

राजस्थान सरकार
ग्रामीण विकास एवं पंचायती राज विभाग
(ग्रामीण विकास, अनुभाग-5)

क्रमांक: एफ 27(41) ग्रावि-5/इ.आ./जीकेएन/क्यू.सी./2014-15 जयपुर, दिनांक

जून, 2015

--:: अभिरूचि की अभिव्यक्ति ::--

ग्रामीण विकास योजनाओं के अंतर्गत कराये गये/प्रगतिरत निर्माण कार्यो के निरीक्षण कर गुणवत्ता जांच आदि एवं आवास योजनाओं अंतर्गत निर्मित कराये गये/प्रगतिरत आवासों के भौतिक सत्यापन करवाने हेतु सेवानिवृत्त सिविल/कृषि अभियंता, रजिस्टर्ड तकनीकी संस्था/एजेन्सी, सरकारी/मान्यता प्राप्त गैर-सरकारी सिविल इंजीनियरिंग डिप्लोमा/डिग्री कॉलेज, रजिस्टर्ड गुणवत्ता परीक्षण प्रयोगशाला आदि को सूचीबद्ध करने हेतु रूचि अभिव्यक्ति आमंत्रित की जाती है।

उक्त सम्बन्ध में पात्रता व निर्माण कार्यो के गुणवत्ता जांच एवं आवास योजनाओं अंतर्गत आवासों के भौतिक सत्यापन जॉब आउट सोर्सिंग बेसिस पर करवाने का विवरण विस्तृत अभिरूचि की अभिव्यक्ति दस्तावेज वेब-साईट (www.rdprd.gov.in) (www.rajpanchayat.gov.in) (www.sppp.raj.nic.in) से प्राप्त किया जा सकता है। पूर्ण प्रस्ताव (Offer) मय अनुभव सम्बन्धित दस्तावेज/प्रमाण-पत्रों एवं आवेदित पंचायत/पंचायत समिति के विवरण के साथ कार्यालय अध्यक्ष, ग्रामीण विकास विभाग, उत्तर-पश्चिम भवन, शासन सचिवालय, जयपुर को दिनांक 15.07.2015 को सांय 5.00 बजे तक सील बंद लिफाफे में आवश्यक रूप से प्रस्तुत कर दिये जावे, इसके पश्चात् प्राप्त प्रस्तावों (Offer) पर कोई विचार नहीं किया जावेगा। पूर्व में जिन व्यक्तियों एवं संस्थाओं द्वारा ऑफर ऑफ सर्विस प्रदान किया जा चुका है, उन्हें पुनः आवेदन करने की आवश्यकता नहीं है वरन् पूर्व में प्रेषित ऑफर ऑफ सर्विस सम्बन्धित दस्तावेजों में यदि कोई परिवर्तन/संशोधन किया जाना है अथवा कोई सूचना/दस्तावेज संलग्न किया जाना है तो उक्त सूचना/सम्बन्धित दस्तावेज उपरोक्त वर्णित तिथि तक उनके द्वारा सील बन्द लिफाफे में प्रस्तुत किया जा सकता है।

अधीक्षण अभियन्ता, (ग्रावि)

Government of Rajasthan

Rural Development & Panchayati Raj Department

Quality Inspection of RD&PR Construction Works

This Document consists of following Parts

- 1. Expression of Interest**
- 2. Documents to be submitted by interested parties in support of their offer**

Part 1.Expression of Interest

Objective It has been decided to prepare a panel of retired Civil/Agricultural engineers ,registered technical institutions/Agencies, Government/ approved Private engineering colleges offering degree/diploma civil engineering courses ,registered Quality control test labs etc. to carry out Quality related inspections of construction works & physical verification of Indira Awaas Yojna & other Rural BPL Housing Schemes being implemented by Panchayati Raj institution (PRIs) hence forth called evaluation party (EP) . EP are expected to carry out quality evaluation of works on random basis to ensure quality.

Eligibility criterion of EP :- EP must have following qualification & experience or should employ qualified & experienced persons .

Retired Engineers as EP :- at least holding post of Assistant engineer at the time of their retirement & not more than 65 years of age at the time of application , willing & physically fit enough to undertake site visits in rural areas .

