# Village Action Plan (VAP)

To identify all water related activities which helps in improving 'ease of living' of village community.
(To be prepared by GP and/ or its sub-committee, i.e. VWSC/ Paani Samiti/ User Group etc. and to be approved in *Gram Sabha* before submitting to DWSM. ISA is to provide handhold support)

**1.** Date of preparation:_____12-09-2021_____

Date of approval in *Gram Sabha*:_____ 14-09-2021_____

Date submitted to DWSM:_____

**2.** Village name: _____**Kalyanpur**___

GP name: _____Kalyanpur_____

Block name: _____Fatehabad_____

District name: _____Agra_____

State name: _____Uttar Pradesh_____

Village census code: _____125106_____
(No. of habitations and habitation names, if applicable) No_1 _Kalyanpur

**I. GP Resolution**

**3. Aspiration of village community:** FHTC to 334_number of rural households by year _2022 __ with water supply in adequate quantity of _55__ lpcd of prescribed quality* on a regular basis, i.e. __08___ no. of hours every day along with water supply to _03_ no. of cattle troughs and _ 03_ no. of washing/ bathing blocks.

We, the village community, take the responsibility to own, manage, operate and maintain our in-village water supply
Infrastructure. We will respect and protect our water bodies and will not contaminate them. We will manage our Greywater and save our fresh water.
It is resolved to pay 10 % of capital cost, calculated share of O&M cost and contribute in managing water supply system.
* Water quality certificate to be issued by PHED/ RWS Dept.

**II. Gram Panchayat and/ or its sub-committee, i.e VWSC/ Paani Samiti/ User Group etc. details**

**4.** Which committee will lead the planning, implementation, management, O&M of water supply scheme in village? (GP and/ or its sub-committee): _____Sub Committee_____

What is the committee called: _____**V**illage **W**ater & **S**anitation **C**ommittee___Kalyanpur___(**VWSC**)____

Chairperson name: _____Mr. Subhash Varma _____

Gender: _____Male_____

Age: _____33_Years_____

**5.**

| Member Name | Gender | Age |
|---|---|---|
| | | |
| **"as Enclosed"** | | |
| | | |

## Details of Skilled Manpower for PWS/ Training

| S.No. | Name | Trade | Contact No. |
|---|---|---|---|
| 1 | Keshav Dev | Electrician | 9761335280 |
| 2 | Sarvesh Kumar | Carpenter | 9058247774 |
| 3 | Jogendra Singh | Pump Operator | 8057806355 |
| 4 | Santosh | Mason | 9528690931 |
| 5 | Jeetendra | Plumber | 9808219791 |

**III. General details**

**6.**

| As per 2011 Census | | As per current Panchayat / Anganwari record (2021) | |
|---|---|---|---|
| **Population** | 1992 | **Population** | 2211 |
| **No. of HHs** | 304 | **No. of HHs** | 334 |
| **No. of Women** | 946 | **No. of Women** | 1050 |
| **No. of Men** | 1046 | **No. of Men** | 1161 |
| **No. of Children** | 422 | **No. of Children** | 464 |
| **No. of FHTCs** | 0 | **No. of FHTCs** | 0 |
| | | | |

| | SC | ST | Gen | Total |
|---|---|---|---|---|
| **Kalyanpur** | 201 | 0 | 2010 | 2211 |

**7. Population projection:** (Present Requirement = 121.60 KLD)

Intermediate stage -20 years from date (18% increase over present population): 143.48 Kilo Litre/ Day (KLD)

Ultimate stage - 30 years from date (32% increase over present population): 160.51 Kilo Litre/ Day (KLD)

**8.** Current cattle population (Animal husbandry records):

| | Cow / Cattle | Buffalo | Sheep | Goat | Pig | G. Total |
|---|---|---|---|---|---|---|
| **Nos.** | 808 | 1050 | 0 | 204 | 88 | 2150 |
| **Water Requirement (LPCD)** | 65 | 65 | 10 | 10 | 10 | |
| **Total water Requirement** | 52520 | 68250 | 0 | 2040 | 880 | 123.69 |

