of systemic flaws in the quality control process and action to improve the process. Thus, the State Governments are responsible for quality management through operationalization of the first twotiers.
- iii. The third tier consists of quality monitoring by independent National Quality Monitors (NQMs), empanelled by NRIDA. The role of the third tier is to provide guidance to field engineers and also to see whether the quality management mechanism in the State is effective.

A document on Comprehensive Guidelines for inspection of PMGSY projects by State Quality Monitors under 2nd tier was developed in consultation with States and prescribed in 2010. The Guidelines for Quality monitoring by SQMs under Second Tier of Quality Control Mechanism are available, under 'ARCHIVE' section of circulars, on the program website www.pmgysy.nic.in.

Online monitoring and reporting of quality was mandated for second and third tier, since 2010. All the State Governments have empanelled SQMs for second tier quality monitoring of works, depending on the volume of work with them.

Further, the second tier of quality monitoring by State Quality Monitors (SQMs) have significant stake in ensuring the overall quality of projects under the programme, therefore monitoring the performance of SQMs becomes equally critical for the programme. With the use of mobile application in Quality monitoring and change in form of reporting has warranted corresponding change in performance evaluation criteria of SQMs.

2. QUALIFICATIONS AND EXPERIENCE

Selection Criteria for Empanelment as State Quality Monitors (SQMs)

State quality monitors have been empanelled and are carrying out inspections of Roads as well as Long Span Bridges. Large numbers of long span bridges are now being constructed under PMGSY and as such separate SQMs for inspection of bridge works, having requisite experience of design and supervision/ construction of long span bridges. Candidates applying for empanelment as SQM for bridge works will have to provide a list of bridges designed and supervised / constructed by them.

It is also possible that some candidates have qualification and experience of design and construction/ supervision of both roads and bridge works. Such candidates can be considered for inspection of both roads and bridge works. However, such candidates will have to indicate their candidature for empanelment as SQM for inspection of roads or bridges or roads and bridges both, in their application.

2.1 Independent SQMs- Retired Engineers of State or Central Govt. Departments, PSUs, Retired or Serving Faculty Members of Govt. Engineering Colleges/ IITs/ NITs/ Govt. Research Institutes as SQMs

Criteria No. 1- The candidate should be a Graduate in Civil engineering from a recognized University.

Criteria No. 2

(i) – *For inspection of Road Projects*- The candidate should have retired from the post not below the level of Executive Engineer or equivalent from a Govt. organization, Central/State public sector undertakings (PSUs) or their subordinate offices. Retired or serving faculty members of government engineering colleges/IITs/NITs/Government research institutes, etc. who have worked/ consulted in the field of road construction, can also apply.

(ii) – *For inspection of Bridge projects* - The candidate should have retired from the post not below the level of Executive Engineer or equivalent from a Govt. organization, Central/ State Public sector undertakings (PSUs) or their subordinate offices. Retired or serving faculty members of Government engineering colleges / IITs/ NITs/ Government research institutes, associated with bridge design and supervision consultancy work, can also apply.

Criteria No. 3 - No applicant would be allowed to work as SQM after completing the age of 70 years. Therefore, the applicant should not have attained the age of 67 years on the last date of application so that the applicant is able to work as SQM for approximately 3 years, subject to satisfactory performance.

Criteria No. 4

(i) – *For inspection of Road Projects* - The candidate (retired Government engineer) should possess the experience of working in the field of construction of roads for at least 5 years in last 10 years before his retirement from government service. Also, in the last 5 years, he should have worked at least for 2 years in the field of roads (any field out of planning and designing, execution or management of construction or maintenance of roads). Retired or serving faculty members of government engineering colleges/ IITs/ NITs/ Government research institutes, should possess minimum 10 years experience in the field of planning/ design/ supervision/ execution/ consultancy of construction and maintenance of roads.

