AYUSHMAN BHARAT DIGITAL MISSION

Master Data (HPR) via APIs

Document Version No: 1

Date: 10th Jan 2024

Table of Contents

Terminology:

ABDM - Ayushman Bharat Digital Mission

Authorization token - To obtain, the HRP can call 'sessions API' along with the receivedClientID and Client Secret. Same must be used in header for other APIs.

Client ID - Post internal approval, Integrator will receive Client ID to access ABDM APIs

Client Secret - Post internal approval, Integrator will receive Client Secret to accessABDM APIs

HPRID – Healthcare Professional ID

Sandbox - Sandbox is a framework that will allow technologies or products to be tested inthe contained environment in compliance with ABDM standards.

HPR–Healthcare Professional Registry

Master API

Below document explains how to fetch master data for register healthcare professionals in HPR systems.

List of Apis for Health Professional Registration to fetch master data from the HPR

1	HPRID Gateway Token
2	System of Medicine
3	Medical Councils
4	Languages
5	Universities
6	Courses
7	Colleges
8	Country
9	States
10	Districts
11	Sub Districts
12	Nurse Affiliated boards

1. HPRID Gateway Token

Authentication Token need to be generated using client ID and client Secret.
To obtain clientId and clientSecret, please register on Sandbox Application

Request type	POST
URL	https://live.abdm.gov.in/gateway/v0.5/sessions
Request Body/Payload	``` { "clientId": "xxxxxxx", "clientSecret": "5bbbaxxx-3xxx-4xx-a6xx-5bc552319xxx", "grantType": "client_credentials" } ```

Response: Access Token will be sent in API response.