EP other than retired engineer:- At least Bachelor's Degree in Civil/Agricultural engineering having relevant work experience of

minimum 10 Years. EP already working for any government agency may be given relaxation in minimum work experience. No person, however, shall be older than 65 years of age.

Scope of Work :-Works falling under category of Buildings/CC road/Interlocking Block Pavement /Culvert/ Anicut / physical verification of Indira Awaas Yojna & other Rural BPL Housing Schemes (IAY).

Place of work:- EP can be assigned work anywhere in the state & deptt's decision in this regard shall be final .

Allotment of work :- Any retired engineer from state/central govt./professional agency who qualifies the above mentioned criterion can apply to become EP. A roster of such EPs shall be maintained at State level. Superintending Engineer (S.E.)/Project Director (PD) concerned of scheme/ programme at headquarter Shall allot the evaluation work to EP on rotational basis in order to ensure transparency. At the start of each year, a fresh roster shall be maintained. When Rotation gets exhausted during the year, deptt. Will restart the allocation as per roster again.

Methodology of evaluation, its reporting: - SE/PD in charge of Scheme at state hq of concerned scheme/program will act as a Nodal Officer to coordinate between EP and concerned ZP & concerned XEN incharge at ZP shall be responsible to provide information related with work to EP & further arrangements in district.

EP shall assess the Quality of construction in terms of quality of material & workmanship, leakage, cracks, etc. for specified category of the sanctioned works of year 2014-15 .The quality assurance means assuring workmanship and quality of construction materials / mortar / concrete being used. EP will furnish evaluation report in form of Tools of evaluation At Annexure-1 during execution at different stages or stage of his visit as the case may be , for Buildings/CC road/Interlocking Block Pavement /Culvert/ Anicut as per norms .It may be noted that

Annexure-1 is suggestive & is subject to change in consultation with EPs.

EP shall evaluate site selection, use of appropriate cost effective technology, Selection of design and materials & workmanship for construction, converged activities , finishing & fund transfer to beneficiaries etc. in case of IAY . The EP shall highlight the problem area if any, and also suggest steps / solutions for the same so as to achieve the overall target of quality assurance.

EP shall submit its evaluation report in Annexure -1 to XEN of concerned ZP with copy to Aen concerned. Aen concerned after receiving report shall submit a compliance report at annexure-2. A Record of such reports & their compliance shall be maintained at ZP . EP should immediately point out and report to the concerned XEn in case of any discrepancy / error / omission of urgent nature, and shall give suggestions and remedial measures. Corrective measures are to be taken immediately at the site for Quality Assurance. EP will not use the data and findings elsewhere without written consent of ZP.

Release of payment:- After receiving satisfactory evaluation report from EP & submission of bill, payment shall be made by ZP concerned within two week time & a monthly information report of reports received & payment released shall be submitted to S.E./PD concerned at state hq by ZP concerned. EP shall be paid a fixed amount in stages of inspection (As per norms) for each work to be evaluated. Full & final payment shall be released after final inspection report submission. No other/ separate payment shall be made. Payment shall be made from funds available under concerned scheme/Programme. EP will have to arrange all field & lab tests required with assistance of field staff (A suggestive list is annexed at Annexure-3). Bills of such tests conducted at designated rates of Engineering colleges/govt. agencies concerned shall be paid separately & will be produced along with main bill. **It may be noted that satisfactory report will mean all related information/comments have been entered in the report with care and diligence & are not ambiguous/vague in nature. In no case, the superficial inspection/observations would be accepted.**

Disputes redressal:- A joint committee of Additional Chief Engineer & Financial Advisor & S.E./PD concerned shall decide all matters of disputes related with works & payment & decision of the committee shall be final & binding to all parties related with disputes.

Disclaimer:- RD &PR Department shall have all rights to alter / relax/change/abolish any conditions /work & include same, wherever deemed suitable, without assigning any reasons .