(ii) – *For inspection of Bridge Projects*- The candidate (retired Government engineer) should possess the experience of working in the bridge sector (any field out of planning / design / execution) for at least 8 years, out of which at least 4 years should be in execution of

bridge projects. Retired or serving faculty members of government engineering colleges/ IITs/ NITs/ Government research institutes should have minimum 08 years of experience of design / supervision consultancy of bridge projects. The candidates would be required to furnish the list of bridge works in which they were associated at the planning / design/ execution/ supervision/ consultancy level.

Criteria No. 5 - Recommending Authority:

The candidate (retired *Government engineer and retired or serving faculty members*) should have been recommended by the concerned State Government or by Government of India organizations, administrative head of the PSUs or head of the institute (as applicable), clearly indicating that his integrity is not questionable.

Criteria No. 6 - The candidate should be willing to work as State Quality Monitor with high ethical standards and sign the code of conduct. The candidate shall not inspect any work executed under his supervision or chain of command.

Criteria No. 7- The reporting is to be done through web and mobile based application. The candidate, therefore, should have working knowledge of computers and smart phones or be willing to learn the same within the stipulated time.

2.2 Departmental SQMs- Serving Engineers of Independent Quality Management Divisions of Executing Agencies of State Govt's Nodal Department as SQMs

Criteria No. 1 - The candidate should be a Graduate in Civil Engineering from a recognized University.

Criteria No. 2

(iii)– *For inspection of Road Projects*- The candidate should be working not below the level of Executive Engineer or equivalent in a Govt. organization, Central/State public sector undertakings (PSUs) or their subordinate offices and having experience of working in the field of construction / supervision of roads for at least 5 years in last 10 years.

(iv) – *For inspection of Bridge projects* - The candidate should be working not below the level of Executive Engineer or equivalent in a Govt. organization, Central/State public sector

undertakings (PSUs) or their subordinate offices having experience of working in the field of construction / supervision of bridges for at least 4 years in last 8years.

Criteria No. 3 - Recommending Authority:

The candidate should have been recommended by Chief Engineer of the concerned State Government or by Government of India organizations, administrative head of the PSUs, clearly indicating that his integrity is not questionable. The CE should also certify that there are no departmental proceedings / allegations/ complaints about bad quality/ financial irregularities, pending against the candidate.

Criteria No. 4 - The candidate should be willing to work as State Quality Monitor with high ethical standards and sign the code of conduct. The candidate shall not inspect any work executed under his supervision.

Criteria No. 5- The reporting is to be done through web & mobile based application. The candidate, therefore, should have working knowledge of computers and smart phones or be willing to learn the same.

3. DUTIES OF SQMs:-

SQM are required to carryout inspections and upload the same on OMMAS through web & mobile app based application. The inspection proforma is also detailed as under:-

3.1 ON GOING OR COMPLETED WORKS

1. QUALITY ARRANGEMENTS-OBSERVATIONS (In Case of ongoing works only):

Observations:

#	Whether Field laboratory Established (Y/N)	Whether necessary Equipments available (Y/N)	Whether Equipments have been used (Y/N)

Grading:Grade: S RI Ulf this item is graded RI/U, write clear reasons and suggestions for improvement:

2. ATTENTION TO QUALITY: (In Case of ongoing works only):

Observations – Item 2a: Maintenance of QC Registers:

#	Based on executed quantities whether all mandatory tests conducted. <div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;"> Yes Partly No </div>	Whether QC Register Part I maintained as per provisions. <div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;"> Yes Partly No </div>	Whether QC Register Part II maintained and test results monitored as per provisions. <div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;"> Yes Partly No </div>

Observations – Item 2b: Verification of Test Results (P – conforms, F – does not conform):

#	Name of Test	Results of the test conducted by NQM at a defined location.(P/F)	Test result as per QC Register at the same location. (Mention the Page No. of QC Register also)(P/F)	Whether the test results recorded in QC register found correct? (Y/N)

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Grade: **SRIU** If this item is graded RI/U, write clear reasons and suggestions for improvement:

3. GEOMETRICS: The NQM should take at-least two measurements in 1 Km length and if it is found that the roadway and carriageway is inadequate NQM may take more observations:

Observations – Item 3 a, b and c: Road way width, Carriage way and Camber.