Sample Response:

```
{
    "accessToken": "eyJhbGciOiJSUzI1NiIsInR5cCIgOiAiSldUIiwia2lkIiA6ICI1WVpwM043V
lFCdEE1cDZwcktkXYyV0NaTTZVVlFVLWZTcEZJb0tiQU9ZIn0.eyJleHAiOjE2NjM2MDE5NDEsImlhdC
I6MTY2MzU2NTk0MSwianRpIjoiNGFmMzYzMxxxxxx00YjNkLWJjZjQtYzQ5ZjI4NTgxZmE1IiwiaXNzIj
oiaHR0cHM6Ly9wcmVwcm9kLm5kaG0uZ292LmluL2F1dGgvcmVhbG1zL2NlbnRyYWwtcmVnaXN0cnkiLCJ
hdWQiOiJhY2NvdW50Iiwic3ViIjoiZmUzZTEwMDctNjZlMi00OTkzLWFmYTktYjMyYjM1NDk1NDIwIiwi
dHlwIjoiQmVhcmVyIiwiYXpwIjoiaHBfaWQiLCJzZXNzaW9uX3N0YXRlIjoiMDRhMjE3ZGYtMTQzZi00Y
zJmLThkYmUtYjE2NjllOTJlMmI2IiwiYWNyIjoiMSIsImFsbG93ZWQtb3JpZ2lucyI6WyJodHRwOi8vbG
9jYWxob3N0OjkwMDciXSwicmVhbF9hY2Nlc3Ijp7InJvbGVzIjpbIm9mZmxpbmVfYWNjZXNzIiwiaGV
hbHRoSWQiLCJocF9pZCJdfSwicmVzb3VyY2VfYWNjxxxxjp7ImFjY291bnQiOnsicm9sZXMiOlsibWFuY
WdlLWFjY291bnQiLCJtYW5hZ2UtYWNjb3VudC1saW5rcyIsInZpZXctHJvZmlsZSJdfSwiaHBfaWQiOn
```

```
sicm9sZXMiOlsidW1hX3Byb3RlY3Rpb24iXX19LCJzY29wZSI6Im9wZW5pZCBwcm9maWxlIGVtYWlsIiw
iY2xpZW50SWQiOiJocF9pZCIsImVtYWlsX3ZlcmlmaWVkIjpmYWxzZSwiY2xpZW50SG9zdCI6IjEwLjIz
My42Ny42OCIsInByZWZlcnJlZF91c2VybmFtZSI6InNlcnZpY2UtYWNjb3VudC1ocF9pZCIsImNsaWVud
EFkZHJlc3MiOiIxMC4yMzMuNjcuNjgifQ.fdPCWJk6Taspuz-
pC5fiRG4rIULok6YAd8_89HcJSXBPJnjbR4hPPm3KO6pN-
v7nN1kixhbolkjQgZLiRxvmpn_3GkIn2Vi5_M8gdOGVpsv1BG3gau1ON-
XsgiT_zeIRwkmvOqsVg2AoZyUIadVCUWkZcDvittDsC70kEkljaebKy87IE7xM-
ml6MdvwRtPZ2S5HOY35MGVzjlXJRCr-j-
9Ir76ZhZwmunIUyODZ0sIRFEyleftsUiMFH8P_FLpzsd5rfLey-
IAw5ZA3bpUsNguxVSABKdcZqO6VOffS4En9BJlrYM3O4Kp7xxxxSZPzP1YyX0Zos5Nv85qgj5Qj9aw",
    "expiresIn": 36000,
    "refreshExpiresIn": 1800,
    "refreshToken": "eyJhbGciOiJIUzI1NiIsInR5cCIgOiAiSldUIiwia2lkIiA6ICJmYTdjYWNh
Ni02MzhhLTRlZmMtOGZhMi0yZDNlOWMyYzg4MWYifQ.eyJleHAixxxxx2NjM1Njc3NDEsImlhdCI6MTY2
MzU2NTk0MSwianRpIjoiZDkyZjc0MjctOWYwYS00NjAyLWE5NGEtZDc2ZmZlNjJmOGFmIiwiaXNzIjoia
HR0cHM6Ly9wcmVwcm9kLm5kaG0uZ292Lmlxxxx1dGGgvcmVhbG1zL2NlbnRyYWwtcmVnaXN0cnkiLCJhdW
QiOiJodHRwczovL3ByZXByb2QubmRoS5nb3YuaW4vYXV0aC9yZWFsbXvY2VudHJhbC1yZWdpc3RyeSI
sInN1YiI6ImZlM2UxMDA3LTY2ZTItNDk5My1hZmE5LWIzMmIzNTQ5NTQyMCIsInR5cCI6IlJlZnJlc2gi
LCJhenAiOiJocF9pZCIsInNlc3Npb25fc3RhdGUiOiIwNGEyMTdkZi0xNDNmLTRjMmYtOGRiZS1iMTY2O
WU5MmUyYjYiLCJzY29wZSI6Im9wZW5pZCBwcm9maWxlxxxxxtYWlsIn0.2_ue5Oz_4F55Oj_rNW-
ARrMpY1I003spv6CwjBR8J7M",
    "tokenType": "bearer"
}
```

2. System of medicine

This API will be used to fetch a list of system of medicines to be used in HPR system.

Add the accessToken received from the **HPRID Gateway Token** API for authorization.

Note: Append tokenType Bearer before the access token, give a space and then add your access token as shown below.

Key: Authorization
Value: Bearer<Leave Space><Your Access Token goes here>

Request type	POST
URL	https://hpr.abdm.gov.in/apis/v1/masters/system-of-medicines

Sample Response

```json
{
    "systemofMedicineList": [
        {
            "identifier": 4,
            "name": "Ayurveda",
            "code": "ayurveda"
        },
        {
            "identifier": 2,
            "name": "Dentistry",
            "code": "dentist"
        },
        {
            "identifier": 3,
            "name": "Homoeopathy",
            "code": "homeopathy"
        },
        {
            "identifier": 1,
            "name": "Modern Medicine",
            "code": "modern_medicine"
        },
        {
            "identifier": 13,
            "name": "Pharmacist",
            "code": "pharma"
        },
        {
            "identifier": 8,
            "name": "Registered Auxiliary Nurse Midwife(RANM)",
            "code": "ranm"
        },
        {
            "identifier": 11,
            "name": "Registered Lady Health Visitor  (RLHV)",
            "code": "rlhv"
        },
        {
            "identifier": 9,
            "name": "registered nurse (RN)",
            "code": "rn"
        },
        {
            "identifier": 10,
            "name": "Registered Nurse and Registered Midwife (RN & RM)",
            "code": "rnrm"
        },
        {
```

```
            "identifier": 12,
            "name": "Registered Pharmacist",
            "code": "rp"
        },
        {

            "identifier": 6,
            "name": "Siddha",
            "code": "siddha"
        },
        {

            "identifier": 7,
            "name": "Sowa-Rigpa",
            "code": "sowa_rigpa"
        },
        {

            "identifier": 5,
            "name": "Unani",
            "code": "unani"
        }
    ],
    "Message": null
}
```