Tools of Evaluation (Evaluation report) (for CC Road) Annexure-1

EP-----

Check List IIIrd Party Evaluation & Quality Assurance

Stages Subgrade/Subbase/Concrete lean base/Concrete pavement /Post Construction

Name of village & GP: -

Name of Work: -

Estimated Cost (As per Sanction) Sanction Year-----

Date of Start

Date of checking/Evaluation

Present physical status of work

Review of the Planning process/Pre-construction activity

| S.No. | Particulars | Present Status |
|-------|-----------------------------------|----------------|
| (i) | Layout given by | |
| (ii) | Availability of AS/ FS&TS with GP | |
| (iii) | Funds availability | |
| (iv) | Availability of material | |

1.Site selection

2.. Records

| S. No. | Particulars | Available (Y/N) | Maintained regularly (Y/N) |
|--------|--------------------------|-----------------|----------------------------|
| (i) | Drawings | | |
| (ii) | Estimates | | |
| (iii) | Material stock Register | | |
| (iv) | Work Inspection Register | | |
| (v) | Work File | | |
| (vi) | Muster roll(if required) | | |

3.Material

| S.No. | Particulars | Total Quantity Reqd. | Quantity at site | Quarry/ Make | Quality satisfactory (Y/N) |
|-------|-------------|----------------------|------------------|--------------|----------------------------|
| (i) | Murram | | | | |
| (ii) | Aggregate | | | | |
| (iii) | Cement | | | | |
| (iv) | Sand | | | | |
| (vi) | other item | | | | |

4. Execution

A.Workmanship

| S.No | Stage | Particulars | Yes/No | Remark |
|-------|--------------------|--|--------|--------|
| (i) | Sub grade | Proper width & Depth, of the excavation ,where required | | |
| (ii) | | Proper sub grade prepared with camber, slope etc. maintained | | |
| (i) | Sub base | GSB staked & measured before laying | | |
| (ii) | | Proper gradation of GSB | | |
| (iii) | | Proper levelling of GSB. | | |
| (iv) | | Proper Compaction of GSB | | |
| (i) | Lean Concrete base | Plastic sheet of 125 micron thickness provided as a separation layer between sub base & concrete layer | | |
| (ii) | | Cement concrete deposited on sub base in required depth & width | | |
| (iii) | | concrete compacted by vibrator properly | | |
| (i) | Concrete Pavement | Forms removed after specified period | | |
| (ii) | | Verification of thickness during laying | | |
| (iii) | | Joint cutting done properly & filled by bitumen properly. | | |
| (vi) | | Proper Pavement thickness maintained | | |
| (vii) | | Proper watering done by ponding on surface & spraying water on covered surface etc | | |

| | | | | |
|------|-------------------|-------------------------------|--|--|
| (i) | Post construction | slabs having cuts? pl specify | | |
| (ii) | | Quality of Ride | | |

B.Quality of Material (material General Test are at Annexure-1)

Field Tests

Lab Tests

(Lab test report to be enclosed when received)

Action taken for assuring the quality

Use of machines

Remarks to be noted for compliance :-

Received

EP

JEn/ Aen
Block-----

Tools of Evaluation (for building works) Annexure-1

EP-----

Check List (Building works 2014-15)

IIIrd Party Evaluation & Quality Assurance

1st VISIT - Foundation & Plinth

District

Block

1. Name of village & GP: -
2. Name of Work: -
3. Estimated Cost (As per Sanction) Sanction Year-----
4. Date of Start
5. Date of checking/Evaluation
6. Present physical status of work
7. Review of the Planning process/Pre-construction activity

| S.No. | Particulars | Present Status |
|-------|---------------------------------|----------------|
| (i) | Layout given by | |
| (ii) | Availability of AS/FS&TSwith GP | |
| (iii) | Funds availability | |
| (iv) | Availability of material | |

8. Site selection

9. Records

| S. No. | Particulars | Available (Y/N) | Maintained regularly (Y/N) |
|--------|--------------------------|-----------------|----------------------------|
| (i) | Drawings | | |
| (ii) | Estimates | | |
| (iii) | Material stock Register | | |
| (iv) | Work Inspection Register | | |
| (v) | Work File | | |
| (vi) | Muster roll(if required) | | |

10. Materials

| S.No. | Particulars | Quality satisfactory (Y/N) | Remarks |
|-------|------------------|----------------------------|---------|
| (i) | Sand | | |
| (ii) | Stone | | |
| (iii) | Bricks | | |
| (iv) | Cement | | |
| (v) | Coarse aggregate | | |
| (vi) | Steel | | |
| (vii) | Other | | |