Ref. RD	Roadway Width (m)	Carriageway Width (m)	Ref. RD	Roadway Width (m)	Carriageway Width (m)

Observations – Item 3 d: Superelevation and Extra Widening at curves.

Ref. RD	Super Elevation	Extra Widening provided (Y/N)	Ref. RD	Super Elevation	Extra Widening provided (Y/N)

Observations – Item 3 e: Longitudinal Gradient in case of road in hilly/rolling terrain:

Ref. Between RD...& RD...	Longitudinal Gradient	S/U	Ref. Between RD...& RD...	Longitudinal Gradient	S/U

Grade: S U If this item is graded U, write clear reasons and suggestions for improvement:

OBSERVATIONS REGARDING THE QUALITY OF ITEMS OF WORK:

4 Earthwork:

Observations – Item 4 a Quality of Material for Embankment/ Sub-grade:

#	Location (RD)	On Visual Classification identify the Group Symbol and write	Quality of material is acceptable. (Y/N)

Grade: S U If this item is graded U, write clear reasons and suggestions for improvement:

Observation – Item No. 4 b: Workmanship for Embankment and Sub-grade Construction:

#	Location (RD)	MDD kN/m ³ (As per record)	Field Moisture Content	Degree of Compaction		
				Field Density kN/m ³	Dry Density kN/m ³	Compaction adequate. (Y/N)

Grade:	S	U	If this item is graded U, write clear reasons and suggestions for improvement:

Observation – Item No. 4 c, Side slopes and profile:

#	Location (RD)	Whether Side Slopes Satisfactory (Y/N)	Whether profile is Satisfactory (Y/N)

Observations- Item No. 4 d and e, Earth work in Hilly/Rolling terrain or high Embankments:

#	Location (RD)	Cut Slopes & Profile, whether appears to be stable. (Y/N)	Adequate slope protection works executed. (Y/N)	Formation is properly dressed and traffic worthy. (Y/N)

Grade:	S	U	If this item is graded U, write clear reasons and suggestions for improvement:

5. Sub-Base:

Observations- Item No. 5 a, b, c and d, Quality of Material and Workmanship:

#	Location (RD)	Confirms to Grading. (Y/N)	Suitable from plasticity angle. (Y/N)	Whether compaction is adequate. (Y/N)	Observed Thickness of Layer (in mm)	Prescribed Thickness provided (Y/N)

Grade:	<input type="checkbox"/> S	<input type="checkbox"/> U	If this item is graded U, write clear reasons and suggestions for improvement:

6. Base Course:

Observations- Item No. 6 a, b, c and d, Quality of Material and Workmanship of WBM:

#	Location (RD)	Thickness of each layer of WBM (mm)	Thickness is adequate. (Y/N)	Aggregate confirms to Grading (Y/N)	Filler material is non-plastic to desired extent. (Y/N)	Volume of filler material percent of course aggregate	Whether adequate compaction is done. (Y/N)

Grade:	<input type="checkbox"/> S	<input type="checkbox"/> U	If this item is graded U, write clear reasons and suggestions for improvement:

7. Bituminous Course: Premix Carpet/Surface Dressing/ BM/ MPM etc including Seal Coat: Observations- Item No. 7 a, b, and c, Quality of Material and Workmanship of BT Layer (in case of ongoing works):

#	Location (RD)	Whether Course Aggregate confirms to grading. (Y/N)	Whether the binder is of approved grade. (Y/N)	Write Mixing Temperature and whether it is in permissible limits. (Y/N)	Write Laying Temperature and whether it is in permissible limits. (Y/N)

Grade: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="width: 20px; text-align: center;">S</td> <td style="width: 20px; text-align: center;">U</td> </tr> </table> If this item is graded U, write clear reasons and suggestions for improvement:	S	U
S	U	

Observations- Item No. 7 d and e, Workmanship of BT layer (in case of completed works):