(LPCD – Litre per capita per day )

**9.** Agricultural cropping pattern:-

| Major Crops | Kharif | Rabi |
|---|---|---|
| **Sugarcane** | Paddy (Dhaan) | Wheat |
| **Paddy (Dhaan)** | Maize (Makka) | Mustard |
| **Maize (Makka)** | Cotton (Kapaas) | Gram (Chana) |
| **Cotton (Kapaas)** | Bajara | Arhar |
| **Wheat** | Jwaar | Moong |
| **Mustard** | Seasonal Vegetables | Masoor |

| | | |
|---|---|---|
| **Bajara /Jwaar** | | Urad |
| **Gram (Chana)** | | |
| **Arhar / Moong / Masoor / Urad** | | |
| **Others** | | Seasonal Vegetables |
| | | |

**10.** Average district rainfall (in mm): _____800 mm (Annual) _____

**11.** Topography (plain, slope, etc.): _____Plain_____

**IV. Situation Analysis**

**12.** Is resource mapping done? (Y/N)
(attach the map with VAP) _____Yes, Enclosed_____

**13.** Is social mapping done? (Y/N)
(attach the map with VAP) _____ Yes, Enclosed _____

**14. Water Bodies.**

| S.No. | Public Institutions Name | Is FHTC available ? (Y/N) | Is Rain Water Harvesting Structure available ? (Y/N) | Soak Pits available ? (Y/N) |
|---|---|---|---|---|
| **1** | **School** | No | Yes | Yes |
| **2** | **Anganwari** | No | No | No |
| **3** | **Health Centre** | No | No | No |
| **4** | **GP Building** | No | No | No |
| **5** | **Other** | No | No | No |

**Total daily requirement of water**

**15.** Present requirement of water ___2211*55 LPCD = 121.60 KLD

Present requirement of water for cattle: 123.69 KLPD

No. of cattle troughs required: 05

Requirement of water for intermediate stage – ): 143.48 KLPD (20 Years)

Requirement of water for ultimate stage - 160.51 KLD (30 Years)

**History of water supply**

**16.** History of water supply/ availability in the village, drought/ scarcity/ cyclone/ flood or any other natural calamity pattern, general trend of water availability: --NO

**17.** Any history of emergency arrangements like water supply through tanks, trains, etc.: NO
--

**18.** History of part work related to water supply, source strengthening, NO
--

**19.** History of water-borne diseases: --NO

**Water quality**

**20.** Dates identified for WQ surveillance with community using FTKs/ vials: ___5$^{th}$ & 20$^{th}$ of every month__

**21.** Dates identified for sanitary inspection: _____10$^{th}$ of every month_____

**22.** Water quality of existing/ proposed drinking water source(s) used in the water supply scheme :source name (Location): Kalyanpur .

| Parameter | Method | Result |
|---|---|---|
| **Turbidity** | Visual Comparison | 0.84 |
| **pH** | Strip Colour Comparison | 7.0 |
| **Total Hardness** | Titrimetric Method | 204 |
| **Total Alkalinity** | Titrimetric Method | 240 |
| **Chloride** | Titrimetric Method | 181 |
| **Ammonia** | Visual Colour Comparison | - |
| **Phosphate** | Visual Colour Comparison | - |
| **Residual Chlorine** | Visual Colour Comparison | - |
| **Iron** | Visual Colour Comparison | - |
| **Nitrate** | Visual Colour Comparison | - |
| **Flouride** | Visual Colour Comparison | 1.24 |

**Washing/ bathing blocks**

**23.** Some poor areas in the village might not have sufficient space to have a washing space and/ or a tap connection. Number of such areas identified to have a washing/ bathing block: ___05_____

| Location Name | No. of Households | Population |
|---|---|---|
| Kalyanpur | 158 | 865 |
| | | |

**Source Sustainability**

**24.** In case of groundwater source, is there a bore well recharge structure? (Y/N)

No

**25.** List of existing water bodies in the village that need to be rejuvenated/ maintained:

- Water tank
- Renovation of existing water pond in the village.