11. Execution

(A) Workmanship

Foundation & Plinth up to DPC level stage

| S.No | Particulars | Yes/No | Remark |
|--------|--|--------|--------|
| (i) | Proper width, Depth, of the foundation earth work. | | |
| (ii) | Proper width, Depth, of the foundation Concreting. | | |
| (iii) | Proper width, Depth, of the foundation Masonry work. | | |
| (iv) | Type of DPC | | |
| (v) | Centre line being maintained | | |
| (vi) | Proper Depth of DPC. | | |
| (vii) | Proper width of DPC. | | |
| (viii) | Details of steel used in DPC. | | |
| (ix) | Proper side refilling/filling soil upto plinth with compaction and watering. | | |
| (x) | Work carried out according to drawing & specifications. | | |
| (xi) | Proper & effective curing done | | |

(B) Quality of Material

Field Tests

Lab Tests

(Lab test report to be enclosed when received)

Action taken for assuring the quality

Remarks to be noted for compliance :-

Received

EP

JEn/ Aen
Block-----

EP-----
 Check List (Building works 2014-15)
IIIrd Party Evaluation & Quality Assurance
2nd VISIT - Up to Lintel Level
District
Block

1. Name of village & GP: -
2. Name of Work: -
3. Date of checking/Evaluation
4. Present status
5. Records

| S. No. | Particulars | Available (Y/N) | Maintained regularly (Y/N) |
|--------|--------------------------|-----------------|----------------------------|
| (i) | Material stock Register | | |
| (ii) | Work Inspection Register | | |
| (iii) | Work File | | |
| (iv) | Muster roll(if required) | | |

6. Materials

| S.No. | Materials | Quality satisfactory (Y/N) | Remarks |
|-------|------------------|----------------------------|---------|
| (i) | Sand | | |
| (ii) | Stone | | |
| (iii) | Bricks | | |
| (iv) | Cement | | |
| (v) | Coarse aggregate | | |

Execution

(A) Workmanship

Up to Lintel level stage

| S.No | Particulars | Yes/No | Remark |
|-------|-----------------------------------|--------|--------|
| | Masonry-Stone/Brick | | |
| (i) | Walls are vertical. | | |
| (ii) | Proper mortar mix. | | |
| (iii) | Header used (as required). | | |
| (iv) | Through Stone used (as required) | | |

| S.No | Particulars | Yes/No | Remark |
|--------|--|--------|--------|
| (v) | Proper Size of lintel. | | |
| (vi) | Proper thickness of lintel. | | |
| (vii) | Proper Bearings of lintel. | | |
| (viii) | Proper & effective curing done | | |
| (ix) | If RCC ring beam used, details (thickness, Reinforcement) | | |
| (x) | Openings as per Drg. | | |
| (xi) | Racking of joints | | |
| (xii) | Lintel Level maintained | | |
| (xiii) | Use of Bed Plates in pillars | | |

(B)Quality of Material

Field Tests

Lab Tests

(Lab test report to be enclosed when received)

Action taken for assuring the quality

Remarks to be noted for compliance:-

Received

EP

Jen/Aen
Block-----

Format- III

EP-----
IIIrd Party Evaluation & Quality Assurance
3rd VISIT - Up to Roof Level
District
Block

1. **Name of village &GP : -**
2. **Name of Work:-**
3. **Date of checking**
4. **Present status**
5. **Records**

| S. No. | Particulars | Available (Y/N) | Maintained regularly (Y/N) |
|--------|---|-----------------|----------------------------|
| (i) | Material stock Register | | |
| (ii) | Work Inspection Register | | |
| (iii) | UC / Application for funds in Work file | | |
| (iv) | Muster Roll (if applicable) | | |

6. Materials

| S.No. | Materials | Quality satisfactory (Y/N) | Remarks |
|-------|------------------|----------------------------|---------|
| (i) | Sand | | |
| (ii) | Stone | | |
| (iii) | Bricks | | |
| (iv) | Cement | | |
| (v) | Coarse aggregate | | |
| (vi) | Other | | |