#	Location (RD)	Thickness		Whether surface evenness is within acceptable limits. (Y/N)
		Thickness in mm	Whether thickness is adequate. (Y/N)	

Grade: <table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="width: 20px; text-align: center;">S</td> <td style="width: 20px; text-align: center;">U</td> </tr> </table> If this item is graded U, write clear reasons and suggestions for improvement:	S	U
S	U	

8. Observations- Item No. 8 a and b, Quality of Shoulders (in case of completed works):

#	RD of observation	Whether general quality of the material is acceptable. (Y/N)	Whether general quality of workmanship is acceptable. (Y/N)	Whether Camber in Shoulders is adequate (Y/N)

9. Cross Drainage Works: Observations Item No. 9 a and b, Quality of CDs:

#	RD at which CD is located	Type of CD	Whether general quality of the material is acceptable. (Y/N)	Whether general quality of workmanship is acceptable. (Y/N)

Grade:

S	RI	U
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 If this item is graded RI/U, write clear reasons and suggestions for improvement:

10. Side Drains and Catch water Drains: Observations:

#	Reference of RDs where side drain constructed.	RD at which observation made.	Whether general quality of the side drains/ catch-water drains is acceptable. (Y/N)	Whether side drains are integrated to cross drains. (Y/N)

Grade:

S	RI	U
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 If this item is graded RI/U, write clear reasons and suggestions for improvement:

11. CC/ Semi-Rigid (SR) Pavements and Associated Pucca Side Drains: Item No. 11 a, b, c and d:

#	Reference of RDs, CC/SR Pavements provided.	RD at which observation made.	Thickness		General quality of material is acceptable. (Y/N)	General quality of workmanship acceptable(Y/N)
			Thickness in mm	Acceptable(Y/N)		

Grade: S U If this item is graded U, write clear reasons and suggestions for improvement:

12. Road Furniture and Markings

Observations - Item No. 12 a: Quality Road Furniture and Markings (in case of ongoing/completed works):

Main Informatory Board Fixed: Yes No

Citizen Information Board Fixed: Yes No

Grade: S U If this item is graded U, write clear reasons and suggestions for improvement:

Observations - Item No. 12 b: Quality Road Furniture and Markings (*in case of completed works*):

i.	Logo Boards Fixed:	Yes	No
ii.	200m. Stones fixed:	Yes	No
iii.	1 Km. Stone fixed:	Yes	No
iv.	Guard Stones fixed on Curves:	Yes	No
v.	Mandatory and Cautionary Signage	Yes	No

Grade: If this item is graded U, write clear reasons and suggestions for improvement:

13. General Observations of SQM, (including the observations made during the interaction with PIU staff and Contractor/ Consultant Engineers):

- a. Observations about deficiency in project preparation (Give detailed observations about deficiencies in general and items which have been left but are required as per site conditions):
- b. Whether the work has been completed/is in progress as per work programme or the delay has occurred. If delay has occurred, whether the liquidated damages have been withhold or recovered:
- c. Whether the work has been completed within the sanctioned cost, if not, what is the action taken by the PIU (*in case of complete works*):
- d. Observations about the action taken by the PIU on the observations of inspecting officers including SQMs and NQMs. (Clearly offer comments about the action taken on the observations of Departmental Officers, State Quality Monitors and National Quality Monitors).

- e. Comments about difference in observations made by NQMs/SQMs in earlier inspections (the NQM shall study the earlier inspection reports of NQMs / SQMs, if any and offer his clear comments about the differences in observations, if any).