**Greywater management**

Grey water management can be achieved with the help of disposal systems like Soak pit, Drain /Gutter etc.

**26.** Greywater generated (65% of water supply): 200.64 KLD
No. of HHs with individual soak pits: _____
No. of HHs that need individual soak pits: ___101
No. of community soak pits needed:: ____09___
Is there a need for waste stabilization pond? (Y/N): __Yes__
If Yes, location identified for it: _Kalyanpur __
If No, what other greywater management measures to be adopted?

**V. Water Supply Scheme**

**27.** FHTCs will be provided under which of the following category:

- Retrofitting of ongoing schemes taken up under erstwhile NRDWP for the last mile connectivity
- Retrofitting of completed RWS to make it JJM compliant.
- SVS in villages having adequate groundwater/ spring water/ local or surface water source of prescribed quality.
- SVS in villages having adequate groundwater that needs treatment.
- MVS with water grids/ regional water supply schemes.
- Mini solar power based PWS in isolated/ tribal hamlets.

**28.** Water source identified: _____
Proposed water supply scheme based on techno-economic and socio-economic appraisal: _____
Land identified for the scheme: _____
Date by when land will be handed over to PHED/ RWS Dept.: _____
cost of scheme:_____

GoI share:_____
State share: _____
Community share: _____
Individual household contribution: _____
Annual O&M charges: _____Individual household monthly water tariff/ user charge:_____
If any remote habitations, PWS identified:_____
(After approval of DPR the Point No. 28 will be filled)

**VI. Convergence**

(The following table indicates the possible schemes under which activity/ fund convergence is possible. Village community is to send proposals to the identified schemes as per village requirements)

| Name of the Scheme | Central / State Government | Possible activities that can be taken up | Funds Proposed |
|---|---|---|---|
| Fourteenth Finance Commission | GP | Greywater management, drainage systems, etc.200 mitr. ., Rain water Harvesting in GP Institutions | 120000.00<br><br>570000.00 |
| Swachh Bharat Mission - Grameen(SBM-G) | Department of Drinking Water and Sanitation, M/O Jal Shakti | Greywater management – soak pits (individual/ community), waste stabilization ponds, etc. | 1200000.00<br><br>125000.00 |
| MGNREGS | M/O Rural Development | All water conservation activities under Natural Resource Management (NRM) component | 22500.00<br><br>600000.00 |
| Integrated Watershed Management Programme | D/O Land Resources | Watershed Management/ RWH/ Artificial Recharge, creation/ Augmentation of water bodies, etc. | |
| Repair, Renovation and Restoration of water bodies | D/O Water Resources, River Development and Ganga RejuvenationLand Resources | Restoration of Large Water Bodies | |
| Rastriya Krishi Vikas Yojana (RKVY) | M/O Agriculture, Cooperation and farmers welfare | Watershed related works | |
| Pradhan Mantri Krishi Sinchaee Yojana (PMKSY) | M/O Agriculture, Cooperation and farmers welfare | Provision of micro irrigation for various water intensive crops to reduce drawl of water from aquifers. | |
| Compensatory Afforestation fund management and planning authority. | M/O Environment, Forest and Climate change. | Afforestation, regeneration of forest ecosystem, watershed development, etc. | |
| Pradhan Mantri Kaushal Vikas Yojana (PMKVY) | M/O Skill Development & Entrepreneurship | Skill Development, training etc. for human resources required for RWS schemes. | |
| Samagra Shiksha | M/O HRD | Provision of drinking water supply in schools. | |
| Aspirational districts programme | NITI Aayog | Water conservation activities taken up under discretionary funds with district collector | |
| District Mineral Development Funds | State | Water conservation activities on large scale | |
| MPLAD | Ministry of Statistics and Programme Implementation (MoSPI) | In- Village Infrastructure | |
| MLALAD | State | In- Village Infrastructure | |
| Grants under article 275 (1) of the constitution/ Tribal sub scheme | Ministry of Tribal Affairs and State | In- Village Infrastructure | |