7. Execution Up to Roof stage

| No | Particulars | Yes/No | Remark |
|-----|--|--------|--------|
| | Stone slab roofing | | |
| (i) | Multiple stone patti in between lintel level & roof level (so to cut the roof load directly to come to the main lintel). | | |

| No | Particulars | Yes/No | Remark |
|-------|--|--------|--------|
| (ii) | Stone patti Jodhpur/ Bijoliya free from crack or other defects | | |
| (iii) | Proper kharanja with 2.5cms thick x5-7cms length stone depth 6to10cms. | | |
| (iv) | Specification/item executed over stone slab/RCC roof/roof treatment. | | |
| (v) | Proper & effective curing done. | | |
| (vi) | Work carried out according to drawing & specifications. | | |
| | RCC ROOFING | | |
| (i) | Concrete mix for RCC Roofing | | |
| (ii) | Shuttering & Cover Blocks | | |
| (iii) | Placement of Steel cage as per Design | | |
| (iv) | Placement of concrete | | |
| (v) | Use of Mixer & Vibrator(Plate&Nidle) | | |
| (vi) | Curing | | |
| (vii) | Bed Plates below Beam Bottom | | |

(B)Quality of Material

Field Tests

Lab Tests

(Lab test report to be enclosed when received)

Action taken for assuring the quality

Remarks to be noted for compliance:-

Received

EP Jen/Aen
Block-----

EP-----
 Check List (Building works 2014-15)
IIIrd Party Evaluation & Quality Assurance
4th VISIT - Up to Finishing Level
District
Block

1. Name of village & GP: -
2. Name of Work:-
3. Date of checking
4. Present status
5. Records

| S. No. | Particulars | Available (Y/N) | Maintained regularly (Y/N) |
|--------|-----------------------------|-----------------|----------------------------|
| (i) | Material stock Register | | |
| (ii) | Work Inspection Register | | |
| (iii) | Work file | | |
| (iv) | Muster roll (if applicable) | | |

8. Materials

| S.No. | Particulars | Total Quantity Reqd. | Quantity at site | Quarry/ Make | Quality satisfactory (Y/N) |
|-------|------------------|----------------------|------------------|--------------|----------------------------|
| (i) | Sand | | | | |
| (ii) | Stone | | | | |
| (iii) | Bricks | | | | |
| (iv) | Cement | | | | |
| (v) | Coarse aggregate | | | | |
| (vi) | Other | | | | |

9. Execution

(A) Workmanship

Up to Finishing stage

| | | | |
|--------|---|--------|--------|
| (i) | Proper thickness of plaster. | Yes/No | Remark |
| (ii) | Proper verticality of plaster (test by plumb & cross thread) | | |
| (iii) | Proper curing. | | |
| (v) | Proper size & thickness door & window shutters & they are properly opened & shut. | | |
| (vi) | Proper size and material of chaukhats/door frames | | |
| (vii) | Proper Kharanja and PCC under Floor with compaction. | | |
| (viii) | Proper slope of floor. | | |

Tools of Evaluation (for interlocking CC block) Annexure-1

EP-----

Check List 2014-15)

IIIrd Party Evaluation & Quality Assurance

Report

9. Name of village & GP: -

10. Name of Work: -

11. Estimated Cost (As per Sanction) Sanction Year-----

12. Date of Start

13. Date of checking/Evaluation

14. Present physical status of work

15. Review of the Planning process/Pre-construction activity

| S.No. | Particulars | Present Status |
|-------|---------------------------------|----------------|
| (i) | Layout given by | |
| (ii) | Availability of AS/FS&TSwith GP | |
| (iii) | Funds availability | |
| (iv) | Availability of material | |

16. Site selection

9. Records

| S. No. | Particulars | Available (Y/N) | Maintained regularly (Y/N) |
|--------|--------------------------|-----------------|----------------------------|
| (i) | Drawings | | |
| (ii) | Estimates | | |
| (iii) | Material stock Register | | |
| (iv) | Work Inspection Register | | |
| (v) | Work File | | |
| (vi) | Muster roll(if required) | | |