14. Other observations, if any:

3.2 Periodic Maintenance

1	Name of Item/ Activity: Maintenance of road in respect to Restoration of rain cuts as per clause 1902 of the Specifications and Cutting of branches of trees, shrubs and trimming of grass and weeds etc as per clause 1914 of the Specifications.	
a	Observations: What is the condition of Roads in respect to this item:	
b	Grading for the above item	S / U
2	Name of Item/ Activity : Restoration of rain cuts and dressing of berms as per clause 1902 of the Specifications and making up of shoulders as per clause 1903 of the Specifications	
a	Observations: What is the condition of Roads in respect to this item :	
b	Grading for the above item	S / U
3	Condition of Pavement including filling pot holes and patch repairs etc as per clause 1904, 1905 and 1906 of the Specifications.	

a	Observations: What is the condition of Roads in respect to this item (Detailed observations should be made as to whether the pavement has potholes, cracking, releveling etc which is causing disturbance/discomfort in driving ? if yes, whether these defects have been repaired properly under routine maintenance:				
b	Observations: What is the pavement condition index (PCI) as per annexure 14.7 para 14.9 of Operations manual?	5	4	3	< 3
c	Grading for the above item		S / U		
4	Name of Item/ Activity : Maintenance of drains as per clause 1907 of the Specifications, Maintenance of culverts and cause ways as per clause 1908 and 1909 of the Specifications				
a	Observations: What is the condition of Roads in respect to this item :				
b	Grading for the above item		S / U		
5	Name of Item/ Activity: Maintenance of road signs as per clause 1910 of the Specifications and White washing guard stones, Re-fixing displaced guard stones, White washing parapets of C.D. Works				
a	Observations: What is the condition of Roads in respect to this item:				
b	Grading for the above item		S / U		
6	Name of Item/ Activity: Maintenance of guard rails and parapet rails as per clause 1911 of the Specifications, Maintenance of 200 m and Kilo Meter stones as per clause 1912 of the Specifications.				

a	Observations: What is the condition of Roads in respect to this item :	
b	Grading for the above item	S / U
7	Over all grading	S/ SRI/ U

4. Honorarium and Travelling Allowance

Sr. No.	Items	Rates
1	Honorarium	Rs. 3500/-
2	Taxi/own car charges	Rs. 16/- per km
3	Mileage allowance	Rs. 350/- per journey
4	Daily allowance	Rs. 500/- per day
5	Lodging charges	Rs. 3500/- for principal cities and Rs. 2500/- in other cities subject to production of receipts.

4. TIME/PERIOD

It will depend on assessment of independent panel evaluators of SQM performance as mentioned in comprehensive guidelines for empanelment and performance evaluation of SQMs under PMGSY at Sr. No. 8 & 11(available under archive section of circulars on program website www.pmgysy.nic.in).

5. SELECTION CRITERIA

The State Quality Monitors would be empanelled based on qualification, experience, achievements and personal interview, which can also be held through video conferencing, by a selection committee, which will have the following composition:

- i. Chief Executive Officer(CEO),SRRDA - Chairman
- ii. Engineer in Chief (E-in-C) or ChiefEngineer(CE)-
(Whoever is in-charge of PMGSY works) Member
- iii. Technical Expert, Coordinator ofPTA/STA
(Professor/ Associate Professor) - Member
- iv. One serving or retired officerofIndian
Administrative Service(IAS) - Member
(Nominated by ACS/ Principal Secretary, in-charge of PMGSY)
- v. NQMEmeritus - Member
- vi. State QualityCoordinator(SQC) - Member & Convener

It is further brought out that, out of the three external members of selection committee listed at serial numbers (iii), (iv) and (v) above, at least two members would be present in the meeting. The committee will analyses the CVs, short list and call for interviews, such number of candidates as deemed fit, conduct personal interviews, which can also be held through video conferencing. Candidate as well as members of selection committee can also attend the selection committee meeting through VC.

6. DATE OF SUBMISSION FORAPPLICATION

The SQMshould submit their application form (enclosed as Annexure -1) along with supporting documents in the office of the **State Quality Coordinator-cum-Superintending Engineer(PMGSY) Room No. 410 (3rd floor) NirmanSadon, Haryana PWD (B&R) Complex, Plot No.1, Sector 33-A, Chandigarh-160020latest by 20.04.2021 at 5.00 PM.**

HaRRIDA (PMGSY) reserves the right to reject all or any of application without assigning any reason thereof.

**Issued by
Executive Engineer-cum-
Treasurer, HaRRIDA**