No request parameters will be passed because this response will be same if no other medical system added into the HPR System.

3. Medical Council

This API will fetch a list of council registered against any system of medicine.

Add the accessToken received from the **HPRID Gateway Token** API for authorization.

Note: Append tokenType Bearer before the access token, give a space and then add your access token as shown below.

Key: Authorization
Value: Bearer<Leave Space><Your Access Token goes here>

Request type	POST
URL	https://hpr.abdm.gov.in/apis/v1/masters/medical-councils

Payload	```
	{
	    "identifier":61,
	    "name":"Andhra Pradesh Board for Indian Medicine and Homoeopathy",
	    "systemOfMedicine":"3"
	}
	``

In the above payload user can pass any parameter or can pass any parameters from response to filter data from HPR system.

Sample Response

```
{
    "medicalCouncilList": [
        {
            "identifier": 61,
            "name": "Andhra Pradesh Board for Indian Medicine and Homoeopathy",
            "systemOfMedicine": 3
        }
    ],
    "Message": null
}
```

4. Language

APIs will be used for fetching languages.

Note: Append tokenType Bearer before the access token, give a space and then add your access token as shown below.

Key: Authorization
Value: Bearer<Leave Space><Your Access Token goes here

Request type	POST
URL	https://hpr.abdm.gov.in/apis/v1/masters/languages

Payload	{
	    "name":"english"
	}

If no request parameters passed in the above payload, then this API will fetch list of all languages.

Sample Response

```
{
    "piLanguagesList": [
        {
            "identifier": 1,
            "name": "English"
        }
    ],
    "Message": null
}
```

5. University

API will be used to fetch list of university exist in the HPR.

Note: Append tokenType Bearer before the access token, give a space and then add your access token as shown below.

Key: Authorization
Value: Bearer<Leave Space><Your Access Token goes here>

Request type	POST
URL	https://hpr.abdm.gov.in/apis/v1/masters/universites

Payload	{
	    "name":"Academy of Hospital Administration, Noida"
	}

Note – User can pass any parameter from the payload to filter data from the APIs.

Sample Response

```
{
    "universitesList": [
        {
            "identifier": 362,
            "name": "Academy of Hospital Administration, Noida",
            "collegeName": "Academy of Hospital Administration",
            "collegeId": 1838
        }
    ],
    "Message": null
}
```

6. Colleges

API will be used to fetch list of colleges exist in the HPR.

Note: Append tokenType Bearer before the access token, give a space and then add your access token as shown below.

Key: Authorization
Value: Bearer<Leave Space><Your Access Token goes here>

Request type	POST
URL	https://hpr.abdm.gov.in/apis/v1/masters/colleges

Payload	{
	    "identifier":"1838"
	}

In payload user can pass any parameter or multiple parameters exist in the response.

Sample Response

```
{
    "collegesList": [
        {
            "identifier": 1838,
            "name": "Academy of Hospital Administration",
            "systemOfMedicine": 1,
            "stateName": "Uttar pradesh",
            "stateISO": "9"
        }
    ],
    "Message": null
}
```

7. Courses

API will be used to fetch list of courses exist in the HPR.

Note: Append tokenType Bearer before the access token, give a space and then add your access token as shown below.