10. Materials

| S.No. | Particulars | Quality satisfactory (Y/N) | Remarks |
|-------|---------------------|----------------------------|---------|
| (i) | Interlocking blocks | | |
| (ii) | Sand | | |
| (iv) | Edge block | | |
| (vii) | Other | | |

11. Execution

As per departmental order dated 24 January 2014 which lays guidelines for execution of interlocking block pavement construction

(B)Quality of Material

Field Tests

Lab Tests
(Lab test report to be enclosed when received)

Action taken for assuring the quality

Remarks to be noted for compliance :-

Received

EP

JEn/ Aen
Block-----

Note:- For culverts & anicuts Reporting formats shall be developed as per appropriate stages.

Annexture-2

District -----

PROFORMA - ATR

ACTION TAKEN STATEMENT ON THE REPORTS OF THIRD PARTY EVALUATOR(TPE)

Name of
EP.....

Month :

Date of
Inspection :

Block

G.P.

| S.No . | Name of Work | Report on which action is required | Action Taken | Whether Action is Complete (Yes/No) | If No in col. 5 Specify the reason and Date when the action will be completed | Remarks |
|-----------|-----------------|--|-----------------|--|--|---------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | Submitted by Aen |

Annexure-3

Field & Lab test

For Foundation Soil Safe Bearing Capacity Test

For Grit

- 1. Impact value**
- 2. Water absorption test**

For PCC/RCC

- 1. Workability test (Slump test)**
- 2. Compressive strength test PCC 1:3:6/1:4:8**
- 3. Compressive strength test RCC 1:1:2/1:1.5:3**
- 4. Rebound hammer test RCC**

For Cement Mortar

- 1. Compressive strength test CM 1:4/1:6/1:8**

For Road

- 1. Compressive strength test**
- 2. Core cutter test**

Part 2. Documents to be submitted by interested parties in support of their offer (whichever is applicable)

- 1. Offer of service (Annexure-4)**
- 2. Education Qualification certificate**
- 3. Work experience certificate**
- 4. Retirement order copy**
- 5. Service Tax Registration copy**
- 6. Professional body affiliation, if any.**
- 7. PAN card copy**
- 8. Income tax returns of last 3 financial years**
- 9. Service tax returns of last 3 financial years**
- 10. C.A. audit Report of last financial year**

Signature

Date:-

Place:-

**(Name----)
Name of Agency---
Address**

Offer of service

**To,
Joint Secretary (Admn),
Rural Development Department,
North west Building,
Government secretariat,
Jaipur.**

Sub:- Offer in response to EoI Dated 10-11-2014 for empanelment as Quality evaluator.

Ref:- Your EoI No F27(41)RD-5/GKN/QC/2014-15 Dated 10-11-2014

Sir,

I hereby submit my offer for services for quality evaluation panel empanelment to RD& PR department Jaipur.I have gone through expression of interest referred above & hereby give my consent for empanelment as quality evaluator as individual/ authorised representative of agency. My particulars are as follows:-

1. General Particulars

(i)Name of Retired person/Agency -----

(ii) Name of authorised person, in case of agency-----

(iii) Address for correspondence-----

(iv) Email-----

(v) Phone No(O)----- (R)-----Mobile No-----

(vi) Pan No-----

(vii) Service Tax Registration No & Date----- (Agency only)

2. **Details of Educational qualification (pl. mention if Retired/employed) of self/employed persons**
3. **Work experience (Deptt of retired engineer, post held at retirement & brief bio data related with works executed for retired engineer & work carried out by agency of similar nature & civil work related experiences ,similar government work experience with work order etc. for agency)**
4. **District of preference, if any**
5. **Any other information**

Enclosed:- Total attached documents as per list Nos-----

I, herby, declare solemnly that all informations provided above are authentic & I shall be held responsible for concealing any vital fact/providing wrong information which might have an adverse impact on functioning & professional conduct related with my offer of services. I also declare that (i) I have not been barred/blacklisted by any government agency for whatsoever reasons (ii) There is no inquiry pending against me for which I am in receipt of any notice etc till date. or if there is any, then I am furnishing details of same herewith (strike out whichever is not applicable).

Date:-

Place:-

Signature

(Name----)

Name of Agency---

Address