Key: Authorization
Value: Bearer<Leave Space><Your Access Token goes here>

Request type	POST
URL	https://hpr.abdm.gov.in/apis/v1/masters/courses
Payload	```{
"systemOfMedicine":1,
"hprType":"doctor",
"name": "mbbs"
}```

In payload user can pass any parameter or multiple parameters exist in the response.

Sample Response

```
{
    "coursesList": [
        {
            "identifier": 4060,
            "name": "MBBS - Bachelor of Medicine and Bachelor of Surgery",
            "systemOfMedicine": 1,
            "hprType": "doctor"
        }
    ],
    "Message": null
}
```

8. Countries

API will be used to fetch countries list.

Note: Append tokenType Bearer before the access token, give a space and then add your access token as shown below.

Key: Authorization
Value: Bearer<Leave Space><Your Access Token goes here>

Request type	POST
URL	https://hpr.abdm.gov.in/apis/v1/masters/countries

Payload	{
	    "name":"India"
	}

Note – You can filter data from this API based on **name** and **identifier** only.

Sample Response

```
{
    "countriesList": [
        {
            "identifier": 86,
            "name": "British Indian Ocean Territory",
            "alpha_2_code": "IO",
            "alpha_3_code": "IOT",
            "nationality": "BIOT"
        },
        {
            "identifier": 356,
            "name": "India",
            "alpha_2_code": "IN",
            "alpha_3_code": "IND",
            "nationality": "Indian"
        }
    ],
    "Message": null
}
```

9. States

This API fetch list of all states.

Note: Append tokenType Bearer before the access token, give a space and then add your access token as shown below.

Key: Authorization
Value: Bearer<Leave Space><Your Access Token goes here>

Request type	POST
URL	https://hpr.abdm.gov.in/apis/v1/masters/states

Payload	```
	{
	    "name":"Andhra Pradesh"
	}
	``

Note: You can filter data from this APIs based on any parameter received in payload.

Sample Response
```
{
    "statesList": [
        {
            "identifier": 2,
            "name": "ANDHRA PRADESH",
            "stateISO": "28",
            "country": "India"
        }
    ],
    "Message": null
}
```

10.   District

API fetch list of districts exist in the HPR.

Note: Append tokenType Bearer before the access token, give a space and then add your access token as shown below.

Key: Authorization
Value: Bearer<Leave Space><Your Access Token goes here>

Request type	POST
URL	https://hpr.abdm.gov.in/apis/v1/masters/district
Payload	```{ "state":"LAKSHADWEEP" }```

Note: You can filter data from any given payload parameters.

Sample Response

```
{
    "districtsList": [
        {
            "identifier": 312,
            "name": "LAKSHADWEEP DISTRICT",
            "districtISO": "553",
            "state": "LAKSHADWEEP"
        }
    ],
    "Message": null
}
```

11. Sub Districts

Fetch list of sub districts exist in the HPR.

Note: Append tokenType Bearer before the access token, give a space and then add your access token as shown below.

Key: Authorization
Value: Bearer<Leave Space><Your Access Token goes here>

Request type	POST
URL	https://hpr.abdm.gov.in/apis/v1/masters/sub-districts

Payload	{
	    "state":"LAKSHADWEEP"
	}

Note: You can filter data from any given payload parameters.

Sample Response

```
{
    "districtsList": [
        {
            "identifier": 312,
            "name": "LAKSHADWEEP DISTRICT",
            "districtISO": "553",
            "state": "LAKSHADWEEP"
        }
    ],
    "Message": null
}
```

12. Nurse Affiliated Boards

Fetch list of nurse affiliated boards / universities by using this Apis.

Note: Append tokenType Bearer before the access token, give a space and then add your access token as shown below.

Key: Authorization
Value: Bearer<Leave Space><Your Access Token goes here>

Request type	POST
URL	https://hpr.abdm.gov.in/apis/v1/masters/affiliated-board

Payload	{
	    "identifier": 1
	}

Note: You can filter data from any given payload parameters

Sample Response

```
{
    "nurseAffiliatedBoard": [
        {
            "identifier": 1,
            "name": "Central Board Of Secondary Education (CBSE)",
            "state": null
        }
    ],
    "Message": null
}
```